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NORTH AMERICAN SHORTWAVE ASSOCIATION

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PRESENTING A PROGRAM ON THE SOLOMON
ISLANDS BROADCASTING CORPORATION

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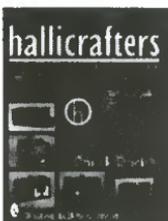
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By **C. Dachis**. A marvellous book with over 1000 big, sharp photos of radio receivers, transmitters, speakers, early TV sets and accessories from the famous Hallicrafters label. Technical descriptions of every known model with dates, new & current prices. ©1996 *Schiffer*. 225 p.

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PASSPORT TO WEB RADIO

By **L. Magne**. Here is a new way to hear the world... on your PC! Includes Introduction to Web Radio and Complete Idiot's Guide to Getting Started. Find the ultimate in sports coverage, along with every kind of music from hundreds of AM, FM and SW stations throughout the world. ©1997 *IBS*. 144 p.

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ALL ABOUT HAM RADIO

By **Harry Helms**. Have you ever thought of getting a ham radio licence, but didn't know where to start? Here is an exciting new introduction to ham radio written for the 90's. It is written in a direct, humorous way without a lot of math and techno-babble. Perfect for the potential ham without a technical background. ©1992 291 p.

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THE CONFIDENTIAL FREQUENCY LIST

By **Geoff Halligey**. This long respected utility directory is bigger than ever with coverage of aero, CW, FAX, military, time, RTTY and maritime entries. Covers 1605-30000 kHz organized by frequency plus a new call sign cross reference. Spiral-bound 10th Edition. ©1997 *PW Publ.* 450 p.

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Order #3339.....\$22.95 \$19.90

FM ATLAS AND STATION DIRECTORY

By **Bruce Elving**. This unique book covers FM broadcast stations in North America. Maps are included for each state (and Canadian province) showing station call and location. It also includes station listings by location and frequency. ©1997 Seventeenth Edition. *FM Atlas* 224 p.

Order #2649.....\$46.95 \$14.90

Previous Sixteenth Edition at a great closeout price. 224 p. ©1995.
Order #0983.....\$45.95 \$8.90

NACWA Notes

Richard A. D'Angelo

2216 Burkey Drive

Wyomissing, PA 19610

GEnie: R.DANGELO3

Internet: rdangelo3@genie.com

What's Happening Around The Worldwide Club Scene? After serving as Chairman of the current Management Committee of the South African DX Club, **Francois Steyn** announced in his July HQ Report column that he is stepping down from that position after a two-year term. If you are interested in keeping up with the DX scene from Africa, you may want to check out their bulletin which is available for 5 International Reply Coupons or US\$4.00 for a sample. Send those requests to SADX Club, P. O. Box 18008, Hillbrow, 2028, South Africa. The New Zealand DX Radio League continues a debate about QSL's and the Internet. It seems that in some small circles, listening to shortwave stations over the Internet is becoming a trend in the hobby. Most members feel it has nothing to do with the hobby. You may want to check out their bulletin for a South Pacific point of view: New Zealand Radio DX League, P. O. Box 3011, Auckland, New Zealand.

Meanwhile, in Australia member **Bob Padula** provides an update from downunder: "I am pleased to announce that the AUSTRALIAN DXING FEDERATION has been formed, as an outcome of the DXing-1997 Conference held here in Melbourne on 10 August 1997. Foundation Clubs of the ADXF are: Australian Radio DX Club Incorporated (ARDXC), South Pacific Union of DXers Incorporated (SPUD) and the International Correspondence DX Group (ICDX). A Steering Committee has been established, consisting of representatives of the above Clubs, to formulate the overall strategy and detailed Rules of ADXF. A principal objective is to publish a professional hard-copy journal monthly, to be known as the "Australian DX Listener"

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave, medium wave and longwave 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. Contributions are also accepted via the Internet Relay Chat (IRC) channel #swl while the net is in progress. Net Controls Dave Kirby N1DK, Hausie WB4JSP, and Bob Curtis W1EXZ host an always lively gang of DX monitors. (Best heard in the eastern half of NAm) Net info is also available at <http://www.trsc.com/swl_net.htm>.

(ADXL) which would be forwarded to all members of the Clubs comprising the Federation. Until formal adoption of the Rules, the Electronic DX Press Australia will continue to facilitate the progression of the new Federation. As EDXP is not a "Club", it would not be a member of the Federation, unless the Federation's Rules provided for this. A meeting of the Steering Committee is to be held within a month."

Our friends at the Danish Shortwave Club International have released their current editions of the Tropical Band Survey ("TBS") and Clandestine Station List ("CSL"). Edited by Anker Petersen, the 25th edition of the TBS covers all broadcasting stations operating in the range of 2000-5800 kHz. The CSL is edited by **Finn Krone**; it covers broadcasting activities of stations of a political nature. Both are highly recommended. I

Our Motto is - "Unity and Friendship"

Calendar Of Events

- Sep 19 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- Sep 19 Meeting. Boston Area NASWA Chapter.** The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: 74007.3434@compuserve.com. Check the BADX Web Page: <<http://www.grove.net/~badx/>>.
- Sep 20 Meeting. The Miami Valley DX Club** (all band orientation) meets at 1:00 PM. For more information plus this months meeting location contact Dave Hammer at 614-471-9973 or write to MVDXC, Box 292132, Columbus, OH 43229-8132.
- Sep'97 Contest. 1997 Wavescan DX Contest.** All reception reports dated during the month will be verified with "The World's Smallest QSL Card." Send a detailed list of five smallest QSL cards and reception report to 1997 Wavescan DX Contest, Box 29235, Indianapolis, IN 46229. Detailed announcement available for return postage.
- Oct 12 Meeting. The Tidewater SWL's** meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Oct'97 Contest. 1997 Adventist World Radio Contest.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1997 AWR Contest, c/o Dr. Adrian Peterson, Box 29235, Indianapolis, IN 46229.
- Feb'98 Convention. New Zealand Radio DX League** will hold its 50th anniversary convention sometime in February 1998. Exact dates and venue have not been established. Information from NRZDXL, P.O. Box 2956, Wellington, New Zealand. Further details and information will appear when received.
- Mar'98 Contest. 1998 North American DX Championships.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1998 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.
- Mar'98 Convention. The 11th Annual Winter SWL Festival** will be held at the Kulpsville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 13-15 March 1997. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts about 200 hobbyists each year.
- Apr'98 Convention. The 35th Annual International World Wide Continental DX Association (IWWCDXA)** will be held in Tahiti at the Charlie Loudenboomer Estate on April 1, 1998 from noon until midnight. Charlie will lecture continuously during this 12-hour period on a variety of boring subjects some of which may actually pertain to shortwave radio. Registration fee is a modest \$150.00 with an extra \$50.00 charge for the traditional hamburger helper banquet. More information is available from Charlie at <cl@sucker.com>.

Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: r.dangelo3@genie.com) or Ralph Brandi (Internet: ralph@mcs.com).

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Fred Kohlbrenner** (2641 South Shields Street, Philadelphia, PA 19142). He will forward them to the appropriate editor. Remember, Fred has now expanded his business to include QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: fkohl@ix.netcom.com.

anticipate a review of these publications appearing in Uncle Skip's Listeners Library column in the near future. The TBS and CSL are sold by the DSWCI, c/o Bent Nielsen, Egekrogen 14, DK 3500 Vaerloese, Denmark for US\$10.00 or 10 International Reply Coupons.

The Ontario DX Association announced that India BroadBase '97 (6th edition) is now available. It is produced in collaboration with **Manosij Guha** and the Universal DX League based in New Delhi, India. The aim of this publication is to promote a better understanding of the Indian broadcasting scene by providing the most accurate and comprehensive information available anywhere. IBB '97, a cover-bound edition comprising some 50 pages in an 8.5 x 11 format. The introductory and general information chapters contain much background information about the organization of the government broadcaster, All India Radio. India BroadBase is compiled and published by

volunteer staff of the ODXA and the UDXL who are interested in making this unique publication widely available to the short-wave hobby at minimum cost. Please order from Ontario DX Association, Box 161, Stn A, Willowdale, Ontario, Canada M2N 5S8. Remittances in Canadian or U.S. funds are acceptable for airmail delivery within North America @ \$9.00 (postpaid), or for other international destinations, pricing is @ \$10.00 U.S. funds (postpaid).

Summer is just about over but those summer doldrums hit big time last month. The 40-page Journal reflected all the membership contributions received last month. It's time to get active again! Also, it's time to get out to check those antenna connections and get ready for the DX season. Now, where did I put my Drake R-8?

That's it for this month. Enjoy this month's edition of the JOURNAL; it's another good one. 

Musings

This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email - r.dangelo3@genie.com

Sean M. Warner & Anna V. Chepikova <webmaster@rossiya.net>

The Moscow (Russian Federation) DX Club is interested in establishing contacts with any & all radio clubs for the purpose of information exchange. They publish an excellent DX newsletter, Moscow Informational DX Bulletin 6 times a year. Unfortunately, it is in Russian & it is only distributed by mail. I have been trying to work with MIDXB in putting together an English language newsletter for those that do not wish to begin studying Russian so that they are able to read the newsletter. MIDXB has a great staff that works hard to publish some very fresh news & information as well as helpful loggings. Would anyone be interested in an electronic version of this in English for a nominal yearly charge? In addition to getting some great information, you would be helping out some fellow SWLers/DXers in a country where our hobby has only recently not been a criminal offense (in other words, it is not easy to be a SWLer/DXer in Russia today). If you have any interest, or would like some more information regarding MIDXB & their associated club, you may e-mail (in the US) Sean Warner at webmaster@rossiya.net or (in the Russian Federation) Konstantin Gusev at gusev@vxitep.itep.ru.

 NASWA

Visit our club home page on the World Wide Web at <http://www.anarc.org/naswa/>

Robert A. Compton, 972 Valley Road, Mertztown, PA 19539-8822

I've been a NASWA member for more months than I can count, now, and look forward eagerly to each issue of the Journal. It's an excellent publication, and the only fault I can find is that I never can tell when to renew.

I'm 64, and not a serious shortwave listener. I started dialing around our family's floor-model Philco radio as a tiny tot in the late 1930's and 1940's, fascinated with the strange stuff coming in on those bands above the AM dial.

When I got into the Air Force in 1951, I was able to afford a shortwave radio of my own, a Hallicrafters S-38. During my college years, or just after them, in the early 1960's, I think, I scrounged for "the big one," a Hallicrafters SX-110. With the SX-110 came a beat frequency oscillator and the excitement of decoding an occasional SSB transmission. Flush with the elation of having an actual job and money to waste, I snatched up a used Zenith Trans-Oceanic (I think the Model G500) in the late 1960's. Now, with these analog radios, I never had much of an idea where I was tuned, and never could reliably go looking for the same station twice in a row.

The Trans-Oceanic was joined some years later by a NordMende GlobeTraveller, which I foolishly thought I was going to mount in my car. That never panned out, but I carried that radio around everywhere I went (usually listening to classical music on FM).

Sometime in the 1970's or 80's, I heard about the Sony 2010, and that made me "serious." Or so I thought. With the digital tuning, I could actually FIND stations in the WRTH. But, after a few years, the Sony's computer went to hell, and Sony told me the repair cost would be more than the radio itself had cost.

I bought a Sony Pro-80, and couldn't make it work no how. Uninterested in whether it was me or a defective radio, I returned it in exchange for a Grundig Satellite 500. But this wasn't a "serious" enough radio for a guy with my experience, so I saved up a few years back for a Kenwood R-5000.

Somewhere in this time line, a Sony ICF-7600A and an Icom R-1 appeared. The R-1 is an expensive joke, but I bought it with "found money" like an income tax refund, so it didn't hurt. I use the R-1 mostly for NOAA weather, our local MedEvac, television sound, and mental self-abuse when none of my other radios are near at hand. I have two theories about the R-1: one is that someday I will stick a good Condor antenna on it, and it will start picking up shortwave. The other is that someday I will sit down with the instruction book and really learn how to make it scan. I quickly got tired of picking up inane telephone conversations years ago, and today's ham operators seem not half as interesting to listen to as those of the 50's and 60's, so my goals in shortwave listening are usually finding foreign programs with some entertainment or educational value, or searching (unsuccessfully, I might add) for pirates. I don't find much of what I'm after, I think, because I spend too much time tuning during the day instead of staying up at night when reception might be better.

Keep up the good work.

Bob Montgomery <Rmonty3@aol.com>

As the correspondence editor of the NASWA Journal, I often get letters asking questions about the future of Shortwave. Should I throw out my radio gear? I caught a VOA, Communications World, program on 16 August, where Mr. Kim Elliott interviewed Mr. Jeff

White of WRMI, who attended a DX conference in Mexico. This is a gathering of DX'ers similar to our Winter Fest in Kulpsville. Mr. Elliot asked about the equipment used by the Mexican DX'ers and it is obvious that shortwave is here for a long time to come. Most are using receivers 30 to 40 years old. In a country where some of the DX'ers spent a month and half worth of income just for transportation to get to the conference, funds for satellite dishes and other exotic equipment is a mere dream. Some of the DX'ers were using boom boxes with a shortwave band and several use Zenith Transoceanic receivers from the 50's, which are very popular. I am sure Dr. DX is happy to know there may be an export market for his new book. (Ed. note: Jeff White's account of this meeting is available in this month's *Shortwave Center* column.) During the program it was noted by Mr. Elliott there has been a dramatic increase of DX'ers in the Asian area with many requests for QSLs. So it would appear that shortwave is alive and well. We in the US have been lured by the high technology and think the whole world has done the same thing. I think shortwave will be here but in a different manner as in the past. Most of the larger stations are doing relays of the programming to provide a clearer signal to the area the transmissions are intended. We as listeners must correspond to the stations and let them know we are in fact interested in the broadcasts they are providing. This will insure the future of shortwave.

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FRENDX: Twenty Five Years Ago...

The club mourned the passing of Executive Director Bill Eddings who died on August 23, 1972 after a long illness. Bill took over a struggling club in July 1963. He saw a struggling club grow and eventually specialize in shortwave broadcast beginning in August 1966. New members included Sam Barto; renewing members included Richard D'Angelo (who?), Kevin Murray, Mike Nikolich, Harold Sellers, Bill Whitacre, Gerry Dexter, and Don Jensen. Dexter and Jensen were one and two on the scoreboard with 205 and 203 countries heard and each having 200 countries verified. 172 members participated in the Scoreboard. It was announced that Al Sizer would be taking over the Shortwave Center editing chores in December; Dan Ferguson assumed the role as temporary editor and presented the 49 Meter Band Survey.

Welcome to the following new NASWA members

Robert Barr, Warminster, PA
 Daniel Bartlett, Gettysburg, PA
 Walter T. Berke, Rochester, NY
 James A. Clarke, Birmingham, AL
 Sheldon Cleaver, Berwick, PA
 Jean M. Cobb, Standish, ME
 Cyril A. Craig, Corpus Christi, TX
 Bob Fleck, Collyville, TX
 Donald D. Giese, Grand Rapids, MI
 Virgil V. Griffith, St. Louis, MO
 Mel Hickman, Seaside, OR
 David D. Jackson, Anderson, IN
 Robert J. Johnson, Utica, NY
 Brandon Jordan, Memphis, TN
 Heather Larrison, Freeport, OH
 John W. McCallum Jr., Pipestone, MN

David McCreery, Atlanta, GA
 Tim McGraw, Cincinnati, OH
 Warren Meinhardt, Carbondale, IL
 Ed Mueller, Cornwall-On-Hudson, NY
 Bohdan Mychajliw, Woodside, NY
 Dick Pierce N1XKH, Brattleboro, VT
 Ray Rosch, Chelmsford, MA
 John Rouse KA3DBN, Bowie, MD
 Daniel A. Sloan, Waterbury, CT
 Boyd Stepler, St. Cloud, FL
 Tim Taylor, Erie, PA
 Jay R. Tomasek, Granby, CO
 Kenneth J. Villone, Conesus, NY
 Carl Vollmer, Decatur, IL
 Sean M. Warner, Minneapolis, MN

Easy Listening

John Figliozzi
45 Algonquin Road
Clifton Park, NY 12065-7703
America Online: JFigliozzi
Internet: johntfig@earthlink.net

This column is like my waistline—bulging at the seams!

BBC World Service This Month

Listings are for the Americas/Europe stream. Days and times are in UTC. Frequencies for North America at different times of the day include 5965, 5975, 6175, 6195, 9515, 9590, 9895, 11750, 11865, 15220 and 17840. In a few cases, programs can be heard via the Americas/Europe stream only on frequencies intended for Europe. These are denoted with an * and these frequencies usually are listenable at times in parts of North America: 17640, 15575, 15485, 12095, 9410 and 7325. Times marked with an # means that the program also can be heard in western North America via the Asia stream on 9740.

Drug Watch

World Service begins a major new educational project consisting of nearly 200 programs in 21 different languages on the subject of drugs. In English, this effort begins this month with two series. There will be further programs, including a specially commissioned play, in the months ahead.

Commencing *Sept. 9 and 11*, *Home is Where the Hatred Is* presents five interviews with individuals whose lives have been affected by drugs. (*Tue. 0145*; repeated *Thu. 0530, 0915*)

Premiering *Sept. 18 and 19*, *Plants of Power* is a six part series looking at mind altering drugs and posing thought provoking questions about their use and abuse. (*Thu. 1430# and 1830**; repeated *Fri. 0530, 1030*)

On Other Topics...

Opening *Sept. 6 and 8*, *Pet Semetary* dramatizes in six parts one of Stephen King's finest novels, a gripping horror story beneath which lay serious arguments about death, the

way we regard it and the futile things we do to deny it. (*Sat. 1901**; repeated *Mon. 0330*)

Starting *Sept. 7 and 10*, *Opera of the Week* calls upon four different opera specialists to unravel the plots of some of the most popular in the the repertoire, illustrated by musical highlights. Monteverdi's *Orfeo*, Donizetti's *L'Elisir d'Amore*, Wagner's *Lohengrin* and Bizet's *The Pearlfishers* are featured in sequence. (*Sun. 1515*; repeated *Wed. 0815**)

Commencing *Sept. 9* is another three week run in an occasional series of *Messages to Myself* based on the diaries of people with extraordinary stories to tell. (*Tue. 0230*)

On *Sept. 10*, *The Farming World* celebrates its 2,000th program and its 40th year on World Service air. Now the longest established World Service weekly program, this special edition will contrast the looming food crisis of the 1960's, which led to the Green Revolution, with the challenge of the new millenium and some of the choices we face if we are to feed the world in the 21st century. (*Wed. 0030, 0930*)

On *Sept. 13 and 14* is broadcast, in two parts, *The Last Night of The Proms*. The first half features Handel's *Coronation Anthem* and orchestral music by Brahms and Wagner. The second half has the noisy celebrations with all the old favorites—Elgar's *Pomp and Circumstance March No. 1*, Wood's *Fantasia of British Sea Songs* and Arne's *Rule Britannia*. (*Part 1 [live] Sat. 13th 1830**; *Part 2 [recorded] Sun. 14th 0301*)

Beginning *Sept. 13 and 15*, a six-part series entitled *Dreams of Leaving: The Story of Human Migration* examines the decisive role migration has played and continues to play in the history of humankind from the movement of hunter-gatherers from Africa

100,000 years ago and the European migration to America from Columbus to today. The program features interviews with leading anthropologists and historians as well as migrants from all over the world. (Sat. 1030; repeated Mon. 0430, 2130)

Also starting Sept. 13, 15 and 16, is a new youth series, *Chill Out*, which will air topical issues of concern to young people around the world. This first series of eight programs will include discussions about education, disability and the global impact of American culture. (Sat. 1930*; repeated Mon. 1430 and Tue. 0730)

Premiering Sept. 14 and 16 is a two part series entitled *Adopting Attitudes*, which looks at today's attitudes towards race and adoption. (Sun. 1701; repeated Tue. 0630, 1130)

Also starting Sept. 14 and 16, *Revolution* is a new six-part *Learning Zone* series examining the French, Russian, Chinese, Cuban, Libyan and Iranian revolutions. (Sun. 2310; repeated Tue. 0915)

Beginning Sept. 15 and 19 is a new six week *Learning Zone* series, *Ends of the World*, which travels to the extremes of the earth and space. (Mon. 0915; repeated Fri. 1230)

Commencing Sept. 22 and 26, a two-part series—*Muslims in Britain*—features interviews with Muslims in a number of British cities and asks if a distinctly British Muslim identity is emerging. (Mon. 0130, 1430#; repeated Fri. 0630)

From Sept. 27, 29 and Oct. 3 begins a five-part series entitled *Paradox*. A paradox uses apparently sensible assumptions and apparently flawless logic to reach a ludicrous conclusion. This series is intended to bring some very abstract and profound problems to life. (Sat. 0130; repeated Mon. 0615 and Fri. 1515)

Starting Sept. 28 and 30, a series of four half-hour programs discusses *Elvis Presley—The Legacy*. The programs will feature The King's music and interviews with a range of people who worked with him or have been involved with preserving and enhancing the Elvis legacy. (Sun. 1701; repeated Tue. 0630, 1130)

Some continuing series...

People and Politics (Fri. 2130; repeated Sat. 0230, 1130) returns on Sept. 12 and 13 and highlights the annual party political conferences.

Plays of the Week (Sat. 2230; repeated Sun. 0530, 1830*) include: *The Painter of Signs* is about an unlikely love set in south India between a chaste, conservative sign painter and an agnostic feminist (Sept. 6 and 7); *Spoonface Steinberg* is a monologue whose only character is a seven-year old autistic child with inoperable cancer. The play prompted an unprecedented listener response when first broadcast by BBC Radio 4 (Sept. 13 and 14); *People Are Living There* is a penetrating psychological study of frustration and loneliness that brilliantly demonstrates that to laugh in the face of adversity in one of the sources of strength needed to survive it (Sept. 20 and 21); *Mosquitos*, a new play specially commissioned for World Service, looks back a century to the time when British scientist, poet and dissident Ronald Ross discovered the link between mosquitos and malaria (Sept. 27 and 28).

Off the Shelf (Mon.-Fri. 0715*, 1230#; Tue.-Sat. 0345) features a 12 part reading of the comic sci-fi story *Red Dwarf: Better than Life* (starts 8th/9th); a 3 part reading by Leo McKern of *Rumpole and the Dear Departed* by John Mortimer featuring the eminent lawyer Horace Rumpole (starts 24th/25th); and a 20 installment reading of Henry James' *Portrait of a Lady* (begins 29th/30th).

Series Continuing or Concluding This Month

Songs of the Sufi Mystics, *At the Shoulder of History*, *The Orchestra*, *Computers at Work*, *Close Encounters*, *The Way We Are*, *UFO's: Fact, Fiction or Fantasy?*, *International Question Time* and *Pop the Question* continue into September from August. Consult August's EZL for details. *The Lab* and *The Story of Football* continue from July. Consult July's EZL for details. *Brain of Britain* and *Encyclopaedia Historica* continue from June. Consult June's EZL for details.

Radio Netherlands Highlights

Documentaries

4th/5th - 50th Anniversary Special: Back to University revisits a 1947 documentary made about university life in the Netherlands. Fifty years later, Simone Weimans and Reza Kartosen ask just how much has changed—and whether it is for the better.

11th/12th - In Take the Low Road, James McDonald walks the “Pieterpad”—the footpath that stretches from the northern coast of Holland through the southern province of Limburg.

18th/19th - The Social Cost of Transformation features Eric Beauchemin reporting on the difficult and long process for Eastern Europe of transitioning from centrally planned to market economies.

25th/26th - In The Tiger's Tale, Dheera Suján discovers why the Indian tiger, regarded as the noblest beast in the jungle, is threatened with extinction.

(Fri. 2354 on 6020/6165/9845; Thu. 0054 on 6020/6165/9845 and 0454 on 6165/9590.)

Media Network

On the 5th, Jonathan Marks and Diana Janssen look at what's new and what's just hype at the biennial *Berlin International Audio and Video Fair*, the largest consumer electronics event in Europe. Their report will include an assessment of the status of digital broadcasting, including the prospects for digital shortwave.

In succeeding weeks, *Media Network* will have on-air reviews of two new receivers—the NRD-345 and the Drake SW-2, as well as of current tropical band publications and a new book on British Forces Broadcasting Service (BFBS). Diana and Jonathan will also examine Kid's Radio, comparing strategies in Europe and North America, and give their annual review of the receiver market. (Thu. 0054 on 6020/6165/9845 and 0454 on 6165/9590.)

The complete program line-up for RN is in July's EZL.

Radio Canada International

September brings significant changes to the *CBC* radio and stereo networks and, because of *RCI*'s heavy reliance on the domestic network for product, to *RCI* as well.

On September 1, the information network formerly known as *CBC Radio* becomes *CBC Radio One* and the music and features network that had been called *CBC Stereo* becomes *CBC Radio Two*. *RCI* listeners will likely hear references to these, as well as new signature music.

Morningside with Peter Gzowski and *Sunday Morning* with Ian Brown are gone from the schedule. They are being replaced by a new six day a week (Sun.-Fri.) morning block entitled *This Morning* hosted by Michael Enright, who regular *RCI/CBC* listeners may remember as a former host of *As It Happens*, and Avril Benoit, a *CBC* newcomer. *CBC* says the program will boast an impressive list of contributing editors and regularly commission documentaries and freelance contributions. Sounds a lot like the *Morningside* philosophy with some updating, which to this listener appears to be good news. As with *Morningside*, there will be an evening abridged version of the program called *This Morning...Tonight* that will also appear on the *RCI* schedule.

Also leaving *CBC* radio air are *The Royal Canadian Air Farce* (to *CBC Television*) and *Double Exposure* (to commercial radio). In their stead will other familiar comedic and satirical programs including *The Great Eastern*, *Madly Off in All Directions* and the whimsically musical *Vinyl Cafe* with Stuart McLean. *Now the Details* also does not appear on the initial *CBC Radio One* schedule.

Otherwise, several familiar *CBC* programs remain—*Writers and Company*, *Tapestry*, *The Inside Track*, *The Mystery Project*, *As It Happens* and *Quirks and Quarks*. All previous *RCI*-produced programs will remain on the *RCI* schedule.

Here is the complete *RCI* schedule to North America: (All Caps=*CBC Radio One* program; Upper and lower case=*RCI* program)

1200-1300 UTC on 9640/11855/13650 (daily).

1200 - *Daily - RCI News*

1212 - *Sun. - QUIRKS AND QUARKS* (science); *Mon. - THE GREAT EASTERN* (comedy); *Tue.-Sat. - AS IT HAPPENS* (news magazine/interviews)[abridged version]

1235 - *Mon. - MADLY OFF IN ALL DIRECTIONS* (comedy)

1300-1400 UTC on 9640/11855/13650 (Mon.-Fri.)

1300-1600 UTC on 11855/13650 (Sun.)

1300 - *Sun.-Fri. - WORLD REPORT* (news)

1312 - *Sun. - THIS MORNING* (arts/politics/documentaries/discussion)[w/CBC NEWS at 1400, 1500]; *Mon.-Fri. - THIS MORNING...TONIGHT* (best of daily "This Morning")

2200-2230 on 5960/9755/13670 (daily)

2230-0000 on 5960/9755/13670 (Mon.-Fri.)

2230-2300 on 5960/6040/9535/9755/11940 (Sat.-Sun.)

2300-0000 on 5960/9755/11940/13670/15305 (Sat.-Sun.)

2200 - *Mon.-Fri. - THE WORLD AT SIX* (comprehensive domestic evening newscast); *Sat. - Sun. - THE WORLD THIS WEEKEND* (news and regular features)

2230 - *Sun. - [To Be Announced]*; *Mon.-Fri. - AS IT HAPPENS* (news magazine/interviews); *Sat. - MYSTERY PROJECT* (radio drama/serials)

2300 - *Sat.-Sun. - CBC NEWS*

2308 - *Sat. - QUIRKS AND QUARKS* (science); *Sun. - TAPESTRY* (religious/spiritual/humanist issues)

2300-2330 UTC on 11940/15305 (Mon.-Fri.)

2300- *Mon.-Fri. - THE WORLD AT SIX* (comprehensive domestic evening newscast)

0100-0200 UTC on 9535*/9755/11715*/13670* (daily; *to 0130 Tue.-Sat.)

0200-0300 UTC on 6120/9535/9755/11715/13670 (Sun.-Mon.)

0200-0300 UTC on 9755/13670 (Tue.-Fri.)

0100 - *Daily - RCI News*

0108 - *Sun. - Venture Canada* (Canadian business/technology/exports); *Mon. - Arts in Canada* (cultural report); *Tue.-Sat. - Spectrum* (Canadian news magazine)

0130 - *Sun. - Earth Watch* (environmental issues/ecology); *Mon. - The Mailbag* (listener letters)

0200 - *Daily - CBC NEWS*

0208 - *Sun. - THE GREAT EASTERN* (comedy); *Mon. - THE INSIDE TRACK* (sports anthology); *Tue.-Sat. - THIS MORNING...TONIGHT* (best of daily "This Morning")

0230 - *Sun. - MADLY OFF IN ALL DIRECTIONS* (comedy); *Mon. - [To Be Announced]*

In Brief...

Thanks to *Pete Haishun* of Hurst, TX who wrote about, among other things, reception of *Radio Australia* in TX. His general experience appears similar to mine (see August EZL) but more frequencies appear usable in TX than in NY. Mornings in central US, try 5870, 5995, 6080 (weak), 9415 (new and best here in NY as well; on after 1200 UTC), 9580 (until 1200); evenings try 13605, 15240 (best both in NY and TX), 15415 (weak; on after 0400), 15510 (new, weak in NY, good in TX but with adjacent channel QRM) and 17795 (good early, fades late)...Speaking of *Radio Australia*, a pleasant morning surprise is the *ABC Radio National* program, *Late Night Live*, broadcast *Mon.-Thu. after 1200 news*. Host Phillip Adams has a pleasant, low-key style and tackles substantial issues with his guests in a conversational, non-confrontational, but probing way. Topics covered are not confined to Australian navel-gazing either; recent discussions have included reasons behind lower crime in NYC and the challenge to public institutions in a private enterprise world...

More stuffed in next month. Until then, 73!



Shortwave Center

Hans Johnson
206-A South Loop 336 West #231
Conroe, TX 77304
CompuServe: 73042,3644
Internet: 73042.3644@compuserve.com

This article was written for the Danish Shortwave Club International (DSWCI).

Third National Mexican DX Meeting A Great Success

Written by Jeff White <wrmi@compuserve.com>

How far would you travel to attend a national meeting of DXers? And how much would you be willing to pay to attend? Before you answer, look at the situation in Mexico.

About 35 shortwave listeners and DXers from throughout Mexico attended the Third National Meeting of Mexican DX Clubs on August 1 and 2, 1997 in Veracruz, on Mexico's eastern coast. This number was up from seven persons at the first annual meeting two years ago in Tepic, in Nayarit State; and 12 persons at last year's annual meeting in Miguel Auza, Zacatecas State.

Compared to long-established DX conventions in Europe and North America, the Mexican meeting was perhaps still a bit small. But the organizers are convinced that this year's meeting was a turning point for the organization, with a much larger attendance than in the past, and with representatives from several shortwave radio stations in Mexico and abroad (including Radio Netherlands and Radio Miami International).

In Mexico, where the economic situation makes staging an event like this extremely difficult, DXers made great personal sacrifices to attend. Take the case of Miguel Angel Rocha Gomez, for example. He lives in the State of Chihuahua, near the Mexican border with El Paso, Texas. Miguel Angel travelled 2,400 kilometers (one-way) to attend the meeting in Veracruz—a 36-hour bus trip. But he was glad to do so. "If I had to, I would have travelled on horseback to be here!" he exclaimed. Others also made long bus trips to attend. Some of the DXers paid up to one-and-a-half month's salary just for the trans-

portation to get to Veracruz, where local DXers were happy to give them lodging in their homes.

This kind of dedication, and the increasing number of attendees every year, are an indication that shortwave listening and the DX movement are in good shape in Mexico. There are four major DX clubs in the country, and all of them are based outside of the Mexico City area. The Nayarit DX Club, based in Tepic and led by Ivan Lopez Alegra, hosted the 1995 national meeting.

The Miguel AFAza DX Club in Zacatecas State, led by Luis Antero Aguilar, hosted the second annual meeting last year. (This club boasts about 200 members.) The Sociedad de Ingenieros Radioescuchas in Veracruz, headed by Cesar Fernandez and Rafael Grajeda, arranged this year's meeting. There is another club in Veracruz State called the Audio Pico DX Club in Orizaba, run by Cesar Granillo. In addition, a loosely-knit group called Encuentro DX is now beginning to operate in Mexico City.

Mexican DXers fall into all age ranges, and this was reflected at the Veracruz meeting. Long-time DXer (and radio amateur) Don Adolfo de Jesus Melgarejo shared his knowledge of Q-codes and other hobby abbreviations with some of the newer shortwave listeners. There was obviously a large percentage of young people in attendance. Most of the attendees were in their teens, 20's or 30's, and this should mean that DXing in Mexico will be alive and well for decades to come. One of the most interesting things I noted was the large number (over 25%) of

female listeners present. Some of them were spouses of DXers (but in most cases both spouses were DXers), and some of them came on their own (like Vera Cruz—yes, that's her name—who lives in Veracruz and heard about the meeting from Radio Netherlands). There were also a few blind listeners who attended, despite the special obstacles they might have encountered.

Miguel Angel Rocha was not the only person who travelled far to attend the meeting. Juan Manuel Martinez came from Campeche, in the Yucatan Peninsula. Magdiel Cruz Rodriguez travelled from a small town in San Luis Potosi State. Leopoldo Lomas ventured from Torren in Coahuila State. And one person even showed up from Cuba. Needless to say, it is quite a challenge to organize a DX convention with no funds, and to attract DXers who may have little or no economic resources to spend on such an event. In the case of this year's meeting, the organizers wanted attendees to only have to pay their own transportation to get to Veracruz, so the Sociedad de Ingenieros Radioescuchas paid all of the organizational expenses out of their own pockets, including the rental of an air-conditioned meeting hall at the Veracruz Cultural Institute downtown. The organizers welcomed a certain number of out-of-town DXers into their homes to avoid lodging expenses which might have otherwise kept them from attending. Coffee-break refreshments were paid for by a few donations. The previous two meetings have operated on a similar basis. Last year, the town of Miguel Aza lent its ambulance to the group so they could take a tour of local radio stations.

Lack of funding did not in any way inhibit the quality of the 1997 meeting. The two-day event was filled with excellent talks by experts in various aspects of DXing. The first day (Friday, August 1) began with an official opening at the Veracruz Cultural Institute by the city's mayor, Roberto Bueno Campos, who presented special certificates to the international attendees. The first talk was an "Introduction to DXing" given by Miguel Angel Rocha Gomez, whose profession in fact is an elementary school teacher. Other seminars dealt with such topics as utility DXing, 11-meter DXing in Mexico, the future of shortwave broadcasting as we ap-

proach the 21st Century, and expositions by the various clubs and radio stations present.

Speaking of the radio stations, they all contributed souvenirs (such as station t-shirts, hats and scarves) to a raffle drawing, for which everyone in attendance was eligible. And even some stations which were not in attendance contributed. Adrian Peterson of Adventist World Radio's DX program "Wavescan" sent a box full of folders with schedules, as well as some station souvenirs and three special albums of historical AWR QSL cards and post cards that the station has received from listeners around the world. Ian McFarland of Marbian Productions International in Canada sent packages of current program schedules from various shortwave stations around the world which participate in Marbian's international promotions, as well as some Radio Canada International pennants. And the Danish Shortwave Club International contributed several copies of its recent newsletters, some brochures and copies of their latest "Tropical Bands Survey" and "Clandestine Station List." All of the items which were too few to give everyone were placed in the raffle, and WRMI threw in some recent editions of the World Radio TV Handbook and Passport to World Band Radio. There were enough items so that everyone in attendance won at least one or two prizes.

The second day of the meeting began with a closed session for the DX club leaders to make decisions about the continuation of their cooperative efforts such as the annual DX meeting. (This gave the rest of us a chance to catch a little extra sleep.) At 10:00 a.m., the general meeting resumed with more seminars, including a talk by Dr. Julian Santiago Dez de Bonilla and Alejandro Morales about their DX programs in the recent past on Radio Educacion and Radio Mexico International, and possible future DX programs on Radio Transcontinental de America and/or Radio Mil's shortwave frequency.

Alfonso Montealegre and Jaime Bogueña of Radio Netherlands were a big hit as they recorded a series of special programs for "Radio Enlace" and "La Estacion de la Alegria" with meeting participants talking about things like how they got started in

shortwave listening and some entertaining personal anecdotes about their experiences with shortwave radio. It turned out that one of the young couples present was in fact "united" by Radio Netherlands. Gregorio Guzman of Puebla, Mexico and Patricia Garcia of Neiva, Colombia were both listeners of Radio Netherlands. They began corresponding by mail as a result of an RN program which gave out names and addresses of listeners who wanted pen pals. One thing led to another, and eventually Gregorio travelled to Colombia to meet Patricia in person. About a year ago they were married, and they now live in Puebla—about four hours west of Veracruz by car or bus.

At the end of the second day, the final event was a Shortwave Broadcasters Forum, where the DXers were able to ask frank and direct questions of all the broadcasters who were present. Topics included financing sources and problems, the possible commercialization of shortwave, how stations deal with conflicting and controversial programming, and much more.

The national shortwave station representatives in attendance were Juan Mort, director of Radio Mexico International; Marlen Reyes Gomez of Radio Educacion, Arturo Avila of Radio Transcontinental de America, and Erick Fernandez of Radio Ibero. (All of these stations are in Mexico City.) Juan Mort revealed that he hopes to have a second shortwave transmitter on the air during the next few months, which will permit the station to broadcast Spanish and English programming simultaneously on different frequencies. (Right now the broadcast day is split between Spanish and English.) Marlen Reyes Gomez explained her station's efforts to provide separate programming on its mediumwave and shortwave frequencies, including a DX program on shortwave. Arturo Avila spoke about his station, Radio Transcontinental de America, which is conducting sporadic test transmissions at the moment (on 4800 kHz) and hopes to go on the air with regular broadcasts in the near future. This will be a commercial operation designed to promote Mexico and its products overseas. Erick Fernandez told conference participants that programming from his station—Radio

Ibero, operated by the Iberoamerican University in Mexico City (which is affiliated with the Jesuits)—would soon be broadcasting several hours per day via the shortwave frequency of Radio Huayacocotla, a well-known Mexican shortwave station on 2390 kHz. It seems that Radio Huayacocotla is also affiliated with the Jesuits. The relays of Radio Ibero were due to begin on August 14, but exact hours were not yet known. Incidentally, Radio Huayacocotla programming will also be heard during certain periods of time on the FM frequency of Radio Ibero in Mexico City (90.9 MHz) as part of this program exchange agreement. For more information, DXers may contact Erick Fernandez by e-mail at: efernand@uibero.uia.mx.

As with most DX conventions, there was also time for informal conversation and a little local tourism. A group meal at the famous Gran Cafe de la Parroquia gave me a chance to try turkey enchiladas with mole sauce (a chocolate-based hot sauce which originated in Puebla) and a chance to talk with DXer Cesar Granillo about his experiences climbing Mt. Orizaba, a picturesque volcano which is also one of the highest peaks in Mexico. A nighttime walking tour of downtown Veracruz gave participants an opportunity to see some of the city's historical sites (this is where the Spaniards began their conquest of Mexico) and places like the Zocalo—the main square where thousands of people gather on weekend nights to eat, drink and enjoy this beautiful port city, even if the temperature was nearly 40 degrees Celsius and the humidity was nearly 100%! And DXers who brought their receivers with them were able to enjoy a couple of nights of DXing right on the Malecon—the seaside boulevard that runs directly along the coast of the Gulf of Mexico.

On the day following the meeting, Jaime and Alfonso were invited to the home of a Radio Netherlands listener who had attended the Veracruz DX event. As they were travelling in our rental car, my wife Thais and I also had the pleasure of going along. Humberto Rodriguez lives in the city of Papantla, famous for vanilla production, about four hours north of Veracruz. It was a nice drive along the coast, with beautiful beaches, palm trees

and resorts that were crowded with mostly Mexican tourists (and a few Europeans) who were vacationing in the popular (but not well-known outside of Mexico) Costa Esmeralda area. A few minutes from Papantla we visited El Tajin, possibly the most impressive pre-Columbian ruins in northern Mexico, with many pyramids that are architecturally quite different from Teotihuacan and the Yucatan archeological sites. And the famous "Indian flyers of Papantla" performed by jumping off a 35-meter-high pole with a rope attached to them, swinging around the pole many times until they finally reached the ground while one of their members sat atop the pole playing a traditional native flute. But the highlight of our day was visiting the home of DXer Humberto Rodriguez, a medical student who has been a keen shortwave listener for many years. In his room was a Zenith Transoceanic receiver which he uses to listen to the world, and pictures on the wall of Alfonso Monteleagre and Jaime Beguena taken from Radio Netherlands program schedules. "Never in my life did I think these people would visit my home," he said. "I'll never forget this day as long as I live." Humberto's mother prepared a delicious local dish for us called Zaphuilit, made of stewed grains and just a bit spicy like most Mexican food.

For my own part, it was great to meet Radio Miami International listeners like Magdiel Cruz Rodriguez from San Luis Potos and Ivan Lopez Alegra from Tepic (head of the Nayarit DX Club), as well as Hector Garcia Bojorge from Mexico City, Pepe Gonzolez from Xalapa and others. I had the rare pleasure of presenting QSL certificates personally to Ivan and Hector for reports they had recently sent us, and Magdiel gave me some reception reports of recent programs he has heard on WRMI for me to pass along to the producers. Ivan said he had been following our series of reports on a recent trip to Poland and the Czech Republic, and he was looking forward to hearing the rest of the series. This kind of listener-broadcaster interaction is not often possible in any part of the world! And it was great to meet broadcasting colleagues like Juan Mort of Radio Mexico International, Erick Fernandez of Radio Ibero, and Julian Santiago—a medical doctor whose other passion is DXing and whose

voice many of us have heard on Radio Educacion or Radio Mexico International reading listener letters and providing DX information. Indeed, Julian's informal, impromptu style reminds me of Radio Clarin's Rudy Espinal back in the 1980's.

At the end of the Veracruz meeting, the Mexican DX clubs in attendance issued a formal communique announcing several decisions they had arrived at. They agreed to continue working to promote DXing and to cooperate with radio stations that have DX programs, including Radio Mexico International's "Estacion DX." The Mexico City DXers agreed to form a loosely-organized group called "Grupo Encuentro DX," although they decided not to form an official club. All of the clubs agreed to support the organizers of next year's National DX Meeting, and they agreed to work on developing future national meetings to be even bigger and better than this year's. Yours truly was invited to become the Coordinator of International Attendees, a position which was truly an honor for me and which I will do my best to carry out.

On or before October 1, the dates and site for the 1998 Mexican National DX Clubs Meeting will be announced. Preliminary indications are that it will again be held during the first weekend of August and somewhere in central Mexico. Cesar Fernandez and Rafael Grajeda are hoping for an attendance of at least 50 or 60 next year, and they're again inviting DXers and international broadcasters from anywhere in the world to attend. Based on the success of this year's meeting, my guess is that the "Encuentro" (Spanish for "Meeting") has now become an institution that will grow more and more every year, promoting shortwave listening throughout Mexico. And it should be an example for DXers in other parts of the world—not just Latin America. It's ironic that with all of the difficulties DXers face in Mexico, they are able to organize a first-class annual national meeting for DXers, while in North America the DX clubs have not done so since 1990.

Indeed, the enthusiasm and the dedication of the Mexican DXers must be applauded and is a great example for the DX movement world-wide.



Listener's Library

T. J. "Skip" Arey N2EI
P. O. Box 644
Waterford Works, NJ 08089
Internet: tjarey@mosquito.com

Okay its probably been a few months since I bugged you folks to consider becoming amateur radio operators. If any of you have taken me seriously about this idea and began a course of study toward a Novice, Technician or Tech-Plus license, we gotta talk.

You see, the F.C.C., you know, those guys who keep chasing Andy Yoder, have issued a new question pool for these classes of license effective July 1, 1997. If your using study materials released prior to that time you may not be truly ready to step up to the exam table. Our good friends at the American Radio Relay League have put out some materials that cover the new question pools and are good through July 1, 2001 so you have no further excuse to miss all the fun that ham radio represents to the dedicated radio hobbyist.

NOW YOU'RE TALKING, 3rd Edition All You Need To Get Your Ham Radio Technician License

Edited by Larry D. Wolfgang WR1B
and Joel P. Klienman N1BKE
444 Pages
\$19.00

The American Radio Relay League
225 Main Street
Newington, CT 06111-1494
ISBN 0-87259-597-8

I must admit that many of the books I review in the pages of Listener's Library are sent to me gratis as review copies. However, I want to state for the record that I have purchased

TWO of these books since its third edition release. One for number two son who is finally interested in getting into the hobby and one for a retired RCA engineer who gifted me with a beautiful pair of 6146B vacuum tubes after attending one of my promotional appearances for my book Radio Monitoring: A How-to Guide. I'll probably buy a few more copies along the way to Elmering folks into the hobby too.

oooooooooooo

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oooooooooooo

Some people take their license test and yes, even pass by just reading over the question pool half a hundred times. Can you do it

this way? Sure you can. I've met dozens of folks on the air who clearly got their license in just that manner. They never grasped the basic concepts that the exam is designed to test. More than a few of these folks become quickly frustrated and even fall away from the hobby. This is sad. The best way to go to both pass the test and in the long run get the most enjoyment out of the radio hobby is to learn to various concepts and then apply them in answering the exam questions. The ARRL license study guides all take this higher path to getting licensed. Sure, the full question pools for the Novice (element 2) exam (The books cover omits this fact for some reason) and the Technician (Element 3A) exam. But both of these question pools begin with large type statements "Don't Start Here!" Before these question pools are twelve very readable chapters that fully equip the student with all the basic aspects of the amateur radio art. These chapters include a general introduction to the hobby, a review

of F.C.C. rules, amateur station operation and practices, Basic electrical principles, circuits and components, signals and emissions, and antennas. All this information will get you well placed to deal with the question pools. But the book goes even further in getting you ready to pass the test and become a knowledgeable radio operator as well. A chapter is set aside to teach Morse code study methods essential for going beyond the "No Code" Technician's Class ticket. Also a new area of study is Radio Frequency Radiation Safety. The F.C.C. has established Maximum Permissible Exposure limits to certain levels of RF Radiation. Further, questions have been added to the Novice and Tech question pools addressing this subject so it is good that this book includes a full chapter on this topic. Even this old radio dog learned a few new tricks reading this chapter. RF Exposure remains a controversial topic but at least now I can participate fully in the discussion. The book goes on to describe the testing procedure and how to deal with those butterflies in the tummy on exam day. And when the examiner smiles at you and congratulates you on your success, there is even a chapter on setting up that first station and getting on the air. I only wish such an excellent book was available way back when I first sat for my novice ticket. I wouldn't have sounded like such a novice when I first got on the air.

Okay, you're stoked and you don't want to settle for that No-Code Tech ticket. You want to head up the ladder. Well until the I.T.U. and the F.C.C. make some serious changes, that road will include "the code". My first code training tool was the old AMECO record. I think most of us can admit we remember "vinyl". Well records gave way to cassette tapes and more recently computer programs. But I look back on that old record with fondness. While computer programs are great for building speed and skill, a basic tape or record can still get you through the characters. And guess what, I'll let you in on a little secret I learned from a cognitive psychologist who is also an extra class ham. If you learn all the characters successfully you are more than likely already copying at about 7 words per minute so, barring test anxiety,

you should sail through the novice and tech plus code exam. Well yet another new format for learning the code has come into being that harkens back to the days of my old AMECO record.

YOUR INTRODUCTION TO MORSE CODE

**Narrated by Rosalie White WA1STO
Edited by Larry D. Wolfgang WR1B
2 Audio Compact Disks and 32 page booklet**

**(also available on audio cassettes)
\$12.00**

**The American Radio Relay League
225 Main Street
Newington, CT 06111-1494
ISBN 0-87259-581-1**

I don't know about music stores in your neighborhood but twelve bucks is cheap for a single CD. This training tool contains 2 full length audio CDs. The alphabet, numbers, punctuation and procedural signs are all taught using the much preferred "Farnsworth" method of code education. Using this method, code characters are sent at 18 words per minute but spaced for 5 words per minute. This doesn't effect basic character learning one bit but vastly improves the students ability to gain speed as he or she moves up to take the General and Extra Class code tests.

I picked up this package for number two son because he found the various computer programs I have around the shack a little complicated to set up. With the CD's, he just pops one into his boom box and he's ready to go.

Disk one contains 47 tracks that get the user through the alphabet and numbers and pro-signs along with some simple words. Disk 2 concentrates on phrases that develop into the QSO format you will find in sitting for the code exam. It also include six practice exams to get you ready for the big day when you are ready to tackle Element 1A.

As the CD case says "Accept the Challenge, Enjoy the Rewards" I'll meet you in the 40 meter novice segment, that where I hang out these days.



Equipment Reviews

Alan Johnson
2490 Sharon Way
Reno, NV 89509
CompuServe: 76665.1756
Internet: 76665.1756@compuserve.com

The Alpha Delta Variable Response Console

Let's face it—shortwave broadcasting is not a high-fidelity medium. Most of the reason is the inherent noise and interference of the medium as well as the vagaries of ionospheric propagation. Some receivers can be part of the problem due to small speakers and weak, non-optimal audio amplifiers. There is a constant conflict between the desire for wide-band filter and audio response for "arm-chair" copy and the necessity of narrower selectivity for interference rejection with the accompanying muffled audio. I find that I am always on the look-out for products that can make SW reception sound better.

People have taken various approaches to try to mitigate this circumstance. One option is to tap the radio's signal before it gets to the audio output amp and route the signal to an external amp and speaker. This works well for stations that are in the clear, plus the external amp's tone controls can be used to tailor the sound to the listener's preference. When more selectivity and noise/interference rejection are indicated, there are various outboard audio filters available. Grove Enterprises introduced their SP-200 a few years ago. This product combined an amplifier, tone controls, a peak/notch filter, noise limiter, squelch and a speaker, all in one enclosure. The new VRC (Variable Response Console) from Alpha Delta, follows along these lines. As far as I know, this is the first non-antenna related product from this Kentucky company.

The Box

The VRC is an eight pound cast aluminum black box measuring 8 x 8 x 6 inches (HxWxD). The majority of the box's volume is used as a bass reflex (ported) enclosure for

the 4 inch speaker. The front panel consists of a perforated grill for the speaker and the control panel for the electronics. The amplifier provides two watts of output and uses a push-pull design for low noise and distortion. Controls include rotary knobs for high and low frequency adjust, knobs for the peak/notch frequency and bandwidth and pushbuttons to activate the peak or notch filter. There is also a power pushbutton and a "set and forget" volume control (the manual recommends using the receiver's volume control during listening). On the back of the box are a coaxial power input jack, a 1/8" phone jack for audio input and a RCA jack for tape recorder output. There is a supplied AC adapter supplying 12 volts at 500 mA—if you use a different DC power source, pay attention as the center pin of the coaxial connector is minus DC volts. The VRC's input is high impedance, which permits using a receiver's speaker, headphone or line level output to drive the VRC. Using a receiver's line level output affords the options of using the receiver's usual speaker for monitoring with the VRC off and eliminating the radio's audio amp from the signal chain, possibly reducing distortion and noise. The instruction sheet discusses connecting the VRC to radios such as the Drake SW8 that have an audio output that is floated above ground and mentions a plug adaptor that is supposedly furnished with the unit—I couldn't find one in the packing of the review unit.

The Controls

On the left-hand side of the VRC's front panel are the on-off pushbutton and the high and low frequency controls. The Low Frequency control performs identically to a

"Bass" control on a high-fidelity amplifier, i.e. it serves as a low frequency boost or cut control, providing approximately ± 12 dB of adjustment at 100 Hz, with decreasing effect up to 1000 Hz. The High Frequency control does not function as a "Treble" control, but instead sets the cut-off frequency of a low-pass filter. This filter has a slope of 30 dB per octave and the cut-off frequency can be adjusted from 500 Hz to 10 kHz. Above these knobs are a vertically oriented nine segment LED bargraph display that shows the setting of the low frequency control and a horizontal ten segment display that shows the cut-off frequency of the high frequency control. There is a mono 1/4" headphone jack at the bottom middle of the panel (the instructions state that an adapter must be used with stereo headphones). The internal speaker is deactivated when headphones are plugged into the VRC's phones jack. To the right of the headphone jack are the knobs that set the center frequency and bandwidth of the peak/notch filter and above these knobs are the pushbuttons that select either normal, peak or notch filtering. The peak can provide about 20 dB of effect over a few hundred Hz at its narrowest setting and several thousand Hz at its widest. The notch provides up to 40 dB of rejection over a similarly adjustable bandwidth range. The center frequency of the peak or notch can be adjusted over a range of 400 to 10,000 Hz. The peak and notch filters track each other exactly, which means that an interfering heterodyne can be localized in the peak mode and then eliminated by switching to notch mode—a technique that I find makes the process of notching a lot much easier. At the far right of the front panel is the small rotary volume control. The instruction sheet provides graphs of the responses of the unit's various modes.

Operation

The VRC provides an outstanding degree of flexibility for tailoring a signal's audio. The VRC has equal applicability for the program listener, DX'er, ute enthusiast and ham radio operator. For program listening, where I try to use the widest IF bandwidth possible for fidelity, I could set the VRC's high frequency

cut-off to eliminate high-frequency whine and splatter without adversely affecting the treble content of the signal. For DX'ing, I could adjust the high and low frequency controls to maximize speech intelligibility—sometimes I would even use the peak filter at a relatively wide bandwidth to emphasize the speech frequencies. Using the peak control with a narrow bandwidth affords "single-signal" reception of CW and data modes. Despite this degree of flexibility, the VRC is very easy to use and the LED bargraphs show the user exactly what is going on with the low and high frequency controls. It would be very handy if the effects of the peak/notch controls could also be displayed. Another nice feature of the VRC is that the filters are infinitely adjustable (not in steps as with some digital filters) over a very wide range of frequencies. The VRC is also very quiet, contributing very little noise of its own to the signal. If I had a VRC of my own, instead of a review unit, I would switch the bar knobs for round ones—I think this would make fine-tuning the controls just a bit smoother.

Dramatic effects can be achieved thanks to the wide range of the VRC's controls, however, I often found that subtle adjustments yielded the best effects. I would most often use the receiver's widest bandwidth and then just slightly roll off the VRC's high frequency response to cut down on the whine and hiss in the signal without unfavorably affecting the fidelity for listening to music on stations "in the clear". One interesting thing that I noted with the VRC was that it allowed me to distinguish between receivers and stations based on their sonic content. For instance, Radio Australia tends to have a very bassy signal compared to other stations, which I could compensate for with the VRC's low frequency boost/cut control. My JRC NRD-535 tends to emphasize the bass frequencies—again, the VRC allowed me to counteract this.

The Competition

The only comparable unit to the VRC is the Grove SP-200 (now offered in the "B" version—I haven't yet gotten the information

concerning what changes have been incorporated in the "B"). The SP-200 sells for \$50 less at \$199 versus the VRC's \$250. The SP-200 offers a squelch to cut off the audio output when the receiver's output drops below a certain level and a clipper-type noise limiter. The Grove unit also has a recorder activator which will switch on a tape recorder equipped with a "remote" jack when audio is present. On the other hand, the VRC offers a wider range of adjustment of the peak/notch and high frequency cutoff controls, with the top end being 10 kHz vs. 6 kHz for the SP-200. The SP-200 has the usual cut/boost treble control as opposed to the VRC's variable lowpass filter. I felt that the VRC also offered a "richer" sound. One thing that

I didn't prefer in the VRC was the fact that the receiver's output is not bypassed to the VRC's speaker when the VRC's power is off, a feature that the SP-200 has.

All in all, I think the Alpha Delta Variable Response Console represents a good value and a worthwhile addition to any listening setup. It provides a good speaker and an amplifier with more than sufficient output, plus highly effective tone controls and a very flexible peak/notch filter. More information can be obtained from Alpha Delta Communications, Inc., P.O. Box 620, Manchester, KY 40962; (606) 598-2029. Thanks to Universal Radio for providing the review unit.



Easy Listening Extra

by John Figliozzi

[Editor's note: The following items didn't fit in this month's Easy Listening column. We present them here instead.]

Deutsche Welle Highlight

On Sept. 10, a special edition of *MediaMag* in the *What's New* slot will also highlight the *Berlin International Audio and Video Fair*. (Tune in about 25 minutes into each of the following broadcasts: 0100-0150 on 6040/6085/6145/9640/11810; 0300-0350 on 6085/6185/9535/9615/9640; 0500-0550 on 5960/6045/6185/9615.) The complete program line-up for DW is in July's EZL.

In Brief...

Not shortwave, but *CBC* has announced that its MW band transmitters in Montreal (*CBM* on 940) and Toronto (*CBL* on 740) will be phased out by fall 1998 in favor of new FM transmitters more suited to effective reception in urban areas. This will leave Moncton, NB (*CBA* on 1070) and Windsor (*CBE* on 1550) as only long distance MW sources for *CBC* programming—and neither is as reliable as the other two. Internet service will be there, but my car can't get the Internet. For someone who detests most US commercial radio, this is a loss and a problem. I still think we need to utilize our clubs and ANARC to make stations and networks aware of our existence, interests and views.... "Be listening to Voice of Russia during the first week of September, especially September 5-7. Moscow will be celebrating its 850th anniversary over those three days...."



Digital SW Broadcasting

(Part 2)

This month we continue our look at some of the issues associated with making digital short-wave broadcasting a reality. I'll address some frequently asked questions. One problem, during the transition to digital short-wave broadcasting, is how to keep analog listeners. The folks at Telefunken may have the answer.

Recently Telefunken installed four new 500 kW transmitters at Deutsche Telekom's transmitter site at Nauen, Germany. As a part of the inaugural broadcast, Deutsche Telekom and Telefunken conducted a digital demonstration.

Kim Elliott of Communication's World on the VOA recently interviewed two Telefunken engineers about the test. (You can still listen to the interview on the internet at <http://www.wrn.org/voa.html> if you have Real Audio on your computer. Check the May 24, 1997, program. The program also contains some sounds of a digital signal transmitted from Delano CA to Washington DC. This VOA test allowed evaluation of ionospheric distortion. The Jet Propulsion Laboratory helped with the VOA test.)

The Telefunken engineers called the test system the T2M. It stands for the (Deutsche) Telekom and Telefunken Multicast system. Here is the structure of the signal spectrum.

Let's assume an AM transmitter rated for 500 kW. To provide an analog signal for existing receivers, engineers allocate most of the power to the analog signal. For these tests they reduced the analog signal power to 400 kW. That is only a reduction of about 1 dB. The listener would never be able to detect the

difference even if the signal was right at the noise level. Of course we are talking program listeners here so the actual levels will be much higher than the noise floor. The digital information uses the 100 kW freed by this reduction.

Engineers offset the digital information

from the analog carrier to minimize interference to the analog signal. Two 50 kW signals take advantage of the available 100 kW. One stream was centered 10 kHz above the center frequency; the other was 10 kHz below the analog carrier. Both signals can be modulated with the same information for monaural broadcasting. Alternatively, each can carry one channel of a stereo broadcast. The two digital channels can also send two separate programs. Only one of the digital signals needs to be transmitted if spectrum conservation is a primary concern. The spectrum is shown in Figure 1.

The digital signals are more efficient than analog. Broadcasters can reduce power. Er-



One problem, during the transition to digital short-wave broadcasting, is how to keep analog listeners. The folks at Telefunken may have the answer.



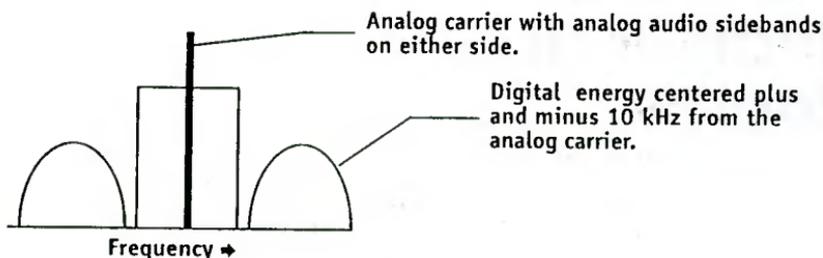


Figure 1. The spectrum of the T2M digital format can occupy 30 kHz or more of bandwidth.

ror correction techniques developed for weak-signal space communications can actually detect and repair noise hits. Your CD player uses similar technology to correct errors. So the technology is available for adaptation to the unique problems of short-wave transmission.

How well does it work? The Telefunken engineers claimed that quality equal to today's analog FM radio will certainly be possible. They even held out hope of CD quality audio.

How soon could a digital system be on the air? About one year after broadcasters adopt a standard according to the Telefunken Engineers. There is currently an international committee, headed by Dr. Bob Everett of the VOA, working to develop the standard. After defining the standard, the major stations will begin broadcasting using the new mode. Then manufacturers can begin cranking (apology to Baygen) out radios for a new and eager customer base.

What is the downside of this system? Clearly the frequency planning will be a nightmare. It is hard enough for broadcasters to find a clear 10 kHz wide channel. Finding three channels in a row will be really hard. International broadcasters will need wider spectrum allocations. The bands will get bigger. Broadcasters may have to choose an out-of-band frequency. Limited coverage analog radios may no longer be able to tune in the analog signal.

Will digital broadcasting eliminate whistles and interference? Yes, the digital signals have

an enhanced immunity to interference. The top dog on the frequency will be the station that will get through. Digital signals will exhibit a capture effect similar to that which occurs on FM radio. Jammers will either dominate the frequency or not be heard at all.

Why must the channels be adjacent on the dial? Existing transmitter high power amplifiers and antenna tuning networks must pass these signals. The bandwidth of the tuned circuits is a function of the efficiency of the tuned circuits. Highly efficient, low-loss circuits have a narrower bandwidth than circuits that are lossy. When running power levels in the hundreds of kilowatts, a lossy coil quickly turns into a blob of molten copper. So the tuned circuits are necessarily efficient and narrow. The digital information must be sent on frequencies close to the analog signal. This allows the transmitter to serve simultaneously for both analog and digital services.

There is no guarantee that the final system will look like the T2M system described here. The folks at Thomcast have a system called Skywave 2000. A check of their web site revealed only a short reference to the Skywave 2000 system and no technical details.

In succeeding months I will talk about some concepts unique to digital transmission. We will look at sampling techniques, quantization noise, and bit error rate. Until next time, stay tuned.

SW

NASWA Awards

Dr. Harold Cones
2 Whitts Court
Newport News, VA 23606
Internet: hcones@cnu.edu

Howdy and welcome to summer in Virginia! The weather can't seem to make up its mind if it wants to be hot or cold but thunder storms somewhere on the earth make listening conditions remind me that it is indeed summer. The awards business has been slow and it has been several months since there has been enough to write about. The summer months are a perfect time to stay in touch with your hobby by organizing your QSL albums (besides, that can be done in the air conditioned house). Be sure to check your cards against the NASA awards booklet and see if you qualify for an award or two that might have slipped through a crack somewhere.

Here are the latest folks to bother their spouses by hanging those beautiful NASWA greens all over the house:

James Clar
DXer de Pacifica

James Evans
African Continental DXpert
Master European DXer
North American Continental DXpert
Master Pacifica DXer

Eric Falkenhan
All VOA

Richard Hankison
Senior DX Centurion
Master European DXer
Australian DXer

Rick Krzemien
210 country endorsement

Steve Lare
African Continental DXpert

Bill Matthews
Master British Commonwealth DXer

Gary Neal
Senior Ecclesiastic DXer
Senior China DXer

Stephen Pitts
Senior DX Centurion

Michael Prindle
DX Centurion
Pirate DXer

John Wilkins
The following endorsements:
Senior Ecclesiastic Dxe 84
Australian Dxe 15
All VOA 23
Master PNG 20
Senior Ecuadorian 15
Senior Peruvian 51
All American Dxe 34
Asian Continental Dxe 62

Congratulations to all these hard-working DXers—hope to see your name here next time.

Featured Award

As you plow over your country lists and QSLs working on that next NASWA award, you no doubt have in the back of your mind that some day you will be first a DX Centurion, then a Senior DX Centurion and finally, a Master DX Centurion, the grand-daddy of

them all. Most DXers find that the first hundred countries in the quest go pretty quickly. Then each country seems to get progressively more difficult and hope seems to dim that 150 will ever be reached. When 150 countries are finally heard (and verified), things really slow down—that last 50 can take the rest of your life in the hobby. If you feel this way, you are in good company, but there are folks who have made it. Since the awards program started in May 1974, NASWA has created 178 DX Centurions, 71 Senior DX Centurions and 31 Master DX Centurions. Master DX Centurion #1 is Don Jensen; the rest of the folks, in order, are Gerry Dexter, Richard Pistek, Dan Henderson, Al Sizer, Merlyn Field, Jerry Berg, Kent Magill, Gordon Darling, Al Miller, Ed Kusalik, Tom Gavarar, John Sgrohrtta, Chris Stark, Bill Flynn, Gerry Bishop, Harold Cones, Roland

Schultz, Vern Hyson, Terry Palmershein, John Herkimer, Sheryl Paszkiewicz, Dave Valko, Richard Davis, Paul Buer, Steve Lare, Rick Krzemien, John Wilkins, Joe DiLeo, Bill Matthews and Stephen Pitts.

So you see, it can be done. It takes lots of work, careful researching and a lot of patience, but you are in good company. Most award-getters suggest that you work especially hard on the "twooffers"—the countries you can count for two (or even three) NASWA awards. Hang in there and I will look forward to seeing your name on the Master DX Centurion list some day soon.

Stay cool—and a good way to do that is to think about the next Winter SWL Fest in Kulpville. 

RADIO STUFF SALE! Ten pages of books, magazines, bulletins, booklets, lists, bumper stickers, radio station items, etc. Send \$1.00 or a two-stamp SASE for the list. Gerry Dexter, 213 Forest Street, Lake Geneva, WI 53147.

FOR SALE: NRD-525 with NVA-88 speaker, keypad controller (per FT-1991), service manuals and original boxes. Price \$700.00 or best offer. Terry Palmersheim, 16511 NE 92nd Street #C-17, Redmond, WA 98052.

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to more than 480 WRTH transmitter sites including Russian republics. ITU Country Codes included. Send your location or coordinates and \$8.00. Also 1996 NASWA Journals complete, \$16.00. "Passport to World Band Radio" 1996, \$10.00. WRTH '91, \$5.00. WRTH '96, \$10.00. All items include shipping (overseas shipping extra). Cashiers check or money order only, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398 (not collect). E-mail <ADrehman@juno.com>.

FOR SALE: Drake R-8 receiver with Kenwood SP-31 speaker, controller software, CPU cables, and operating manual. Price is \$500.00 plus \$15.00 shipping. Will also include the trap antenna and 60+ feet of excellent cable if you pay the additional postage. Marino Wilson, 51 Broadway, Milford, CT 06460. Phone (203) 877-1173.

Listener's Notebook

Al Quaglieri
P.O. Box 888
Albany, NY 12201-0888
FAX: (518) 453-0864
Internet: alcue@albany.net

HI PEOPLE! DX season has returned with a vengeance, and we have the LN to prove it. Muchas gracias to all our contributors!

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ANGOLA 7090, "Vorgan" 0558-0610, in PP with music, ID, adverts, news, long path reception. spoiled by some amateur tx. (2-Aug/Kecskes/DSWCI DX-Window/Krone-DEN) Stumbled across very strong **VORGAN** (now calling itself "Programcao Nacional da VORGAN") on their old 7090 kHz around 0500 to past 0600 when the noise started getting the best of them. Programming is fast-paced mix of Western & African pop mx with lots of produced ID's and snappy dj. (21-Aug/Quaglieri-NY) Heard on the BBC etc that Unita wanted as a condition for their radio station to function as a normal broadcaster. Guess this is it. Maybe Savimbi will have some form of income! (Goonetilleke-SRI) Sked:

0450-0900	Port/Vern	7090v
1050-1430	Port/Vern	9770
1650-2100	Port/Vern	5985

(BBCM)

ARGENTINA 6059.93 **Radio Nacional**, Buenos Aires, 0900-0906 f, Oracion matinal, then into news flash. (21-Jul/Nozaki-JPN/Relampago DX)

8098.00 LSB **FM Feeling 100.7**, Buenos Aires, 2040-2230(f/out) fair signal, Many publicity for TV Canal 9 were heard. At 2058 announced ID as a presentation of news flash as "Informa Feeling FM 100.7 (cien punto siete)" by W. Nx with weather report was broadcast every 30 minutos, i.e. at 2058-2100, 2129-2130, 2159-2201, and 2230. The station slogan was also announced as "Feeling FM 100.7 un lugar de siempre, puro sentimiento." (3-Aug/Nozaki-JPN/Relampago DX) 8098L **Aspen 102**, Aug 23, 0430-0501, tentatively the relay, w/ Rolling Stones' "Bitch" at t/in, SS M dj mnt'd "As-PEEN" once, then ad block, SS pop mx, M&W chatter across the hour. No signal transmitted on the USB side at this time. Good. (23-Aug/Krueger/DSWCI DX-Window/Krone-DEN)

8098.00 LSB **Radio Rivadavia**, Buenos Aires, 0937-1000 f, sports news hosted by M and W. Canned ID was given at 1000 as "Via satellite cubriendo todo el pais, transmite LS5 Radio Rivadavia...Buenos Aires, Argentina." (09-Aug/Nozaki-

JPN/Relampago DX) Here the following information about a MW station from La Plata city that broadcast on Sundays (local time day) through SW frequencies his program called "De Coleccion" (of collection) in Spanish and // MW 1270 khz, on Sun *2300 up to Mon 0200 hours. This program is beamed to Antarctica on SSB mode. The station is only in one or two of the following frequencies, please look: 3390, 4469, 5400, 5415 & 8098 khz. When there is soccer transmissions, the transmission of the program start with some time delay. (This information is supplied by Raymundo Cruz from La Plata city, and according to Jorge Aloy, the station also is on 13361 or 13365 khz). I talked by phone today with Mr. Jorge Bourdet, editor of the program, and he inform me that between 0115-0130 hours, they have a phone contact with his listeners directly to the air in a segment called "charla con los oyentes, la distancia tiene premio" (talking with the listeners, the distance have award) at the phone number 54-21-270507, or 54-21-216607 where the award is a cassette recorded with this same conversation that after is sent to the listener. The well of this new, is that the program will confirm all reception reports about this transmission on SW frequencies with a very nice QSL with full details (as freq., date & time). A good chance for to confirm other argentine station on SW. Please send your reception reports to: "De Coleccion;" Sr. Jorge Bourdet; Casilla 96; 1900-La Plata; Argentina, and please, include 2 IRCs. As final comment, Mr. Jorge Bourdet also is in charge for the program "Con cierto estilo" (with certain style) broadcast from Mon to Fri at 2200-2400 on the same station. (Barrera-ARG)

11132.8 LSB **Aspen 102**, a FM station from Buenos Aires, heard at 0043 with usual pgrms of FM 102.3 Mhz on 16/8. On USB R. Rivadavia heard at 1830-1900+ football transmission in // to 630 khz MW on 16/8. (Pugliese-ARG/Barrera-ARG)

ARMENIA/AZERBAIJAN A new independent radio station, **Voice of Justice**, broadcast its first programs in the Azerbaijani language in Stepanakert

on 12th August. The station is the brainchild of a group of Artsakh [Karabakh] journalists. The station, the first non-state independent radio service in the Nagorny Karabakh Republic, aimed to establish a dialogue between Armenians and Azerbaijanis and thereby to help speed up the process of a just settlement of the Karabakh problem.

Sked is 1900 and 0600 Tu/Th on 9677 kHz. (13-Aug/Armenpress News Agency/ BBCM/DSWCI DX-Window/Krone-DEN)

AUSTRALIA *Radio Australia* sked:

0000-0100	English	17795 17750 15510 13755 13605 12080
0000-0100	Vietnamese	15415
0100-0200	English	17795 17750 15510 15415 13755 13605 12080
0200-0400	English	17795 17750 15510 15415 15240 13605 12080
0400-0500	Chinese	17750 15415 Mo-Fr
0400-0500	English	17795 17750-x(SaSu) 15510 15240 13605 12080
0500-0600	Cambodian	17750 15415
0500-0600	English	17795 15515 15240 13605 12080
0600-0800	English	21725 17750 15510 15415 15240 13605 12080
0800-0830	English	21725 17750 15510 15415 12080 9710 9580 5995
0830-0900	English	17750 15510 12080 9710 9580 5995
0830-1100	Indonesian	9770 6080
0900-1000	English	11880 9580
0900-1200	Tok Pisin	9710 6020 5995
1000-1100	Cambodian	11880
1000-1100	English	9580
1100-1200	English	9580 6080
1100-1330	Chinese	11880 9435
1200-1500	English	9415 6080 5995 5870
1330-1500	Vietnamese	11660 9435
1500-1700	English	11660 9435 9415 6080 5995 5870
1700-1800	English	11880 9435 9415 6080 5995 5870
1800-2000	English	11880 9435 9415 7240 6080 5995
2000-2100	English	11880 9435 9415 5995
2000-2100	Tok Pisin	7240 6080
2100-2130	English	17795 12080 11880 9660 9435 9415 7240 5995
2130-2400	Indonesian	15415
2130-2200	English	17795 13755 12080 11695 9660 9435 7240
2200-2300	Chinese	17750
2200-2300	English	17795 15510 13755 11695
2300-2400	English	17795 17750 15510 13755 12080 11695

(BBCM) [Note: this sked compares favorably—but not exactly—with a printed sked dated 28 July, submitted by Bob Fraser-MA. Since I suspect the

truth lies between the two, I'll go with this one until I can sort it all out.—AQ]

BENIN 7190 *ORTB*, Parakou 2213 Here again instead of 5025 with extended highlife vocal and a nice signal. They seem to use 7190 only on weekends, and sporadically at that. (23-Aug/Hill-MA)

BOLIVIA 4552.33 *Emisoras Tropico*, 1020-1030, just noted comments from a man during period. Signal was threshold and faded to nil by 1030. (18-Aug/Bolland-FL/DSWCI DX-Window/Krone-DEN)

4599.29 *Radio Emisoras Villamontes*, 1050-1100 p, "Amanecer Chaqueno." (19-Jul/Nozaki-JPN/Relampago DX)

4777.73 *R. Los Andes*, 1035-1050, Man in comments followed by typical music. ID given at 1042. Signal peaked around 1040 to 1042 then dropped out completely. (20-Aug/Bolland-FL/DSWCI DX-Window/Krone-DEN)

4855.0 *R. Centenario*, Sta. Cruz, 0050-0110, SS, sport talks & reports 25333 (3-Aug/Korinek-RSA/DSWCI DX-Window/Krone-DEN)

4864.4 *R. 16 de Marzo*: Oruro, 0110-0125, SS, local popular songs, ann's 25322 (3-Aug/Korinek-RSA/DSWCI DX-Window/Krone-DEN)

4926.5 *R. San Miguel*, 1004-1010, Just noted comments from a man during the period. Signal was fair (18-Aug/Bolland-FL/DSWCI DX-Window/Krone-DEN)

4945.02 *Radio Illimani*, La Paz, 1104-1108 f, Canned ID "Illimani, emisora del estado boliviano," then carnavales. (20-Jul/Nozaki-JPN/Relampago DX)

6085.2 *R. San Gabriel* (p) 0934 in presumed Aymara with emphatic narrative punctuated by shouting, crowd noises, and brief march themes. Bothered by rushing/roaring noise, probably from Anguilla on 6090, which made an echo announcement at 0947 in Spanish unreadable. Buried at 0951 by WYFR carrier. (18-Aug/Hill-MA)

6194.6 *R. Carlos Palenque*, 0905, in Aymara and Spanish. Undermodulated. (9-Aug/Klemetz-COL/Dateline Bogota)

BRAZIL 4755.1 *R. Educ. Rural*; Campo Grande, 0235-0245, PP, rhythmic mx, adverts, ann's, words of inspiration (16-Aug/Korinek-RSA/DSWCI DX-Window/Krone-DEN)

4845.2 *R. Cultura Ondas Tropicais*; Manaus, 0140-0215, PP, light local pops, ann's, short talks; also ID: Canal 2 (16-Aug/Korinek-RSA)

4865.0 "Sentinela da Amazonia transmitindo de Obidos, Para, levando o mensagem de Cristo..." 0955. But you'll never know what's cooking on this

fgy, as on Aug 18, 0040, another id was heard: "ZYH204 940, ZYF203 4865 kHz, emissoras da Fundacao Verdes Florestas, Cruzeiro do Sul, Acre, Brasil." (15-Aug/Klemetz-COL/Dateline Bogota)

4925.0 *Radio Difusora Taubate* has fixed up its transmitter and resumed transmissions on July 28th, using 500 Watts, 24 hours per day. The antenna is not yet in perfect conditions. They are still working on it, to increase power to 1 kW. QTH is Rua Dr. Souza Alves 960, Taubate SP Brazil, zip 12020-030, phone +55 (12) 232-8122. Technical contact is Mr. Tom. (de Castro-BRZ)

11794.4v *R. Guaiba* 0226 Still here, up from nominal 11785v, with segued EZL instrumentals till 0258, when long ad string concluded at 0303 with ID, "Emissoras brasileiras, de ondas medias e curtas, Radio Guaiba, Porto Alegre, Rio Grande do Sul." Into "Noturno Guaiba," a program of Brazilian light pop vocals. Had five pips every 15 minutes on the quarter-hour, half-hour, and hour. (24-Aug/Hill-MA)

CANADA The Canadian government has announced it will provide *Radio Canada International* with ongoing annual funding, beginning in 1998 and 1999. Canada's Department of Foreign Affairs and the Heritage Ministry say they are ensuring RCI's future with 15.52m Canadian dollars a year. The funding fulfills a promise the government made last December. (19-Aug/RCI/BBCM/DSWCI DX-Window/Krone-DEN)

CHINA *Shanghai People's Broadcasting Station* ("Voice of Pujiang") Identification in Standard Chinese: "Pu-Jiang Zhi Sheng Guang-Bo Dian-Tai" ("Voice of Pujiang Broadcasting Station"). Address: 2 Beijing Road East, Shanghai or PO Box 3064, Shanghai 200002
0955-1400 Chinese 7115 4950 3280
(BBCM)

CPBS First Program:

0000-0100	Chinese	15550 15390 12120 12030 11800 9290 9080 7504 7345 7290 6840 6750 6295 6125 6030 5995 5915 5880 4850
0100-0300	Chinese	17605 15550 15390 12120 12030 11825 11800 9290 7504 7290 6840 6030 4850
0300-0600	Chinese	17605 15550 15480 15390 12120 12030 11825 11800 9290 7504 7290 6840 6180 6030 4850
0600-0855	Chinese	17605 15550 15480 15390 12120 12030 11825 11800 9290 7505 7315 7290 6180 6030 4850
0855-1000	Chinese	17605 15550 15480 15390 15250 15160 12120 12030 11825 11800 9290 7540 7315 7290 6840 6180 6030

1000-1100	Chinese	17605 15550 15390 15250 15160 12120 12030 11825 11800 9290 7504 7290 6840 6180 6030 5030
1100-1130	Chinese	15550 15390 15250 12120 12030 11825 11800 9290 9080 7504 7290 6840 6750 6180 6125 6030 5880 5030
1130-1200	Chinese	15390 15250 12120 11825 11800 9290 9080 7504 7290 6840 6750 6180 6125 6030 5880 5320 5030
1200-1300	Chinese	15250 12120 11825 11800 9800 9290 9080 7935 7504 7290 7170 6840 6750 6180 6125 6030 5880 5320 5030
1300-1330	Chinese	15250 12120(-1335) 11825 11800 9800 9290 9080 7935 7504 6840 6750 6180 6125 6030 5880 5320 5295 5030
1330-1345	Chinese	15250 12120(-1335) 11825 11800 9800 9290 9080 7935 7504 6840 6750 6180 6125 6030 5880 5320 5295 5030 4460
1345-1735	Chinese	15250 11800 9800 9290 9080 7935 7504 7345 6840 6750 6180 6125 6030 5880 5320 5295 5030 4460
1958-2235	Chinese	11800 9290 9080 7935 7504 6840 6750 6295 6180 6125 * 6030 5995 5915 5880 5320 5295 5030 4850 4460
2235-2300	Chinese	12120 11800 9290 9080 7935 7504 6840 6750 6295 * 6180 6125 6030 5995 5915 5880 5320 5295 5030 4850 4460
2300-2400	Chinese	15550 12120 11800 9290 9080 7935 7504 7290 6840 6750 6125 6030 5995 5915 5880 5030 4850

CPBS Second Program

0000-0030	Chinese	15500 11740 11610 10260 9775 9755 9064 4800
0030-0100	Chinese	15500 11740 11630 11610 9775 9755 9064 4800
0100-0200	Chinese	17700 15500 11630 11610 11040 9775 9755 9064 4800
0200-0600	Chinese	17700 15500 11610 11040 9064
0600-0955	Chinese	17700 15500 11610 11040 9064 Su/Mo/Tu/Th/Sa
0955-1100	Chinese	17700 15500 11610 11040 9755 9064 4800
1100-1200	Chinese	17700 15500 11630 11610 9775 9755 9064 7516 7440 6890 4800
1200-1300	Chinese	15500 11630 11610 10260 9775 9755 9064 7770 7516 7440 6890 4800

1300-1600	Chinese	15500 11630 11610 9775 9755 9064 7770 7516 7440 6890 4800	0600-0700 Thai 15345 15270 0700-0800 Chinese 7130 0700-0800 English 5950W 0900-1000 Chinese 15345 15270 11915 11745 9610 7445
2058-2230	Chinese	11740 11630 11610 10260 9064 7770 7516 6890 5163 4905	1000-1100 Amoy 15345 15270 11745 9610 7130
2230-2330	Chinese	11740 11630 11610 10260 9775 9064 7770 7516 6890 5163 4905 4800	1000-1100 Cantonese 11915 7445 7285 1100-1200 Cantonese 15270
2330-2400	Chinese	15500 11740 11610 10260 9775 9064 6890 4800	1100-1200 Hakka 15345 11860 1100-1200 Japanese 11745 7130 1200-1300 Chinese 15270 11745 1200-1300 English 9610 7130 1200-1300 Indonesian 15345 11550 1300-1400 Cantonese 15345 11550 1300-1400 Japanese 11745 7130 1400-1500 Amoy 11745 7130 1400-1500 Hakka 15345 11550 1500-1600 Thai 9610 7130 1500-1600 Vietnamese 15345 11915 1700-1800 Russian 9955 1800-1900 German 9955 1900-2000 Chinese 17750W 15600W 9985 9955

Broadcasts for National Minorities

0000-0026	Tibetan	15670 11630 11375
0030-0056	Uighur	15670 11375 10260
0100-0126	Kazakh	15670 11375 10260
0430-0456	Korean	9920 9775 8566
0500-0526	Mongolian	9920 9775 8566
0530-0556	Tibetan	15670 11630 11375
0600-0626	Uighur	15670 11375 10260
0630-0656	Kazakh	15670 11375 10260
1000-1026	Korean	9920 9775 8566
1030-1056	Tibetan	15670 11630 11375
1100-1126	Uighur	15670 11375 10260
1130-1156	Kazakh	15670 11375 10260
1200-1226	Korean	9775 5420 4190
1230-1256	Mongolian	9775 5420 4800 4190
1300-1326	Tibetan	15670 11630 11375 4035-Lhasa
1330-1356	Uighur	15670 11375 10260 4735-Urumqi
1400-1426	Kazakh	15670 11375 10260 4330-Urumqi
1430-1456	Mongolian	15670 11375 10260 5060-Urumqi
2130-2156	Korean	9775 5420 4190
2200-2226	Mongolian	9775 5420 4800 4190

(BBCM)

CHINA VIA -?-?- 7175 CRI Relay 2153 Unlisted relay // 7800 with French at tune-in; "East Is Red" at 2200, followed by Chinese ID and talk till 2255*. Since it doesn't have the characteristically awful Mali audio, it's probably originating from one of the European sites. (13-Aug/Hill-MA)

CHINA—TAIWAN Voice of Free China (VOFC) sked:

0100-0200	Chinese	17845W 15215W 11825 9845 9610
0100-0200	Japanese	15345 11745
0200-0300	English	15345 11825 11740 9680 7130 5950W
0200-0300	Spanish	17845W 15215W
0300-0400	Amoy	11915 7130
0300-0400	English	15345 11825 11745 9680 5950W
0400-0500	Chinese	15345 15270 11825 7130 5950W
0500-0600	Cantonese	15345 15270 11915 11825
0600-0700	Indonesian	11915 11825 7130

2000-2100	Arabic	11550 9630
2000-2100	French	15600W 9610 9510
2100-2200	German	17750W 15600W 9610
2100-2200	Spanish	9610
2200-2300	English	17750W 15600W
2200-2300	Thai	15345 7445
W-via WYFR (BBCM)		

CLANDESTINE—ASIA Democratic Voice of Burma (Burmese: "Democratic Myanmar a-Thán") is hostile to the current Burmese government. Broadcasts are currently via transmitters in Norway and Germany, as indicated below. Address: PO Box 6720, St Olavs Plass, 0130 Oslo, Norway.

1245-1345	Burmese*	15330-Germany
1430-1455	Burmese*	11850-Norway

* including Shan, Karen and Kayan dialects (BBCM)

Voice Of The People is believed to broadcast from transmitters in South Korea although it claims in its announcements to broadcast from Pyongyang. Station identification: "This is the Voice of the People coming to you from Pyongyang" (Korean: "Yogi-nun Pyongyang-eso ponaedurinun inminuisoribang-imnida").

0300-0700	Korean	6600
1100-2100	Korean	3912
2300-0100	Korean	6600 6518

(BBCM)

CLANDESTINE—LATIN AMERICA 6259.2 Voz de la Resistencia, 2158-2230, considerably weaker than R. Patria Libre. Opening music followed by ID, 2207, "Transmite Voz de la Resistencia, Comando conjunto occidental. [music] Fuerzas Armadas Revolucionarias del Pueblo, Farc-EP." ID in conjunction

with instrumental version of "Mi Buenaventura" as a cue, at 2211, 2215, 2221 and 2225, before, between and after three spoken political commentaries. ID at 2225 went "Transmitio Voz de la Resistencia [etc]. Los esperamos en una proxima emision. Gracias. Hasta pronto." Transmission ended by a 4-minute vocal version of "La Internacional."- This station has not been heard since Sept 1996. (2-Aug/Klemetz-COL/Dateline Bogota)

CLANDESTINE—MIDEAST 4085 VO the Kurdish People; Sulayman, 1940-1955, Arabic. Very shrill Arabic music. Male with comments on MidEast news items. 32232 (17-Aug/Clemitsen-KS/DSWCI DX-Window/Krone-DEN)

4090 V.O. *Iraqi Kurdistan*, 1818, Arabic with ID at 1822. Fair (23-Aug/Krone-DEN/DSWCI DX-Window)

4105.9 V.O. *the People of Kurdistan*, 1805-1818*, Arabic, incl. orchestral version of Beatles "Let It Be." final ID 1815. Fair. (23-Aug/Krone-DEN/DSWCI DX-Window)

5900.0 *Democratic V. of Iran*, 1730-1750, Farsi ann's, nx, talks 34433 (17-Aug/Korinek-RSA/DSWCI DX-Window/Krone-DEN)

Voice of Rebellious Iraq (Arabic; Sawt al-Iraq al-Tha'ir; Kurdish: Dangi Iraqi Shurashgar) supports an Iranian-sponsored Shi'i group, the Supreme Assembly of the Islamic Revolution in Iraq (SAIRI), and is hostile to the current Iraqi government. Addresses: PO Box 11365/738, Tehran, Iran; PO Box 37155/146, Qom, Iran; PO Box 36802, Damascus, Syria
1200-1430 Arabic/Kurdish 6050-(6030-6090v)
(BBCM)

CLANDESTINE—RADIO FREE ASIA 5930 R. Free Asia 2230 Announcement, "This is Radio Free Asia. The following program is in Lao." And by golly, so it was. Also noted // 9365 two evenings later. Both outlets rather strong, no doubt originating from somewhere in Europe or perhaps Armenia. (22-Aug/Hill-MA)

KNLS at first denied relaying RFA (as reported last month, but the question of whether KNLS is transmitting Radio Free Asia has now been resolved thanks to this further note from Mike Osborne to Glenn Hauser: "I owe you an apology. It seems that KNLS is broadcasting for RFA and has been doing so since January. In December I left the full time staff and now provide English language programming to the ministry as a contract service. I work out of my home. Obviously, I'm a little further out of the loop than I thought." (WOR #906/Hauser)

Sked from 18 August:

0030-0130	Burmese	11580
0030-0130	Burmese	13710

0030-0130	Burmese	11600
0030-0130	Burmese	11590
1130-1230	Lao	15170
1130-1230	Lao	17805
1130-1230	Lao	9905
1130-1230	Lao	13685
1300-1400	Tibetan	11575
1300-1400	Tibetan	11590
1400-1500	Vietnamese	9930
1400-1500	Vietnamese	9455
1400-1500	Vietnamese	11540
1500-1600	Burmese	11530
1500-1600	Burmese	11590
1500-1600	Mandarin	11945
1500-1630	Mandarin	9445
1500-1700	Mandarin	9905
1500-1800	Mandarin	11955
1500-1800	Mandarin	11540
1530-1630	Korean	9980
1530-1630	Korean	5855
1530-1630	Korean	15660
1600-1800	Mandarin	11945
1630-1800	Mandarin	9455
2100-2200	Mandarin	9795
2100-2200	Mandarin	9905
2100-2200	Mandarin	15515
2100-2200	Mandarin	11765
2100-2200	Mandarin	9725
2100-2200	Mandarin	9420
2200-2300	Korean	9395
2200-2300	Korean	9455
2200-2300	Korean	15515
2200-2300	Korean	7470
2200-2300	Korean	11785
2200-2300	Lao	5930
2200-2300	Lao	9365
2200-2300	Lao	9725
2200-2300	Lao	9940
2300-2400	Mandarin	9940
2300-2400	Mandarin	9420
2300-2400	Mandarin	11785
2300-2400	Mandarin	13800
2300-2400	Mandarin	15515
2300-2400	Tibetan	9365
2300-2400	Tibetan	7410

(Goonetilleke/UADX/DSWCI DX-Window/Krone-DEN)

COLOMBIA 2460.4h R. Viva. Pasto, 0954, request session. (9-Aug/Klemetz-COL/Dateline Bogota)

4915.0 *Armonias del Caqueta*, 1954-2110 with Colombian popular music, ToH id as follows: "Desde Florencia, primera ciudad de la Amazonia colombiana emite su senal Armonias del Caqueta, HJVK 970 kHz onda larga, 30,000 vatios de potencia en canal preferencial y 4915 kHz onda corta en la banda internacional de 60 metros. Armonias del Caqueta, un faro de orientacion religioso y cultural para Colombia y el mundo." (17-Aug/Klemetz-COL/Dateline Bogota)

4975.0 *Ondas del Orteguzaza*, 2210 *Atardecer campesino*. (12-Aug/Klemetz-COL/Dateline Bogota)

5076.82 *Caracol Bogota*, 1008, Fair signal. Bole-ro romantico. ID "Desde Santa Fe de Bogota, Caracol presenta la mejor musica de Colombia." (23-Aug/Nozaki-JPN/Relampago DX)

6014.88 *R. Mira*, Tumaco, Nariño, 1110+, finally ID'd, station didn't appear before 1100 as usual to-day, but noted with rosary in progress 1110. Into CARACOL news at 1130; 1134 fanfare and canned ID by M: "Esta es Radio Mira...CARACOL, mil ciento noventa kilohertz, desde Tumaco...CARACOL, mas compania..." (20-Aug/Novello-NC)

6063.8 *Colmundo*, 0627, SS ID, adv. Weak, but clear (22-Aug/Krone/DSWCI DX-Window)

6115.2 *La Voz del Llano*, has stepped down half a kHz. They moved to 6115.8 in Mar 95, trimmed the fqy 0.2 kHz down in Jun of same year. (Klemetz/Dateline Bogota/DSWCI DX-Window/Krone-DEN)

COMOROS I have spoken with the Director of R. Comoro, who told me that they hope to fix their shortwave transmitter and have it back on the air two months time. Frequency remains 3331 KHz, scheduled from 0300-1900 in in French, Arabic and Comoro language. Station phone is 269 73 25 31. (Vaghgee-MAUR)

CROATIA *Croatian Radio*, Zagreb:

0000-0300	English/ Croatian	5895
0100-0300	Spanish/ Croatian	9520-Germany
0300-0400	English/ Croatian	6045-Germany 5895
0400-0500	English/ Croatian	9495 5920 5895
0500-0600	Croatian*	13830 9830 7165 5895
0600-1100	Croatian*	13830 9830 7165 5920
0900-1100	English/ Croatian	9470-Germany
1100-1500	Croatian*	13830 7165 5920
1500-1800	Croatian*	13830 7165 5895
1800-1900	Croatian*	13830 9595-Germany 7165 5895
1859-2200	Croatian*	11635 9595-Germany 7165 5895
2200-2400	English/ Croatian	11635 5895

*-relay of Studio Zagreb First Program, including 5 minutes of English news at 0605, 0705, 0805, 0905, 1205 and 1805. (BBCM)

CZECH REPUBLIC The future of the foreign service of *Radio Prague* in unclear. The budget for 1998 will be cut by 25% and the rumours say that only the Czech and English sections remain on SW,

while the German, French and Spanish sections should go to Internet. But there is still time for the final decision, which we can expect in September or October. (Honzik/DSWCI DX-Window/Krone-DEN) Update: On 29/7 the Radio Prague German service reported that Radio Prague's German, Spanish and French services will dropped by the end of the year. That would leave only English and Czech on short-wave for Radio Prague. Will not go into effect for another 5 months. (2-Aug/VOA Communications World/Ogrizek/EDXP/Padula-AUS)

DOMINICAN REPUBLIC 4788.4 *Onda Musical* 0034 Up from previous 4779v with a whopping signal in mixed bag of ranchera music, romantic ballads, and birthday greetings and mensajes. ID text at 0058 copied as "Informativa y directiva, esta es la inconfundible Onda Musical, con tu moda y mas." (18-Aug/Hill-MA)

ECUADOR 2480.3h *R. Sonorama*, Riobamba, 0959 s/on. (9-Aug/Klemetz-COL/Dateline Bogota)

4879.7 *Radio Nacional Espejo*, Quito 0255-0306 music, jingle with ID. No announcements. (26-Aug/Veldhuis-HOL)

5050.5 *Emisoras Jesus del Gran Poder* will be back in a couple of weeks, per Mariela Villarreal and stn mgr. Padre Angel Falcon. Tx was damaged when lightning struck some time ago. When back on the air they will no longer carry Francisco Estereo programming. (Klemetz-COL/Dateline Bogota)

EQUATORIAL GUINEA Re ">>15185.78, *Radio Nacional*; Bata, Jul 21, 1055, surprised to find this channel carrying Bata, and at this time of the morning. Lousy signal, ID'ed with frequency list at 1057 while I was still tuning it in, but SS-speaking M gave 5005 kc/sec and an FM frequency of 98.00. (Novello):" According to the last official information I received from this country, it appears that the transmitters used by Radio Africa are leased from Radio Nacional, as the official answer gave information on both stations. The time of the logging, 1055, is just before the scheduled 1100 s/off of Radio Africa #2, but this station does not seem to stick to an exact schedule. I imagine that programs either finished early, or there was a technical problem, or maybe a switching error. What is odd is that the program was the one from Bata and not Malabo. It is still very unclear exactly what times of the day Bata and Malabo have separate programming...from Jay's report of the announcement, it would seem only Bata frequencies were given. I wonder if Malabo 6250 really does operate all day or if it's only on limited hours. Any follow-ups would be appreciated (Sennitt/DSWCI DX-Window/Krone-DEN)

GERMANY Some *Deutsche Welle* changes, taken from newly published program magazine for both

radio and TV, latter in German, English, and Spanish. German: Delete Novosibirsk 7340 2200-2400 to EaAS/FE; Delete Trincomalee 9655 1800-2155 to SoEaAS/OCE; Antigua replace 15275 by 15285 1200-1400 to LatAM & Ce+NoAM; NEW Bulgarian segment 1830-1920 6170 7125 7255 9615; 15105 replaced by 15470 Chinese 1330-1355 via Wertachtal; Indonesian 1400-1425 via Nauen; English 0200-0250 delete 11945 via Nauen, to SoAS; 2100-2150 9765 replaced by 9665 via Wertachtal, to SoEaAS/OCE; Japanese 1230-1300 17820 replaced by 11765 via Trincomalee; Persian 1700-1750 delete 11705 via Trincomalee; Spanish 2300-0050 delete 11810 via Nauen. (27-Jul/Bueschel/BCDX/EDXP/Padula-AUS)

GREECE *Voice of Greece*, now including relays via domestic VOA sites:

0000-0350	Greek/English	9935 9420 7450 6260
0400-0555	Gk/Turkish/AA	15650 9420 9375 7450
0600-0800	Greek/English	11645 9775D 9425 7450 7430
0900-0950	Greek	15650 15415 9775D
1000-1150	Greek/Turkish	9915 9425
1200-1250	Greek/AA/EE	11645
1200-1350	Greek/English	15630 15175 9590G 9375
1300-1350	Greek/Russian	11645
1400-1450	Greek/Arabic	15630 11645 9420 7430
1500-1700	Multilingual*	11645 11575 9420 9375
1710-1750	GK/Polish/RR	15630 11645 9425 9375
1800-1850	Greek/English	15150 11645
1800-2050	Greek	9420 7450
1830-2200	Multilingual	17745G 11730D (test xmsn)
1900-1915	Albanian	9380 7430
1915-1930	Serbo-Croat	9380 7430
1930-1940	Bulgarian	9380 7430
1940-1950	Romanian	9380 7430
2000-2010	Greek	9380 7430
2010-2020	French	9380 7430
2020-2030	German	9380 7430
2030-2040	Italian	9380 7430
2040-2050	Swedish	9380 7430
2100-2150	Greek	7450 6260
2100-2250	Greek/English	9425 7480
2150-2250	Greek	6260
2200-2300	Greek	9395
2300-2350	SS/English/PP	11595 9935 9425 9395

10-minute English segments air at 0130, 0330, 0745, 1240, 1330, 1840, 2000, 2240 and 2335.* includes 10-min news segments in Greek (1500), Albanian (1600), Serbo-Croat (1615) and Bulgarian (1630) D=via Delano, USA G=via Greenville, USA (BBCM)

GUYANA 3289.98 *GBC* 0510-0525, fair w/ M local Friday Caribbean events review. No trace of 5950.51, which must have been reactivated as the alternate freq for a very brief period (per my Aug 20 log below). (23-Aug/Krueger/DSWCI DX-Window/Krone-DEN)

5950.52RF *GBC* 0353-0415, & 0704-0715, noted accented EE M, light piano mx very poor in het against WYFR/V of Free China, subcontinental vocals after 0400 and no trace of 3290, thus suspected this was Guyana, but no ID. Recheck 0704, strong signal w/USA Radio News satellite feed in progress till 0706, M GBC ID/TC into Michael Bolton song. Still no trace of 3290. It's been quite a while since they were here, I believe, and used to be around 5950.12 then. (20-Aug/Krueger/DSWCI DX-Window/Krone-DEN)

INDIA 3223 *AIR Shimla* 1732-1733 Weak signal under UTE-QRM. English news bulletin. (23-Aug/Veldhuis-HOL)

4950 *AIR Srinagar* 1716-1731 Native music, male speaker in vernacular, ID, TS, ID and EE news by W. (23-Aug/Veldhuis-HOL)

INDONESIA 2490.4 *RRI Ujung Pandang*, 2115 early Sunday morning Christian prgm./4753.4. (16-Aug/Foster/Numero Uno/Jembatan DX/Yamada-JPN)

3121.8 *RSPDT2 Halmahera Tengah*, 1405 local pops program, off @usual 1432*. Poor. (24-Jul/Yamada-JPN/Jembatan DX)

3214.8 *RRI Manado*, 1403 local pops, suddenly s/off at 1405*. Fair. (16-Aug/Yamada-JPN/Jembatan DX)

3224.8 *RRI Tanjung Pinang*, 1133 local news by M. Poor. (17-Aug/Yamada-JPN/Jembatan DX)

3231.8 *RRI Bukittinggi*, reactivated, 1625 telephone conversations, sudden s/off at 1632* (new?), back to usual frequency at this time. Poor. (16-Aug/Yamada-JPN/Jembatan DX)

3232.2 *RRI Bukittinggi*, 1453 National music, 1459 SCI, 1500 Jakarta news relay. Fair. (16-Aug/Yamada-JPN/Jembatan DX)

3264.0 *RRI Bengkulu*, 1532-1600*, Talk followed by nice slow Indonesian music. 1600 talk by man-ID and very short IS, off. (22-Aug/Vaghjee-MAUR/DSWCI DX-Window/Krone-DEN)

3325.0 *RRI Palangkaraya*, 1407 M local news, 1421 "Siaran Pendidikan." Fair. (16-Aug/Yamada-JPN/Jembatan DX)

3344.9 *RRI Ternate*, 1358 M ID "Radio Republik Indonesia Ternate." 1359 tp's, then local news entitled "Sari Berita." Fair. (17-Aug/Yamada-JPN/Jembatan DX)

3355.4 *RRI Jambi*, noted 2200 with strong signals and ID just before the nx in Indo. Another weak signal also on channel is an Indonesian which I believe to be Sumenep. Jambi is the much stronger of the two here. (14-Aug/Tyson/PWBR/Numero Uno/Jembatan DX/Yamada-JPN)

3395.1 **RRI Tanjungkarang**, 1543 Javanese traditional music, 1559 SCI, 1600 Jakarta news relay. Poor. (16-Aug/Yamada-JPN/Jembatan DX)

3635.8 **RPDT2 Buol**, 1155-1400 (1-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN)

3905.0 **RRI Merauke**, 1350 local pops, off 1359*. Fair. (16-Aug/Yamada-JPN/Jembatan DX)

3959.7 **RRI Palu**, 1953-2012, lagu populer, ID, 1958 ry Jakarta rx, then lagu populer again. (15-Jul/Finn Krone via Numero Uno/Jembatan DX/Yamada-JPN)

3976.0 **RRI Pontianak**, 1428 M ID "Radio Republik Indonesia Pontianak, Programa Regional," then local pops. Good. (16-Aug/Yamada-JPN/Jembatan DX)

4000.1 **RRI Kendari**, 1059 IS from RRI Ujung Pandang. 1100 time pips, then local news ("Warta Berita") relayed from RRI Ujung Pandang. Fair. (16-Aug/Yamada-JPN/Jembatan DX)

4003.2 **RRI Padang**, 1332 "Siaran Pendidikan." Fair. (16-Aug/Yamada-JPN/Jembatan DX)

4606.4 **RRI Serui**, 1445 local pops, 1450 M ID "Radio Republik Indonesia Stasiun Serui," then local pops. Fair. (16-Aug/Yamada-JPN/Jembatan DX)

4696.9 **RKIP Surabaya**, 1502 Jakarta news relay. Poor. (16-Aug/Yamada-JPN/Jembatan DX)

4753.3 **RRI Ujung Pandang**, 1148 tk & local music, 1159 W ID "siaran Programa Satu, Radio Republik Indonesia Nusantara Empat Ujung Pandang," then Jakarta news relay. (17-Aug/Yamada-JPN/Jembatan DX)

4777.1 **RRI Jakarta**, Kebayoran, 1836 all night wayang kulit. Poor. (2-Aug/Yamada-JPN/Jembatan DX)

4789.0 **RRI Fak Fak**, 0946 national music, 0950 M ID "Inilah Radio Republik Indonesia Fak Fak, Programa...", then live report from Fak Fak. Fair. // 7230.8 from 1000. (16-Aug/Yamada-JPN/Jembatan DX)

4925.0 **RRI Jambi**, 1115 Holy Koran, 1117 Islamic music, 1129 IS, 1130 lcl news, 1143 W ID "Radio Republik Indonesia Stasiun Jambi." Fair. (16-Aug/Yamada-JPN/Jembatan DX) strong @1055 w/ traditional music, Qur'an readings 1105, reception lasted long enough to hear their distinctive IS just before 1130. (12-Aug/Novello-NC)

4927.0 **RRI Jambi**, 1602 Jakarta news relay, 1606 local pops. Fair. Switched from 4925.0 to here at 1300. (16-Aug/Yamada-JPN/Jembatan DX)

5040.0 **RRI Pekanbaru**, 1700 Jakarta news relay. 1706 all night wayang kulit relayed from RRI Jakarta. Fair. (26-Jul/Yamada-JPN/Jembatan DX)

5055.4 **RRI Nabire**, 1145 local pops, 1158 SCI, 1200 Jakarta news relay. Poor. (16-Aug/Yamada-JPN/Jembatan DX)

5059.2 **RRI Yogyakarta**, 1410 W talk and local music. Poor. (17-Aug/Yamada-JPN/Jembatan DX)

5987.6 **RRI Manado**, 0650 popular mx. 0659 SCI. Weak. (30-Jul/Schulze-PHL/Jembatan DX/Yamada-JPN)

6069.8 **RRI Jayapura**, 2102 Jakarta news relay, 2107 local pops. Poor. (16-Aug/Yamada-JPN/Jembatan DX)

6153.5 **RRI Biak**, off mid-July, now reactivated, 0910 Islamic music, 0932 M ID w/local music as "Radio Republik Indonesia Stasiun Biak." Fair. (16-Aug/Yamada-JPN/Jembatan DX)

6188.7 **RRI Manokwari** (p), 0940 mx and M talk. Very weak. (16-Aug/Yamada-JPN/Jembatan DX)

7173.1 **RRI Serui**, popular music at 0755, 0814 M ID "RRI Serui," off 0853*. Weak. (20-Jul/Schulze-PHL/Jembatan DX/Yamada-JPN)

7230.9 **RRI Fak Fak**, 1120 live program for Indonesia's Independence Day. Poor. (17-Aug/Yamada-JPN/Jembatan DX)

9552.2 **RRI Ujung Pandang**, 0420 very weak. (16-Aug/Yamada-JPN/Jembatan DX)

9680.0 **RRI Jakarta**, Cimanggis, 2305 *Warta Berita* including *Forum Negara Pancasila*. 2330 ID by M "Programa Nasional Satu dan Dua, Radio Republik Indonesia Jakarta," then local pops. //9565 & 11750. Poor. (2-Aug/Yamada-JPN/Jembatan DX) RRI Jakarta 2158 "SCI" followed on the hour by woman past 2205 in what was probably RRI news. Weak, choppy; extremely poor overall. (19-Aug/Hill-MA)

9705.0 **RRI Pontianak**, 0415 M talk. Poor. (16-Aug/Yamada-JPN/Jembatan DX)

9741.8 **RRI Sorong**, 0120 popular mx, 0129 ID, IS, time pips, local news by W. Weak. (15-Jul/Schulze-PHL/Jembatan DX/Yamada-JPN)

Neither **RRI Bengkulu** 3264.8 nor **RRI Kupang** 3384.8 heard in mid-August. (Yamada-JPN/Jembatan DX)

RRI Jakarta on 15125kHz reactivated in the middle of August and 15150kHz also reactivated on August 16. 15125kHz broadcasts Programa Nasional Satu and 15150kHz is used as Programa Nasional Dua. (Yamada-JPN/Jembatan DX)

9525, **Voice of Indonesia**, 2000-2100 English to Europe is making it to North America again with a good level. (1-Aug/Novello-NC)

IRAN Announced English sked for **VOIRI**:

0030-0130 9022 6050

1130-1230 11930 15260 11930 11875 9555

1530-1630 13605 11790
 1930-2030 9022 7260
 2130-2230 6165 6175
 (26-Jul/Padula/EDXP)

IRAQ Radio Iraq International's new external service frequency, 11785, continues to be very erratic in schedule and modulation [first observed by GH on 11 Aug at 2238 opening English as "This is Baghdad, Radio Iraq International"]. Since I first discovered English there, I've checked it virtually every day at least in the 2230-2300 period. Even if there is a fair signal, there has never been enough modulation or clarity to understand as much as I did the first day. Speculation about jamming should include this fact: Some of it may be against RFA via KNLS in Korean during the 2200-2300 hour (21-Aug/Hausser-OK and WOR) At the s/off clearly mentions (incorrectly) 11890 as the frequency for this transmission. Signal quite strong throughout the hour, but audio tinny as if on a telephone line feed. (14-Aug/Sundstrom-NJ) 11787.Ov, Radio Iraq International, 0303, EE ID by man "This is Baghdad, "Radio Iraq Int'l." Then into talk about geographic placement of the country, indigenous weather, "The winter is mild in the south but becomes increasingly cold to the north..." Good audio though xmtr had slight hum and drifted as low as 11786.98. Announced 11785 on-air. (24-Aug/Sharp-FL/DSWCI DX-Window/Krone-DEN)

Nominal sked:

2000-2100 Arabic 11785v
 2200-2230 French 11785v
 2230-2300 English 11785v

(BBCM)

11292vfn, *R. Baghdad*, 2000 Aug 10. First discovered on 11290 Aug 9 by David Ross in IRC channel #swl who suspected a station of Middle Eastern origin; then Al Quaglieri matched a taped ID to the one printed in WRTH 97. On Aug 10, on 11292; played an unfamiliar IS just before 2000. Uses 5 pips on the hour; program was a mix of talk and music segments. Plug pulled in mid-sentence 2307. Station appeared briefly on 11290 Aug 11 around 1931, but only lasted a couple of minutes. (10/11-Aug/Novello-NC) 11290 (exactly there today rather than 11292) ID'd very clearly after ending news at 2015: "Idha'at-u jumhuriyah-t-il iraq min baghdad." This would make it the General Service. (Hill-MA) We've managed to confirm this is Republic of Iraq's main domestic service, parallel 756 kHz mediumwave. (12-Aug/Kenny-BBCM)

On 14th August, **Republic of Iraq Radio** was observed at 2230 on 9755 in parallel with 11292 kHz, although 9755 kHz has not subsequently been observed. A frequency announcement broadcast at 2000 on 17th August referred only to the shortwave frequency of 7190 kHz, although this channel has not been confirmed. (BBCM)

ITALY Nexus/Italian Radio Relay Service (IRRS)

sked, using reduced-carrier USB:

0500-0530	Italian	3985 Mo-Fr
0500-0530	Russian	7125 Sa-Su
0530-0730	Multilingual	3985
0730-1330	Multilingual	7125
1330-1600	Multilingual	3985 Fr-Su
1600-2000	Multilingual	3985
2000-2200	English	3955

(BBCM)

AWR-Forli has scheduled a pair of DX broadcasts, designed "to give listeners in North America, and perhaps elsewhere in the world, the opportunity to hear our exotic little station," per station engineer Christoph Gysin. Sked is 0100-0300 on 28- and 29-September (UTC). Programming will consist of "Wavescan" and other AWR program segments. Details of special QSLs will be announced. The 2.5kW station will point its log-periodic beam at New York City for the broadcast, whose frequency was still not certain as of press time. Two special QSL cards will be available: reception reports to the AWR Office of International Relations at Box 29235 Indianapolis 46229, will receive the "World's Smallest QSL Card." Those sent to Box 383 Forli 47100 in Italy will receive a regular QSL card with a special endorsement denoting the DX broadcasts. Also available will be a copy of the AWR QSL stamp, which can be affixed to the QSL certificate. Listeners may send two reception reports, one to each location. Please remember to enclose return postage, in the form of currency notes or postage stamps in an international currency, or IRC coupons. (direct)

JORDAN Radio Jordan sked, a bit different from last month's, let's all try to guess which is right (likely answer: neither):

0000-0105	Arabic	15435 11935
0300-0800	Arabic	15435 11810
0800-1000	Arabic	11810
1000-1200	Arabic	15355 11810
1000-1630	English	11690
1200-1500	Arabic	11810

(BBCM)

KAZAKHSTAN Radio Kazakhstan/Radio Almaty.

This schedule shows only those services which have been confirmed by recent monitoring observations. External services in Kazakh, Russia, Uighur and Tatar have not been confirmed. Some frequencies used by this service may be relayed from transmitters in Ukraine.

0900-0920	German	11720 9620 Su/Mo/We/Th
0900-0920	English	11720 9620 Tu/Fr/Sa
0920-0940	English	11720 9620 We
0940-1000	Turkish	11720 9620 Tu

(BBCM)

KOREA—NORTH 15030, *Radio Pyongyang*, Jul 28, 2212–2218. Lang: Korean, Compassionate talk in Korean. // 11335, 11700, 13650, 13760, 15130, 15230, 15330 kHz. This frequency and 15330 are most likely spurs caused by 15130 and 15230 kHz. (28-Jul/Boogert/DSWCI DX-Window/Krone-DEN)

Shortwave relay by *KCBS* stations of PBS programming is currently observed 1800–2000 UTC on 3220 kHz (KCBS Hamhung) and 3970 kHz (KCBS Wonsan). Only the latter is listed in WRTH. (Ashimori/Hard-Core-DX/DSWCI DX-Window/Krone-DEN)

Radio Pyongyang announced a sked change from 4-Aug. Here's what's been monitored since then:

0000–0100	English	11845	13650	15230
0700–1000	Japanese	3250	6070	7580 9650
0800–0900	Korean	6125	7200	9345
0800–0900	Russian	6575	9975	11740
0900–1000	Chinese	6125	7200	9345
0900–1000	Russian	6575	9975	11740
1100–1200	English	3560	9640	9975 11335
		13650	15230	
1100–1200	Chinese	6125	7200	9345
1100–1400	Japanese	3250	4405	6070 6520 7580
1200–1300	Korean	6125	7200	9345
1200–1300	French	3560	9975	13650
1300–1400	Chinese	6125	7200	9345
1300–1400	Spanish	3560	9975	13650
1400–1500	Korean	3560	9640	9975 11335
		13650		
1500–1600	French	6575	9345	
1500–1600	Arabic	4405	6520	9600
1500–1600	English	3560	9640	9975 11335
		11735	13650	
1600–1700	Korean	3560	4405	6520 6575 9345
		9600	9640	9975 11335
		11735		
1700–1800	Spanish	6575	9345	
1700–1800	Russian	3560	9325	
1700–1800	Russian	6520	9600	9975 kHz (not // 3560 9325!)
1800–1900	English	6575	9345	11700 13760
1900–2000	English	6520	9600	9975
2100–2200	English	6575	9345	11700 13760
2300–2400	English	11335	11700	13760 15130
2300–0100	Japanese	3250	7580	9650

Also on 4 August, station's official name in Korean, Chinese and Japanese was changed to *Radio Pyongyang* (hitherto Korean Central Broadcasting Station). In all the other languages the same change took effect in 1982. Each transmission now lasts 57-58 min. (formerly 50 min.). Broadcasts begin and end without the national anthem, except in Korean. Korean broadcasts begin with the anthem but end without it.

Radio Pyongyang's feeder on 3560 was inactive for about a week in July, but is back on the air. Until recently it was regularly used all night and possibly daytime as well (cf. my recent report). 4405 is

active as reported earlier. The absence of 3560 does not seem to affect the main frequencies, however.

Frontline Soldiers Radio: While the location of this station remains unknown, some signs indicate the possibility that it shares studios, etc., with the Korean Central Broadcasting Station and/or Pyongyang Broadcasting Station. Some of the sound effects used on FSR are familiar on KCBS and PBS, and FSR's theme music (heard hourly after ID) has also been played on KCBS and PBS.—Unlike before, FSR is currently very active on all the 3 frequencies, 1400–2000 on 1613, 2625, 3025 kHz. They were all on every time I checked in the past few weeks. No more brownouts? (1-Aug/Ashimori-JPN/Hard-Core-DX/DSWCI DX-Window/Krone-DEN)

KUWAIT *Radio Kuwait, updated:*

0000–0200	Arabic	11675		
0200–0400	Arabic	15505	15495	11675 6055
0400–0445	Arabic	17885	15505	15495 6055
0445–0530	Arabic	17885	15505	15495 15110
		11675	6055	
0530–0930	Arabic	17885	15505	15495 15110
		6055		
0930–1305	Arabic	17885	15505	15495 13620
		6055		
1305–1505	Arabic	17885	15505	15110 13620
		9880		
1505–1605	Arabic	15505	15110	13620 9880
1605–1615	Arabic	15505	15110	9880
1615–1800	Arabic	15505	15110	11990 9880
1800–2100	English	11990		
1800–2130	Arabic	15505	15495	9880 9855
2130–2300	Arabic	15505	15495	9855
2300–2400	Arabic	15495	9855	

(BBCM)

LEBANON *King of Hope's* shortwave transmitter was destroyed by an internal fire. (17-Aug/Wavescan/AWR/BBCM/DSWCI DX-Window/Krone-DEN) BBCM [This would explain its recent absence...AQ]

LIBERIA Despite the BBC *Newsdesk* report that *Star Radio* had started SW in late July, no one has reported it on 3400 or 5890, the projected frequencies obtained by BBCM. Now, B. Cooley reports hearing an interview with someone from the station on VOA's African Service at 0300 July 27 saying that SW was not a high priority for *Star FM*; it will happen, but not right away (WOR #906/Hauser) Per BBCM: *Star Radio* was set up and is managed by Fondation Hironelle (Swallow Foundation), a Swiss-based non-governmental organization, in partnership with Radio Monrovia (a private FM station). It is funded by the US Agency for International Development, and was set up to provide Liberians with impartial news and information. Languages used: Bassa, English, Dan, Grebo, Liberian English, Lorma, Kissi, Kpelle, Krahn, Kru, Mandingo, Mano, Mende,

Vai, [attention Scrabble fans: stun your opponents with these new, legitimate words!-AQ] Address: Fondation Hirondele, 3 rue Traversiere, 1018 Lausanne, Switzerland Tel: +231-226820/226176/227390 (Liberia) +41-21-6472805 (Switzerland) Fax: +231-227360 (Liberia) +41-21-6474469 (Switzerland) E-mail: libe@atge.automail.com (Liberia) fon-dhi@atge.automail.com (Switz) Sked 0500-2000. (BBCM)

LIBYA Check this one out...it looks pretty straightforward until you get to the 1600-1745 broadcast...*Libyan Jamahiriya Broadcasting* has two main programs—Voice of the Greater Arab Homeland (VOGAH) (AA ID: "Sawt al-Watan al-Arabi al-Kabir") and the ever-popular Great Jamahiriya Radio (GJR) (AA "Idha'at al Jamahiriya al-Umma"). Join the fun at:

0000-0400	Arabic/VOGAH	15435	15415	15235
1045-1230	Arabic/VOGAH	15435	15415	15235
1230-1600	Arabic/GJR	15435	15415	15235
1600-1645	Arabic/GJR	15435	15235	
1600-1745	Multilingual*	15415		
1645-1800	Arabic/VOGAH	15435	15235	
1800-2400	Arabic/VOGAH	15435	15415	15235

*At 1600-1745 readings from the Green Book are broadcast on 15415 kHz in:

Russian	1st, 2nd, 3rd, 16th, 17th, 18th, 29th of each month
German	4th, 5th, 19th, 20th of each month
Hungarian	6th, 7th, 21st, 22nd of each month
Polish	8th, 9th, 23rd, 24th of each month
Bulgarian	10th, 11th, 25th, 26th of each month
Czech/Slovak	12th, 13th, 27th, 28th of each month
Romanian	14th, 29th of each month
Serbo-Croat	15th, 30th, 31st of each month

Also note that a service known as *Sabha Local* operates irregularly on 11815 from 0745-1000. (BBCM)

LITHUANIA *Universelles Leben* (Universal Life) is a German evangelical program broadcast via a transmitter in Lithuania.

1100-1200	German	9710
1200-1230	English	9710
1300-1330	Russian	9710

(BBCM)

MADAGASCAR 4959.6 R. *Dif. TV Malgache*, Antananarivo, 0530-0540, FF nx from Africa (24-Jul/Petersen-TX)

5950 RTA - *Radio Television Analamanga*, Jul, 0000-2400, have you ever heard of this station which broadcasts 24h? In Malagasy and French {HEARD EARLY IN THE MORNING TILL LATE IN THE NIGHT} with Pop Music in English & French. Only address I have is P.O. Box 7547 Tananarive-Madagascar. The owner is an Italian named Ottacio Ermini. The full address is: Ampesiloha P.O.Box 7547 -TANA

101 Phone /Fax 261 02 628 04—Madagascar. (Vaghjee-MAURITIUS/Passman/DSWCI DX-Window/Krone-DEN)

Tsioka Vao is a new private station broadcasting on 6075 KHz from 0300-1900 UTC in Malagasy and French with pop musical program. The Director name's is Detkou Dedonnais (a malagasy). TVA is off the AIR at the moment with technical problem; they've told me they'll return to the air again soon. ADDRESS: Radio TV—TSIOKA VAO P.O. Box 315 TANA [Antananarivo, for sure-AQ] PHONE: 261 [2] 217 49 (Vaghjee-MAURITIUS)

BBC has donated 6 Transmitters [SW, MW and FM] to Madagascar to promote the English language to the young Malagasy and it will be fixed in 6 provinces of the Island. (Vaghjee-MAURITIUS)

MALI Few seem to have noticed, and no one seems to care, but the *CRI* relay although renewed until 2008, has been missing for the past month or so from 9710 and 11695 at 0000 and 0300 in English; nor is it heard on previous frequencies 9770, 9780, 11715, 11760, nor the one just listed by BBCM at 0000 only, 11770v (Hauser-OK/WOR #906)

MAURITIUS It has been announced that Government will permit private television to operate after having received the appropriate licence from the Telecommunication Authority and may be that radio broadcasting will follow the same step in the near future. (Vaghjee-MAURITIUS)

MEXICO *Radio Mexico Internacional* (XERMX), in Spanish and English:

1200-1600	9705 5985
1800-2300	9705 5985
2300-0500	9705

Half-hour programs in English at 0300, 0400, 1400, 1500, 1900, 2000. (BBCM)

R. Huayacocotla, 2390 now broadcasts programs of XHUIB, R. Ibero, 100 watts on FM 90.9, which is audible only next to the Universidad Iberoamericana Campus in Santa Fe, D.F. (Hector Garcia B., Mexico, WORLD OF RADIO 907) Meanwhile, I have been hearing XEJN again from *1200 sharp when its carrier slightly overlaps WWCR at s/off. The two are within a few Hz of each other. Starts with unmistakable Mexican NA making it clear this is not the Guatemalan. (19-Aug/Hauser-OK)

While **XERTA** was running open carrier the night before and early on UT Aug 15, after 0405 there was an hour of a variety of music interrupted by about a dozen different ID tapes every four minutes or so, my first confirmed logging of them, on about 4800.7. By this hour Guatemala seemed to be off tho there was still a weak het on the low side, perhaps African. Among the phrases in the various Spanish IDs were: "XERTA, Radio Transcontinental

de America; "la primera y ultima emisora comercial en Mexico;" "transmitiendo en ingles, frances y espanol;" "con 50 mil watts de potencia radiada;" "desde la Torre Latinoamericana;" At 0505 switched to English for a half-hour program promoting and apparently produced by the state of Baja California, with musical theme "Ebb Tide." Closing at 0537 said would be back tomorrow at same time, and mentioned 25 and 31 meter bands(?). 0539 back to Spanish, "nace una nueva estrella, XERTA." Probably stayed on all night as Hector Garcia B. reported a few nights before and he said the power was actually 2 kW. (15-Aug/Hauser-OK) As of Aug 21 had not reappeared since Aug 15. (Hauser-OK)

MONGOLIA Schedule for English programs from *Voice of Mongolia*:

0900-0930	15170
1240-1310	12085
1500-1530	9720 12085
1930-2000	9720 12015

(7-Aug/Boogert/DSWCI DX-Window/Krone-DEN)

MOZAMBIQUE 3272.6 *Mocambique-Beira* (p), Aug 22, 1911, Portuguese. Fair signal, but QRN heavy (22-Aug/Krone-DEN/DSWCI DX-Window) Sked here is 1530-2205. (Vaghgee-MAUR/DSWCI DX-Window/Krone-DEN)

6111.0 R. *Mozambique*, 1641-1758, often in the evenings (2/7 1641-and 1758-, 23/7 1745-) (NERRS Monitoring/Timofeyev/DSWCI DX-Window/Krone-DEN)

9619.0 R. *Mozambique*, 1600-1800, sometimes in July noted around this time (NERRS Monitoring/Timofeyev/DSWCI DX-Window/Krone-DEN)

11812v *Radio Mozambique*, 1100-1129, regularly heard on 11812.2-11812.4v kHz in the daytime. English from 1100 to 1129 UTC (23/7) with closing at around 1500-1530 UTC (31/7 -1517*, 1/8-1528*). (23-Jul/NERRS Monitoring/Timofeyev/DSWCI DX-Window/Krone-DEN)

NEPAL *Radio Nepal* usually operates on only two of the three listed shortwave channels at any given time. The 7MHz frequency is normally used in summer and the 3MHz frequency in winter.

0015-0520	Nepali	7165 5005 3230
0520-0715	Nepali	7165 5005 3230 Sa
0715-1715	Nepali	7165 5005 3230

EE news at 0215-0225 and 1415-1425 (BBCM)

5005 R. *Nepal* 0004 Test tone till 0011, when monotonous theme preceded 0015 s/on with talk by man. Followed with local music till woman took over at 0020. Very weak and hammered by QRN. Signal on 7164.4 may have been parallel, but it was too poor to be sure. (15-Aug/Hill-MA)

NEW ZEALAND Changes in schedule *RNZI*, from 7th September, according to updated web pages:

1650-1851	6145 Mo-Fri
1852-2051	9875 Su-Th
1852-2058	9875 Sat
1852-2106	9875 Fri

The rest unchanged. (12-Aug/Rubio/DSWCI DX-Window/Krone-DEN)

PAKISTAN 11575.09, R. *Pakistan*, noted here instead of usual 11570.09 with 1700-1900 Urdu service to Europe. (1-Aug/Novello-NC)

PALAU An additional 100-kW Harris transmitter has just been shipped to *KHBN* to augment High Adventure Ministries' shortwave service to Asia and the Pacific. (17-Aug/Wavescan/AWR/BBCM/DSWCI DX-Window/Krone-DEN)

PAPUA NEW GUINEA Active stns from PNG which noted in the PHLs lately: 0950-1233 UTC 3205 3220 3235 3275 3305! 3315 3325 3335 3375 3395 3905 kHz. 3305 kHz in // to NBC progr 4890 kHz up to 1400* UTC. Afterwards *NBC National* progr still on 4890 kHz. R. Western 3305 kHz on low power approx. 2-5 kW, but seemingly using new tx equipment. (27-Jul/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

Arthur Cushen said on 31st July that with the signing of a peace agreement between the Papua New Guinea authorities and separatists in Bougainville, "it looks like *Radio Free Bougainville*, which is still on 3850 [kHz], will come to an end." He added that Radio United Bougainville, the station run by the Papua New Guinean government, "could be faded out because in the old days they [PNG] had a station in the northern Solomons which broadcast into Bougainville. And that would probably be reactivated or rebuilt, now that there's peace in the area." (31-Jul/R. Netherlands Media Network/DSWCI DX-Window/Krone-DEN)

PERU 3230.24 *Radio El Sol de los Andes*, Juliaca, 1020 p, huaynito criollo and M talk in Quechua. ID "5 y 20 en los estudios de Radio El Sol de los Andes." (19-Jul/Nozaki-JPN/Relampago DX)

3339.9 *Radio Altura*, Cerro de Pasco (presumed) 0310-0322 Male speaker in Spanish with music in the background, "Happy Birthday"-tune, LA Music. No ID heard. RTTY-QRM. (26-Aug/Veldhuis-HOL)

4419.45 R. *Bambamarca* (p), 0240 w/ huayanos holding well against the QRN (22-Aug/Rippel-VA/DSWCI DX-Window/Krone-DEN)

4746.82 R. *Huanta Dos Mil*, 1030-1040, very weak signal barely audible but noted a man in comments here. (10-Aug/Bolland-FL/DSWCI DX-Window/Krone-DEN)

4855.53 **Radio La Hora**, Cusco, 1000-1011 p, px Cosqo Llactac Taquinin (23-Aug/Nozaki-JPN/Relampago DX)

4886.76 **Radio Villa Rica**, Huancavelica, 1137-1140 f, ad for a local technical academy. ID was given as "Radio Villa Rica, la consentida de su dial." (09-Aug/Nozaki-JPN/Relampago DX)

4950.1 **Radio Madre de Dios**, 1025-1035, may be the Latin with poor signal (24-Aug/Wilkner/DSWCI DX-Window/Krone-DEN)

4990.87 **Radio Ancash**, Huaraz, 0951-1000 f signal, px "Cushi Cushum." (09-Aug/Nozaki-JPN/Relampago DX)

4995.58 **Radio Andina**, Huancayo, 1138 p, huayno and saludos. (09-Aug/Nozaki-JPN/Relampago DX)

5024.96 **Radio Quillabamba**, 1108-1120 p, huayno and saludos in SS/Quechua. (20-Jul/Nozaki-JPN/Relampago DX)

5039.2 **R. Libertad de Junin**; Junin (p), Aug 16, 2310-2332, Easy songs, short announcements by male in Spanish, talk. No ID heard. (16-Aug/Veldhuis-HOL/DSWCI DX-Window/Krone-DEN)

5522.23 **R. Sudamerica**, Cutervo, Cajamarca, 0125 romantic ballads, ID around 0130: "Radio Sudamerica, AM Mil Sesenta, Super Exitos!" (27-Jul/Novello-NC)

5629.82 **Radio Ilucan**, Cutervo was noted on this new frequency. Noted at 1011-1035 p, Huayno Cajamarquino and a lot of greetings and messages for provincial audience. ID was given at 1020. (23-Aug/Nozaki-JPN/Relampago DX)

5676.8 **R. Frecuencia San Ignacio** on this spot Aug 8, after some moving around: from usual 5700 they went to 5678.1 on Aug 2, and 5675.5 on Aug 4. Anncts as before "a travs de los 5-700." Carries a 30 min. esoteric prgr in // with R. San Ignacio, 7040.5 at 2330. (Klemetz-COL/Dateline Bogota)

5728.5 (new fq, ex-5342) **R. Naylor**, Lambayeque, 2320, in the course of usual *Buenas tardes, Ecuador*; next morning, 1100, *Angelus* and into *Buenos dias, Lamba-yequ* (which is a newscast). Not too strong, but did, in fact, announce "5730," so seems to be an intentional change of fq. (18-Aug/Klemetz-COL/Dateline Bogota)

5730.03 **Radio Santiago**, Puerto Galilea, 1113-1130, fair signal. ID with TC as "Ahoia amigos, son las 6 y 17 minutos, 6 y 17 minutos...desde la localidad de Puerto Galilea, Region Nororiental del Marañon, 5730kHz banda internacional de 60 metros para los...el saludo especial para todos los amigos de Radio Santiago." At 1119 religious px in SS. (23-Aug/Nozaki-JPN/Relampago DX)

5767.15 **Radio Master**, Moyobamba, *1104-1113

p signal, S/on with cumbia peruana, then saludos. ID was given as "Radio Studio Master." (9-Aug/Nozaki-JPN/Relampago DX)

5789.85nf **R. Ilucan**, Cutervo, Cajamarca, 0135 Andean M vocals, s/off around 0310 w/announcement: "Senoras y senores en esta forma llegamos al final de una jornada mas.Radio Ilucan, voz y sentir del Ande cutervino en los 1470 kHz les agradece su sintonia dispensada...Hasta mañana Cutervo, feliz noche Peru." (31-Jul/Novello-NC)

6045.3 **R. Santa Rosa**; Lima, 0605-0640, SS relig talk 0614 interlude music and then W and M. Weak, but in the clear. At 0705 only carrier left (22-Aug/Krone-DEN/DSWCI DX-Window)

6087.9 **R. Chasqui**, Cusco, seems to be on following sked: 1130-1300 and 0000-0200, in Quechua and Spanish. No address info available as yet. (Klemetz-COL/Dateline Bogota)

6797.0 **Ondas del Rio Mayo**, 1020, needed USB to avoid ute QRM, revealed male with mensajes. First time heard since moving from 6803. (18-Aug/Oromandy/DSWCI DX-Window/Krone-DEN)

6797.7 **Ondas del Rio Mayo** 0145-0203* typical (0A) music with an ID. (22-Aug/Rausch-NJ/IRC #swl/Kirby-OH)

6895.3 **R. San Miguel** de El Faique is having a good spell right now, some nights extending transmission past midnight. Exact address is unconfirmed, but I now suspect the station is somewhere along Avenida Piura, in the neighbourhood of Pampa Alegre, which I suppose belongs to El Faique district. (Klemetz-COL/Dateline Bogota)

7141.7 (new fq) **R. Ayabaca**, 2148, talk show run by "maestro curandero," prgr of HC music started on top of the hours. Weak. (2-Aug/Klemetz-COL/Dateline Bogota)

PORTUGAL We recently returned from a trip to Portugal and gathered the following information regarding the shortwave radio stations there:

Radio Portugal At Sao Gabriel (08.42W 38.47N)

The following shortwave transmitters are actually in use:

- 1 x 300 kW Telefunken S4005
- 4 x 100 kW Continental 418B
- 1 x 100 kW Brown Boveri SK51
- 2 x 100 kW General Electric G-100B

The station was build around 1953/54. Before, the programs of Radio Portugal were transmitted from a location near Lisbon in Charneca, just north of the city center. Most of the antennas are rhombics, with a few curtain arrays as well. The 300 kW transmitter is mainly used for broadcasts to Africa and Timor.

RFE-RL Radio Free Europe - Radio Liberty

No longer broadcasts from Portugal. Transmissions via Maxoqueira ended in 1995 and via Gloria in 1996. Both sites are currently being dismantled. The actual coordinates vary largely from the ones found in the HFCC and WRTH. Maxoqueira is at 08.46W 38.57N and Gloria at 08.40W 39.02N. In the past, I read articles stating Gloria was close to Sao Gabriel, just across the road, but this is certainly not the case. The Maxoqueira site is almost completely dismantled. The transmitters, 6 x 500 kW Asea Brown Boveri SK55C3-2P units have been shipped to Tinian, Northern Mariana Islands. At this moment, they are taking down the antennas. All towers are expected to be down by the end of August. If I would have visited the station 2 months later, it would have been almost impossible to trace its location. The Gloria site is currently being dismantled. The transmitter setup was as follows:

- 2 x 50 kW RCA BHF-50B
- 4 x 250 kW General Electric 4BT250C2
- 7 x 250 kW Continental 419F
- 8 x 250 kW Continental 419F-2

No decision yet on what will happen to the RCA and General Electric units, the major of the city can decide what will happen to the General Electric units. Of the 7 Continental 419F units, 5 will be moved to Spain (Playa de Pals) and 2 to Greece (Kavalla). Of the 8 Continental 419F-2 units, 5 have been donated to the Government of Greece (maybe in exchange for continuation of the Rhodes and Kavalla facilities). 3 of these will probably be installed in Avlis and 2 in Thessaloniki. The remaining 3 are going to Sri Lanka (Iranawila). It is not known if the antennas at Gloria will be dismantled as well.

Radio Renascenca

The shortwave transmitter at Muge (08.41W 39.05N) went off the air in December 1996 due to a damaged socket of the final tube in the Harris SW-100 transmitter. Repair is on its way but it is not sure that Radio Renascenca will resume broadcasts on shortwave. The site at Muge was build around 1979. Broadcasts on shortwave from Radio Renascenca before that time came from a location named Buraca near Lisbon. The power as listed in many publications as 3 kW seems incorrect, it only used to be 500 Watts. Only the power of the mediumwave transmitter at the same site was raised from 500 Watts to 3 kW at a certain time.

Radio Trans Europe

All 3 units of 250 kW (Marconi B6122) are in use at Sines (08.46W 37.57N) and not one in stand-by as listed in the WRTH. Most of the relays are from Deutsche Welle, and a few from RCI and Radio Portugal. There are 2 fixed curtain array antennas, 1 fixed log-periodic antenna and 2 rotatable curtain arrays which are really impressive. (Maes-BEL/DSWCI DX-Window/Krone-DEN)

RUSSIA Magadan Radio

0000-1500 Russian 9600 9530 7320 5940
1730-2400 Russian 9600 9530 7320 5940

Local programs air from 0220-0300, 0620-0700, and 1900-2000; relay of Radio Tikhiv Okean from 0715-0800. (BBCM)

Sakhalin Radio, via Yuzhno-Sakhalinsk:

0000-1500 Russian 11840
1800-2400 Russian 11840

Local programs air from 0800-0840 and 2000-2130 (BBCM)

Radio Tatarstan, Kazan, shortwave service started on 1st August 1997 and is broadcast from a high power shortwave transmitter at Samara. Programming is mainly in the Tatar language, but includes some segments in Russian. Address: Tatar Radio, Ul. Maksima Gor'kogo 15, 420015 Kazan, Tatarstan Tel: +7-8432-367493

0400-0500 Tatar/Russian 9690
0600-0700 Tatar/Russian 6130
0800-0900 Tatar/Russian 9690

(BBCM)

Vladivostok Radio—Second Program:

0700-1300 Russian 5015
1800-2200 Russian 5015

(BBCM)

15075 **IBC Radio**, 1415, Noted the station signing off at 1430, reception very good in South India (7-Aug/Prahalada-IND/DSWCI DX-Window/Krone-DEN) The IBC Tamil prgm is testing 1300-1350 on 12120 and 15075. I believe the xmtr is in Georgia, but I am not positive. (noname/NU) Or Dushanbe/Tajikistan? (noname/NU/Krone-DEN/DSWCI DX-Window)

ST. HELENA This year the St. Helena Day of **Radio St. Helena** will be placed on October 26, planned QRG is 11092.5 in SSB Mode at 1900-2300. Postal address: Radio St. Helena, Jamestown, St. Helena (South Atlantic Ocean). Fax+290 4542. Web URL is <http://www.sthelena.se/> (11-Aug/Kubiak-FRG/WWDXC—DX Magazine)

SINGAPORE Radio Singapore International:

1100-1400 Chinese 6120 6000
1100-1400 English 6155 6015
1100-1400 Malay 7250 6135

(BBCM)

SOUTH AFRICA 3345 **World Music R. Relay** 2142 Just beginning to fade in with Europops, DJ patter, WMR IDs // 6290; almost solid by 2159*. At the same time, hets (and in some cases audio) were already showing from all the usual 90M African suspects as well. Not bad considering that local sunset wouldn't arrive until 2332! (23-Aug/Hill-MA)

SWAZILAND Updated **TWR** Swaziland sked:

0300-0330	Ndebele	3200
0300-0330	Swahili	4760
0300-0345	Shona	3240
0330-0345	Swahili	4760 Sa
0333-0404	Amharic	7215M Su/We/Sa
0333-0404	English	7215M Mo-Fr
0333-0404	Oromo	7215M Th/Fr
0333-0404	Tigrinya	7215M Mo/Tu
0400-0415	Lomwe	6100
0400-0430	Chewa	6040 Su/Mo/We/Th/Sa
0400-0430	German	4775
0400-0430	Tumbuka	6040 Tu/Fr
0430-0500	Chewa	6040
0430-0505	English	6100 4775 3200
0505-0600	English	9500 6100 4775 3200
0600-0700	English	11730M(-0630) 9650 6100 4775 11730M Su 9650 9500 4775
0630-0645	English	9650 9500 4775 Sa/Su
0700-0735	English	15195
0735-0805	English	15195
1400-1415	Urdu	7315 Mo-Fr
1420-1425	Portuguese	7175
1440-1510	French	7315
1440-1510	Portuguese	7315
1510-1525	Makua	7315
1510-1555	Malagasy	7175
1525-1540	Lomwe	7315
1528-1543	Yao	7265M
1540-1555	Lomwe	7315 Mo-Th
1540-1555	Tigrigna	9500 Su/Fr
1543-1558	Sena	7265M
1600-1630	Chewa	5965 We-Mo
1600-1630	Kirundi	9530M
1600-1630	Portuguese	3240 Sa/Su
1600-1630	Tshwa	3240 Mo-Fr
1600-1630	Tumbuka	5965 Tu
1600-1830	English	9500
1630-1645	Shangaan	3240
1630-1700	Borana	9530M Mo
1630-1700	Chewa	5965
1630-1700	German	3200
1630-1700	Oromo	9530M Tu-Su
1640-1655	Somali	9650M
1700-1730	Tigrignya	9850M
1700-1800	Swahili	5965
1730-1745	Pedi	3200 Sa/Su
1730-1745	Sotho	3200 Fr
1730-1800	Amharic	9530M
1745-1800	English	3200 Mo-Fr
1800-1815	Swahili	5965 Sa/Su
1800-1830	Bambara	9600
1800-1830	Ndebele	3240
1800-2015	English	3200
1810-1825	Kinyarwanda	9530M Sa
1830-1900	Baule	9600
1830-1900	Nupe	9510M
1830-1900	Shona	3240
1845-1900	Umbundu	6115
1900-1915	Kikongo	6115 We-Fr
1900-1915	Lunyaneka	6115 Sa

1900-1930	Lingala	9525
1900-1930	Portuguese	6115 Su
1900-1930	Portuguese	6115 Su-Tu
1900-1930	Yoruba	9510M
1915-1930	Luchazi	6115 Sa
1930-1945	Chokwe	6115 Sa/Su
1930-1945	Kafunga	6115 Sa
1930-1945	Portuguese	6115 Mo-Fr
1930-2000	French	9525
1930-2000	Fulani	9510M
1945-2000	Kimbundu	6115
2000-2005	Portuguese	6115 Mo-Fr
2000-2015	French	9525 Sa/Su
2000-2030	Hausa	9510M
2030-2057	Twi	9510M
2100-2145	Arabic	7240M Su

M=via Meyerton, South Africa (BBCM)

THAILAND 15395 **R. Thailand** *0030 After being on 15370 for at least the past year, R. Thailand has moved here for the 0030-0100 English transmission, followed by Thai. Signal is invariably about ten times better than any other from South or East Asia on 19M. (15-Jul/Hill-MA)

TUNISIA 11725 **ERTT** 1810 New/unlisted freq with Middle Eastern vocals, conversational talk in Arabic, brief Qur'an reading; low audio. Weak at first, then began to pick up steam. Went off at 1859 as // 12005 continued. (19-Jul/Hill-MA)

TURKEY *Turkish Police Radio*

0450-1600 Turkish 7370
(BBCM)

Voice Of Meteorology

0400-0850 Turkish 6900
1100-1545 Turkish 6900
(BBCM)

UKRAINE New schedule of *Radio Kazakhstan* via Kiev relay 9620 & 11720. Sun/Mon/Wed/Thur 0900-0920 German, Tue/Fri/Sat English. Wed 0920-0940 English. Tue 0940-1000 Turkish, daily 1000-1020 Russian. From 1020 Shalkar Kazakh lang dom sce relay. Address: Radio Almaty, ul Zheltoksan 175, 480013 Almaty, Kazakhstan. Tel:+7-3272-630763/633716 (main numbers); Tel: +7-3272-637694 (head of foreign-language bcs) Fax: +7-3272-631207. (20-Jul/Koch-FRG/RMRC-Aktuell/BCDX/EDXP/Padula-AUS)

UNITED KINGDOM *Sri Lanka Broadcasting Corporation* has opened a European service from 1900-2000 on 5975 kHz (via BBC Skelton site). Possibly Saturdays only. (Aug/SLBC/BBCM)

UNITED KINGDOM/SINGAPORE? 6000.0 *City Sound*, 1610-1630 C, slow C songs, short story,

ann's, adverts 23433 (16-Aug/Korinek-RSA/DSWCI DX-Window/Krone-DEN) Hmm! Finn listed this as SRI LANKA and you list as United Kingdom. Unfortunately, although we have many Chinese restaurants in the UK, the Chinese community doesn't yet have a national radio network. I'd suggest this item ought to go under SINGAPORE :-) (27-Aug/Sennitt-NL)

URUGUAY 9621, CXA6 *SODRE* Montevideo, Jul 29, 0237-0300*, (nominal fqcy: 9620)**REACTIVATED**. Simulcasting CX26 (MW1050). Uruguayan contemporary mx. To closing ancmt (canned, not ment. SW), NA, s/off 0255. Carrier went up to 0300. Per technical person at transmitter site, they are using a 2x813 transmitter, feeding a halfwave dipole with around 250 W. Sked is 0950-0300, simulcasting MW 1050 (CX26). QSL to Casilla 7011, Montevideo, and e-mail <radioact@chasque.apc.org>. (Nigro/DSWCI DX-Window/Krone-DEN)

9650.33 *Emisora Ciudad de Montevideo*, 2040-2045 f, football game relay. (23-Aug/Nozaki-JPN/Relapago DX)

USA Changes in *WSHB*, in Spanish to Europe, from 2-9, acc. to programm "El Heraldito:"

0700-0800 7535 Th
0900-1000 7535 We/Fr
2000-2100 13770 Tu/Fr/Su
2200-2300 7510 Mo/We/Sa

New address: Shortwave Broadcasts, P.O. Box 1524, Boston, MA 02117-1524. (Rubio/DSWCI DX-Window/Krone-DEN)

Prophecy Countdown—*WVHA* gone off the air. The chronology of close down (cause no full payment to the electric company): Bangor Hydro-Electric Co. disconnected electricity at Friday, July 8. *WVHA* ceased all transmissions at Wednesday, July 16. Finance Company took over property at Thursday, July 31. *WVHA* employees terminated and a security company contracted to secure the transmitter site at Monday, Aug. 4. (5-Aug/MAINE.MAINE.EDU/Usenet/Kubiak-FRG/WWDXC—DX Magazine)

Here's some hot news from Joel Herman [phonetic] in Iowa about the possibility of yet another US shortwave station. He says in the 'For The People' magazine received on 6th August from Chuck Harder, it says a monster 50,000-Watt Continental 317-C-2 radio transmitter has been purchased and will soon arrive at a 39-acre site near Lake City, Florida. There, the shortwave station will be built as well as a repeater station for *WFVR* 910AM in Valdosta, Georgia.

The new shortwave will beam our program, "For The People," to the east coast during prime time and will be repeated three hours later for the west coast. Chuck says he hopes to continue the present schedule on *WHRI* [shortwave station in South Bend, In-

diana] and *WWCR* [shortwave station in Nashville, Tennessee].

The shortwave station would owned by the American Community-Oriented Radio Network—ACORN—which is affiliated with Harder. It also owns *WFVR* and *WNTF* 1580 in Bithlo, Florida. He says ACORN will also make shortwave radios, but so far no further details. (14-Aug/WOR/WWCR/BBCM)

UZBEKISTAN *Radio Tashkent* sked, revised:

0100-0130	English	9715 9530 9375 7190
0130-0200	Dari	9715 9530 9375 7190
0200-0230	Pashto	9715 9530 9375 7190
0230-0330	Uzbek	9715 9530 9375 7190
0400-0430	Turkish	15200 15165
1130-1200	Uighur	6230 6155 5060
1200-1230	English	15295 9715 7285 7190
1230-1300	Urdu	15295 9715 7285 7190
1300-1330	Hindi	15295 9715 7285 7190
1330-1400	English	15295 9715 7285 7190
1330-1400	Uighur	6230 6155 5060
1400-1430	Urdu	15295 9715 7285 7190
1430-1500	Hindi	15295 9715 7285 7190
1430-1500	Uighur	6230 6155 5060
1520-1550	Dari	9715 9540 7285 6190
1550-1630	Uzbek	9715 9545 9540 7285
1630-1700	Persian	9715 7285 6190
1700-1730	Arabic	9715 7285 6190
1700-1730	Turkish	9545 9540
1730-1830	Uzbek	9715 9545 9540 7285
1830-1900	Persian	9715 9545 9540 7285
1900-1930	Arabic	9715 9545 9540 7285
1935-2030	German	11905 9545 9540 6230 5060
		5035
2030-2100	English	9545 9540
2130-2200	English	9545 9540
2230-2300	Chinese	5060
2330-2400	Uighur	5060

(BBCM)

VENEZUELA 9750 *R. Occidente*, Tovar, Merida, 1135 sports report, mentions of Tovar, passing ID 1150. Formal ID w/calls and frequencies 1220. (1-Aug/Novello-NC) *R. Occidente* is irregular. On Aug 2 as late as 0020, but on Aug 7 abruptly pulling plug 2103 after 2 min. "Comentario 1100." Clear fqy in both cases. (Klemetz-COL/Dateline Bogota)

VIETNAM 4959.67 *Hanoi 2*, 2232-2239, M&W in Vietnamese, short tune on electronic piano. No ID heard. 24243 (18-Aug/Veldhuis-HOL/DSWCI DX-Window/Krone-DEN)

UNIDENTIFIED 3970 UnID 2300* The same big carrier here last year at this time is coming through once again every day from around 2215. Audio is mostly nonexistent as before, except today a few segued Europop vocals could be faintly discerned. Possibly an announcement at 2258; possibly a cho-

ral march to s/off. Not // Kaduna on 4770, Yaounde on 4850, or Enugu on 6025. Surely SOMEBODY in Europe or Africa must have an idea who this is! (23-Jul/Hill-MA) I think this probably *is* Enugu. I admit that the listing in WRTH97 could be clearer, but there are two services from Enugu, one on 828 and 3970kHz, the other on FM and 6025kHz. That would explain why the audio wasn't in parallel with Enugu on 6025: -) 3970 is listed in WRTH97 as closing at 2030, but this may have changed (or there are seasonal variations). Not also that they are/were planning to install three additional SW transmitters (Sennitt/DSWCI DX-Window/Krone-DEN)

UNID 5012 kHz at 1540, appears to be an African station in a vernacular language. Played pop mx w/ intros by a W. I didn't catch an ID at 1600, but there was a brief drum beat before & after apparent news. Able to catch "Republic of Congo" and "Rwanda" during the presumed newscast. The English-sounding pronunciation makes me think this is an East-African, such as Kenya, Uganda, or Tanzania. At the time Madagascar was audible on 5009.6 and Kenya was on 4885. 5012 was definitely NOT All India Radio drifting up from 5010. After the 2nd drum beat they went back into the pop mx program w/same W. I tuned out & retired at 1620 (01:20 JST). (10-Aug/Famularo-JPN)

5271.57 UNID, 0155, Ran across this one just a little too late; one euro-dance selection, a break with produced, echoey shouted phrases, one tropical dance selection, and plug pull 0205*. Fine signal, needs attention. Reception around the same time on 5775.27 suggests Peruvians in Amazonas; the latter signed off with an anthem at 0235. (22-Aug/Novello-NC) Surely the most likely station is Radio Nororiental, Rodriguez de Mendoza listed on 5271.8? Many Peruvians seem to change their frequencies on a daily basis :-) (27-Aug/Sennitt-NL)

Noted that Jones, Paraguay does not hear the 7543.0-LSB preaching, and Wilkner, Florida no longer hears it. But I still do just about any morning checked, such as August 11 at 1235 with religious singing, 1255 "Una Voz en el Aire" as before. While the outside longwire certainly helps, on Aug 6 at 1255 I was able to hear it inside a New Mexico motel room with reel-out inside antenna. Seems most likely it is in western USA or Mexico, possibly Central America. If I can ever copy addresses of any of the programs carried, I'll ask them about it (Hauser-OK)

15140 +1100-1400+ A station with Middle Eastern programming is here daily before 1100; fair carrier but low audio that keeps fading up and down. Gets wiped out by HCJB at 1400. No likely candidates listed in WRTH or PWBR. (18-Aug/Hill-MA)

CAN "DIAL-A-MATRESS" ADS BE FAR BEHIND? 9680, Voice of America, via Briech, 0650, Aug 8. Advertisements on the Voice of America? That's sure what this insert sounds like, heard this week during the sports segment on "VOA Today" starting at 0645: "VOA's coverage of the 1997 World Track and Field Championship is made possible in part by the Royal Olympic Hotel, Athens. A first-class hotel in the heart of Athens, within a short walking distance of the Acropolis and the Old City. The Royal Olympic, Athens." (8-Aug/Novello-NC)

THE 6230 STORY!! The frequency of 6230 offers some interesting analysis. It is used by transmitters in Uzbekistan (100 kW non-directional), and Kazakhstan (100 kW), for Z97: 1130-1230 Kazakhstan Uighur—relay of Radio Tashkent 1330-1400 Kazakhstan Chinese—relay of Radio Tashkent 1430-1530 Kazakhstan Uighur—relay of Radio Tashkent 1930-2030 Uzbekistan Radio Tashkent German service (310 degrees) 2230-2300 Kazakhstan Chinese—relay of Radio Tashkent 2330-2400 Kazakhstan Uighur—relay of Radio Tashkent. (Bob Padula/EDXP)

SO MUCH FOR HEARING THE MCDONALD'S THEME AS PLAYED ON BIG BEN Per an article in the Sunday Times of London, 24-Aug, the BBC hired high-powered ad agency Saatchi & Saatchi to persuade multinational corporations to buy advertising on BBC World Service. According to the article, Andrew Tausig, a senior World Service executive, said: "We don't think there is a credibility problem. Research shows that our listeners abroad are increasingly used to the concept of public service broadcasters attracting some advertising." (Margolis/rec.radio.shortwave) On 26-August, the Beeb denied all. "Press Office spokesman Robert Wilson told Newline: The weekend press reports about advertising on the World Service were overblown. We are at an exploratory stage of talks with Saatchi & Saatchi, there is no chance of there being any advertising on the World Service." (Newline, via www.mediatel.co.uk/Woodward-UK) 

Pirate Radio Report

Chris Lobdell

P.O. Box 146

Stoneham, MA 02180-0146

Internet: lobdell@fiac.net

Hello and welcome to another edition of the PIRATE RADIO REPORT. I hope all of you have noticed the correct email address in the masthead. I'm signing up for broadband internet service via our cable TV provider. It's supposed to be 50 times faster than a 28.8 modem! We shall see.

This month I'm pleased to report that we have a station profile for you as well as an update on the Weiner-Becker radioship project plus lots of logs!

Weiner-Becker MV Electra Radioship Project Still Afloat

A couple of months ago we reported in this column that the project looked doomed. Money forthcoming from the religious backer had not arrived nor did it seem like it was ever going to arrive.

In late July I was riding around doing a couple of errands while listening to Howard Stern's AM talk radio show. One of Howard's guests was Randi Steele [a former Radio Newyork International crewmember]. Randi, it seems was a guest on the Stern show about 10 years ago during the RNI days. Howard had him back on because he had a sex change operation and was now a female. As Howard said, it was first guest to be on his show as both a male and a female! Anyway, Allan Weiner was with Randi to plug his book *Access To The Airwaves* and while talking about pirate radio, he mentioned the Radioship Electra project was still alive.

I emailed Anita McCormick, who wrote *Access To The Airwaves* for Weiner. She told me that Allan and Scott Becker were going to be guests on Boston's WRKO to plug the book and talk about the radioship project. Being the dedicated reporter/editor that I am, I stayed up until midnight to hear the interview on the Jeff Katz show. The hour-long segment featured disbarred lawyer and project head Scott Becker and of course Allan Weiner.

According to information given during the radio program, the MV Electra is basically ready to sail. All that had to be done was modify one of the generators, connect a few wires and they were ready to set sail by the end of the summer. During the show they gave the location of the boat as the Bang Corporation shipyard in East Boston. When crossing over the Meridian Street Bridge from Chelsea into East Boston, it's on your right.

Since Stoneham is only about 10 miles from there, I decided to take a look. The Electra is there with a shiny new radio mast in the center. The tug boat is a bit rusty with a black hull and a yellow cabin. It is not nearly as large as The Fury 5, Allan's last radio project. The boat is moored next to a large ship at the end of a long pier so I wasn't able to get too close. I hope to be able to arrange a visit and board the ship soon so hopefully I'll have an in depth report for a future column.

Scott Becker is heading the project and Allan Weiner is in charge of outfitting the vessel and operating the transmitters. The destination is a Caribbean country whose name is being kept secret. Programming will be that of the religious group funding the project and also Bill Bragg's "Yesterday USA Superstation" which features old time radio programming. Alternative programming will also be featured including old RNI programming from the 80's.

Anyway, that's the latest info!

Profile: Jerry Rigg'd Radio

This time we are pleased to present a profile from Simon Bar Sinister of JRR.

"Greetings and Salutations from JERRY RIGGED RADIO headquarters. In late March of 1996 JRR started transmissions to the world, or at least a small part of it. We don't know what we are doing and don't really care. We're just out to have some fun.

Our main transmitter is a Heathkit DX-35 running about 10 to 20 watts of raw AM power and we have just started to test a standby transmitter in LSB/USB.

You'll never know what we'll have on our programs because we don't follow an agenda or given theme. We love to mix it up some, especially by using different frequencies.

Don't even try to locate us! Our antennas are protected. The last person that trespassed and jumped our fence got his legs chewed off by attack ground squirrels when he stepped in one of their holes. Not a pleasant site!

We have 8 different QSL styles and a map we can give out. More designs are in the works. You never know what you'll get in your envelope. If you hear us, send all correspondence and reception reports to our maildrop at Jerry Rigged Radio, Box 28413, Providence, RI 02908."

Thanks to Simon at JRR for this interesting information. If you'd like your pirate station profiled here, send it along and we will be sure to get it printed.

Loggings!

Because of last month's earlier than normal deadline I was unable to include loggings that should have been in last issue's PIRATE RADIO REPORT, so we're doubling up this issue and include those dating back into July.

FREE HOPE EXPERIENCE was heard by Dan McCarthy in Georgia. They were heard on July 6th at 0000 UTC with comedy and playing "Stars and Stripes Forever. Frequency? Yep, the usual 6955 kHz in USB of course. FHX was also noted on August 3rd at 0205 to 0216 fade out. Programming included music and parody Ads. [Wilkins-MO]

KOLD, the Big Band format station was logged on July 6th as well with a program featuring Boogie Woogie tunes at 02:50 UTC on the usual frequency. [McCarthy-GA]

KRAP was heard on August 2nd in AM on 6955 kHz at 0152 UTC sign on playing a variety of music, even Christmas songs! They had a good signal in Missouri. [Wilkins-MO]

RADIO ECLIPSE was noted at 01:24 UTC on July 6th with music by James Brown and a parody AD for "Assheal Hemorrhoidal Treat-

ment". Yep, 6955 kHz USB. [McCarthy-GA] They were also logged by Bill Wilkins on August 2nd with a commentary about Andrew Cunannin. Reception was only fair to poor.

RADIO FREE EUPHORIA, with pothead Captain Ganja was noted on 6950 kHz at 0115 on July 27th. Reception was marred by QRM from Radio One also broadcasting at the same time. [Wilkins-MO]

RADIO METALLICA WORLDWIDE was heard by reporter William Wilkins in Missouri for the last time on July 27th on 6955 kHz in the AM mode. Dr. Tornado has been missing from the pirate bands for the last couple of weeks. Was he abducted by aliens or busted by the FCC? Did his transmitter blow up or did he fail to pay his overdue electric bill? Speaking about RADIO METALLICA, Randy Stewart also of Missouri said he received his first ever pirate QSL from them. It was a blue no data card with a personal note on the back.

RADIO ONE came back on the air in July after an hiatus. They were heard on July 27th at 0120 UTC playing their usual slick oldies format. Reception was very good on 6949.9 kHz in the AM mode.

TIE/TAKEITEASY RADIO is a new pirate. Bill Wilkins heard them for the first time on July 26th from 0558-0602 and then again on the same day from 0652-0654 sign off on 6955 kHz, USB. This North American pirate was heard as far away as New Zealand! They use the Box 1, Belfast, NY 14711 maildrop. [Wilkins-MO]

WLIS/WE LOVE INTERVAL SIGNALS was noted with a rather poor signal on August 2nd at 0048 with many interval signals. They use Box 109, Blue Ridge Summit, PA as their maildrop. [Wilkins-MO]

WREC/RADIO FREE EAST COAST with host P.J. Sparx was heard with a comedy program on August 7th at 0100 UTC. Bill says reception from this one is always very good with a steady signal. [Wilkins-MO]

Conditions should improve somewhat with lower static and noise levels this month, but earlier sunsets also mean lower MUFs in the evening hours causing the 43 meter pirate band to go dead at an earlier hour. Until next month, Happy Pirate DX!



QSL Report

Sam Barto
47 Prospect Place
Bristol, CT 06010



SPECIAL OFFER: Your QSL Editor is offering foreign postage stamps to use as enclosures or gifts with your reception reports. We are offering 600 stamps for \$5.00; 1300 stamps for \$10.00; or 2000 stamps for \$15.00. With each \$5.00 order we will include absolutely free at least 300 US stamps. Almost every stamp will be a commemorative. That's a total of 900 stamps for only \$5.00; 1900 stamps for only \$10.00 or 2900 stamps for only \$15.00! I try to make an offer you can't refuse. Please try to enclose \$3.00 for USPS Priority Mail Delivery.....Sam.

ALASKA: KNLS 9615 limited edition cd. in 11 wks. for a FAXed rpt.(Maroti).

ANGUILLA: Caribbean Beacon 11775 f/d

ltr. in 4 mo. w/ schedule for 2 IRCs. v/s Monsell Hazell, Chief Engineer. (Vaghjee-MAUR). 6090 same in 116 ds. for \$1.00. VIC # 205.(Buer).

ANTIGUA: Deutsche Welle 6040 n/d cd. in 79 ds. for E-mail rpt.(Neal-TX).

ARMENIA: Voice of Armenia 9965 f/d yellow cd. in 1 mo.(Myers-VA). f/d "50th Anniversary" cd. w/ personal ltr. and stickers in 4 mo. v/s Mr. Levon Ananikian.(Owsley-CA).

Radio Intercontinental 9965 rcvd. personal ltr. which said my details did

not match their program schedule (It was them!) but I rcvd. 2 f/d cds!

I think he may of been looking at an older schedule. (Renfrew-NY).

ASIATIC RUSSIA: Voice of

Russia 9810 via Komso-molsk-on-Amur f/d cd. in 1 mo. (Vaghjee).

12065 Radio Nederland "Curtain Antenna" cd. in 23 ds. Also rcvd. 3

limited edition cds.(Hosoya-JPN).

"Diana and Marks" cd. in 432 ds.

along w/ a "750th Anniversary

cd. for Media Network.(Hosoya).

BENIN: ORTB Cotonou 4870 colorful cd. in 25 ds. for 1 IRC.

BONAIRE: Radio Nederland 6165 "1940s PCJ Rotating Beam Aerial" cd. in 89 ds.(Bueneman-MO). cd. in 14 mo. for 2 IRCs. (Wilkins-CO).

BRASIL: Radio Cancao Nova 4825 blue cd. w/ religious brochures in 65 ds. for 2 IRCs.(Vaghjee).

BULGARIA: Radio Bulgaria 9700 cd. w/ ltr. and sked. in 121 ds. v/s Christina Pechevska.(Bueneman).

CHINA, PEOPLES REP. OF: China National Radio 4460 f/d "Building" cd. in 35 ds.(Vaghjee). Radio Beijing 9890 f/d cd. in 1 mo. w/ stickers and brochures.(Vaghjee).

CUBA: Radio Rebelde 5025 f/d ltr. w/ sticker in 178 ds. for a SP rpt.(Pasquale-PA).

Mr. John Sgrulletta
337 Bulliet Mole Rd.
Mahopac
New York 10541-2605

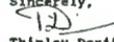
Dear Mr. Sgrulletta,

This is to confirm that what you have recorded is indeed the Dzongkha (national language of Bhutan) program on the Bhutan Broadcasting Service. The BBS has programs in four languages including Dzongkha - Sharchopkha (language spoken in Eastern Bhutan, Bhutan's most populous region), Nepali (language spoken in Southern Bhutan) and English, the program details of which I am sending you for the week 29 January to 4 February 1984. The weekly broadcast times for BBS starts at 6 pm and ends at 9 pm local time.

If you have any further questions, please do not hesitate to contact us. We will answer what we can or at least pass on your queries to authorities at BBS.

In the meantime, happy listening.

Sincerely,


Thinley Dorji
Second Secretary

(Vaghjee).



ECUADOR: HCJB 9745 f/d cd. w/
schedule in 1 mo. for 2 IRCs.
(Vaghjee).

EGYPT: Radio Cairo 17595 f/d cd.
of "Wooden Sculpture" in 1 mo.
w/ schedule. (Vaghjee).

FINLAND: Radio Finland 11755 cd.
of "Aerial View of Radio Fin-
land" in 65 ds. w/ schedule
for a taped rpt. (Vaghjee).

GABON: Africa No. One 17630 n/d
ltr. in 17 ds. after a f/up
rpt. w/ \$1.00. (Maroti-NY).

GERMANY: West Coast Radio 5910
via Julich f/d "Cliffs of Mo-
her" cd. in 222 ds. (Pasquale).

NOTES: Bill Wilkins sent in a few items
for this months QSL Column. He says
that he plans to have many more in
the future. Hope so... Sam. **Denis**
Pasquale was very pleased with his last two QSLs namely, Radio Rebelde,
which took a f/up report and West Coast Radio which took more than 200
days to reply. **George Maroti** is on vacation visiting his parents in
Hungary. Wish I was with you. My father was Hungarian.

Sam. **Daniel McCarthy** sent in the promo sheet from WARR. It is quite
interesting reading. I got a kick out of it. I didn't know that Presi-
dent Clinton snuck into Lincoln's bedroom in the White House to smoke
a joint. I suppose if you not inhaling it isn't against the law. Hi!

same in 6 mo. for 2 IRCs. Form ltr. and schedule rcvd.
(Wilkins-MO). large cd. w/ form ltr. in 3 mo. after an
E-mail f/up rpt. (Berg-MA). p/d cd. in 253 ds. for 1 IRC.
(Neal-TX). 11665 same in 174 ds. w/ ltr. and schedule.
(Humenyk-ONT). **Deutsche Welle 7260 "Globe"** cd. w/ Lon-
don postmark in

120 ds. (Bueneman)
GUAM: KTWR 11665 f/d
cd. in 1 mo. (Mar-
oti-NY).

GUATEMALA: TGMI Radio
Buenas Nuevas 4800
p/d cd. w/ ltr. in
105 ds. for a SP
rpt. (Neal-TX).

HOLLAND: Radio Ned-
erland 6020 n/d
"Johnathan Marks

and Deanna Jansen Photo" cd. in 66 ds. (Humenyk). 9720 f/d limited edition
cd. (Berg-MA).

HUNGARY: Radio Budapest 6075 via **Diosd** f/d cd. in 24 ds. (Humenyk-ONT).

INDIA: All India Radio 5010 via **Thiruvanthapuram** f/d form ltr. direct
from the site in 5 wks. for \$1.00. for \$1.00. (Myers-VA). 4820 via **Cal-**
cutta f/d ltr. on their letterhead in 50 ds. v/s R.N. DAM, Superintend-
ing Engineer. (Vaghjee). 4850 via **Kohima** f/d cd. in 50 ds. for 2 IRCs.
v/s A.K. Bhatnagar. (Vaghjee).

JAPAN: Radio Tampa 6115 f/d "NSB" cd. in 27 ds. (Owsley-CA).

QSL Verification
Radio **RRJ JAMBI**
Kepada Yth. Tuan **JOHN L. SGRULLETTA**
Ini membenarkan laporan tuan dari Radio
siaran pada gelombang **60.9** meter atau frekuensi **4925** kHz.
pada **27-12-1976** dari **19.27** sampai **19.51**
waktu Indonesia Bagian **Batal** Pemancar kuasa studio
kami **5** kw. dengan **18 m** antena. **Di pada 3 wks**
Banyak terima kasih untuk laporan tuan.



GOVERNMENT OF INDIA
ALL INDIA RADIO : THIRUVANANTHAPURAM-695014.
[KERALA : INDIA]

No.TVH.11(2)/96-R.

Dated: 04.11.1996.

Mr. Christopher R. Lobdell,
Post Office Box 146,
Stoneham,
Massachusetts 02180;
U.S.A.

Dear Sir,

This is to thank you for your reception report dated 11th
March, 1996.

We are sorry for the belated reply. Your reception report
has been verified and confirmed that you listened to the 30 KW
Shortwave Regional Transmitter of All India Radio, Thiruvananthapuram.

We are surprised to note that reception is good in your area
as it meant for regional service. Most of the programmes are in
Malayalam, the local language.

Wish you happy listening.

Yours faithfully,

N. H. KUMAR
STATION ENGINEER

**WEWN WORLDWIDE
CATHOLIC RADIO!**
PO BOX 100234 BIRMINGHAM, ALABAMA 35210 (205) 672-7200

This is a special RCI QSL card
to celebrate our 50th anniversary.

Cette carte QSL souligne le
50e anniversaire de RCI.

Date	Time	Info
to Dec.	Hour	

1976	0610-0630	G15D
------	-----------	------

Program description de l'émission

Via Sackville

CANADIAN FORCES NETWORK

Station
Henry Weisborn
Address/Address
1114 Clifford Drive
Houston, TX 77055-6010

JORDAN: Radio Jordan 6035 "Logo/
Flag" cd. in 25 mo. after 5
f/up rpts. v/s Jawad Zada. (Ow-
sley). 11935 f/d cd. in 254 ds
for 1 IRC. (Neal-TX). 11690 f/d
cd. in 60 ds. (Vaghjee). 15270
and 9560 f/d cds. in 3 yrs. &
2 yrs. respectively. (Myers-VA)

KENYA: KBC Maralal Station 4935
ltr. in 40 ds. for a taped rpt
and 2 IRCs. v/s Martin Ouma
Ojwach. (Vaghjee-MAUR).

Mr. Gary R. Neal
7410 ORCIARD III, S. LANE,
Sugar Land, TX 77479-6122
USA



JABATAN PENYIARAN,
BANGUNAN PENYIARAN,
93614 KUCHING,
SARAWAK.

Sir,

Subject: Short-wave Reception Report on frequency 7270 kHz.

1. I acknowledged the receipt of your letter dated 24th August 1996 with thanks. Herewith I wish to confirm and verify with you the subject as quoted above.

2. In regards to the frequency being monitored in your country at 7270 kHz (Short-Wave Band) is of Radio Malaysia Sarawak being transmitting from Kuching Sarawak and the program you monitored was in Bahasa Malaysia (our National Language in the Country Malaysia).

3. For your information and guidelines, I enclosed herewith our other Short-Waves frequencies allocations in Sarawak for your listening pleasure.

* GREETINGS FROM THE LAND OF THE HORNBILLS SARAWAK *


(COLIN A. MINOH)

PALAU: KBNB 9965 "World Map" cd. w/ schedule in 40 ds. for 1 IRCs. (Vaghjee). f/d cd. w/ sticker in 18 ds. for \$1.00. (Readore). 9985 same in 23 ds. w/ schedule. (Hosoya-JPN).

PAPUA NEW GUINEA: Radio Milne Bay 3365 f/d itr. in 68 ds. for a taped rpt. and ms. v/s Simon Muraga, Station Manager. Station actually said they listened to the tape. (Rippel).

PHILIPPINES: FEBC Radio International 11995 f/d cd. w/ personal itr. in 47 ds. for 1 IRC. (Neal-TX).

RHODES: VOA 9865 f/d "Colorado River" cd. for ms. (returned) (Renfrew-NY).

NOTES: John Scruletta says he was very pleased with his recent QSL from Radio Zambia.

It took quite a while to get this one and I had given up hope. Now if some of my AIR reports will get answered. Thanks for the sticker... Sam. I have the same problem with the AIR - several reports out to the regionals with little in the way of replies... Sam. **Paul Brouillette** says that QSLing is slowing down a bit. He can remember when we had a full page of Brazilian or Colombian QSLs. I do too!... Sam. **Denis Pasquale** says that his report writing may slow down a bit with the advent of Little League Baseball and the kids. Get a few hits for me... Sam.



ROMANIA: Radio Romania International 5990 f/d "Costumes" cd. in 102 ds. w/ schedule. v/s F. Dochinou. (Humenyk-ONT). **Radio Moldova International** 7500 via **Galbeni** f/d prepared cd. w/ site. Addr: RMI QSL Bureau via Rumen Pankov, Box 199, 1000 Sofia-C, Bulgaria. (Renfrew-NY)

RUSSIA: Voice of Russia 9665 f/d cd. w/o site in 62 ds. (Levison-PA). cd. in 35 ds. w/o site. (Vaghjee).

SEYCHELLES: BBC 6005 f/d itr. in 1 mo. for \$1.00. (Myers-VA).

SINGAPORE: Radio Singapore International 6015 cd. w/ literature, pen, stickers and T-shirt in 40 ds. (Vaghjee).

SOUTH AFRICA: Trans World Radio 11730 via **Meyerton** "Sunset at an FM Transmitting Station" cd. in 56 ds. for 3 IRCs. v/s Kathy Otto. (Bueneman-MO).

SPANISH MOROCCO: Radio Mediterranee International 9575 cd. w/ itr. in FR w/ sticker and schedule in 6 mo. (Vaghjee).

SWEDEN: Radio Sweden 15240 cd. in 13 ds. w/ schedule. (Hosoya).

SWITZERLAND: Swiss Radio International 7480 via China cd. in 16 ds. (Hosoya-JPN)... Should of placed this under PRC... Sam.

TAJIKISTAN: Voice of Russia 4730 via **Dushanbe** f/d "Peoples Friendship Fountain" cd. in 35 ds. (Vaghjee-MAUR).



Verification Certificate

Radio Station: Lao National Radio
 Transmitting from: Vientiane, Lao People's Democratic Republic
 Frequency: 7.145 MHz
 Power:
 Time, Date: 31 May 1991

via Henry Lazarus

We confirm with pleasure your listening report which confirms to the program we broadcast. Thank you.



Stamp/ seal

Signature

S. MALIVARN

11835 "Moskva River" cd. in 35 ds. (Vaghjee).
USA: Radio NADECO 5070 via **WWCR** * white sheet w/ short QSL statement in 2 wks. for a taped rpt. and ms (returned) (Berg). **KJES** cd. in 2 mo. for ms. (Stuart-OK). **WSHB** 9355 f/d cd. in 81 ds. (Humenyk-ONT).
USA (Pirate): Radio Metallica Worldwide 6955 n/d blue cd. w/ personal note in 1 mo. for ms. My first pirate! (Stewart-MO). same in 19 ds. for \$1.00. (Pasquale-PA). in 35 ds. for \$1.00. v/s Dr. Tornado. (McCarthy-GA). in 19 ds. for ms. (Plume-NY). cd. in 6 wks. for ms. (Bueneman-MO). 6952 p/d "Logo" cd. in 15 ds. for SASE. (Wilkins-MO). **WPN** 6955 sheet in 82 ds. for \$1.00. (McCarthy-GA). **Radio Tellus** 6955 f/d certificate in 38 ds. for \$1.00. (McCarthy). **Partial India Radio** 6955 p/d "Sgt. Pepper" QSL sheet in 6 wks. for 3 ms. (Maroti-NY). **WARR** 6955 f/d ltr. in 277 and 166 ds. for \$1.00. Also rcv'd, a nickel bag as promised to the listeners. (McCarthy). **KRAP** 6955 f/d "Antique Radio" cd. in 6 wks. for 3 ms. (Maroti-NY).

UZBEKISTAN: Radio Nederlands 15585 via **Tashkent** f/d old "PCJ" QSL limited edition cd. in 27 ds. (Humenyk-ONT).
VENEZUELA: Radio Amazonas 4940 f/d * cd., w/ personal ltr. and a business cd. via registered mail in 5 wks. after a f/up rpt. for

A		V
M		E
A	Q. S. L.	N
Z	via Rausch	E
O	<i>Radio Amazonas</i>	Z
N		U
A	<i>La Radio</i>	E
S		L
		A

NOTES: Denis Pasquale says that persistence has finally paid off. He received a reply from the Voice of Armenia after writing to their Embassy. He received stickers, a schedule, station history and a personal letter. His report was even read on their Mailbag Program. Now he hopes to have the same success with Radio Nacional del Paraguay. **John Scruiletta** was thrilled with his QSL from Panji, Goa. He is now awaiting a reply from Gangtok....I've noticed that AIR hasn't sent out as many QSLs as in the past. I still have several reports out to them...Sam.

a taped rpt. and US station stickers. v/s Francisco Jose Ocano, who works at Radio Continental in Barinas but has the authority to verify reports. He is an avid collector of US stickers. Addr: Urb. 23 de Enero, Calle Nicolas Briceno No. 18-266, Barinas 5201-A. (Lazarus). in 6 wks. after 3 f/up rpts. and a taped rpt. v/s as above and Angel M. Perez, Director. Handstamp in the upper left-hand corner of the envelope says "Radio Aficionado, Actividad de Interes Nacional, Tarifa Postal Reducida". A special postal rate for DXers??? (Berg-MA).
ZIMBABWE: Zimbabwe Broadcasting Corporation-Radio 4 3396 "Map" cd. in 87 ds. v/s Charles Warikandwa. (Bueneman-MO).

We have a short one this month. Either going back to college, school or on vacation. Probably a little of everything.

Best of QSLing.



Net Notes

Tom Sundstrom
P.O. Box 2275
Vincentown, NJ 08088-2275
Fax: 609-859-3226
Internet: trs@trsc.com
<http://www.trsc.com>

Greetings. This column focuses on what's new on the Internet within the realm of international broadcasting and the associated interests within the Journal. Your suggestions and comments are welcome. Find something that you think we should be aware of? Send us e-mail at trs@trsc.com.

Yuki Sakagami of Japan told us of several new Middle East and north Africa broadcaster sites. The Sultanate of Oman Television and Radio has streaming audio at <http://www.oman-tv.gov.om/>, as does the Voice of Palestine at <http://www.bailasan.com/pinc/voice.htm>. Radio Cairo, using the site of the Egypt State Information Service, is testing audio at <http://www.sis.gov.eg/vidaudio/html/audiolfm.htm>. Radio Casablanca, which is an alias for Radiodiffusion TV Marocaine, has a fancy page with audio at <http://www.maroc.net/rc/>.

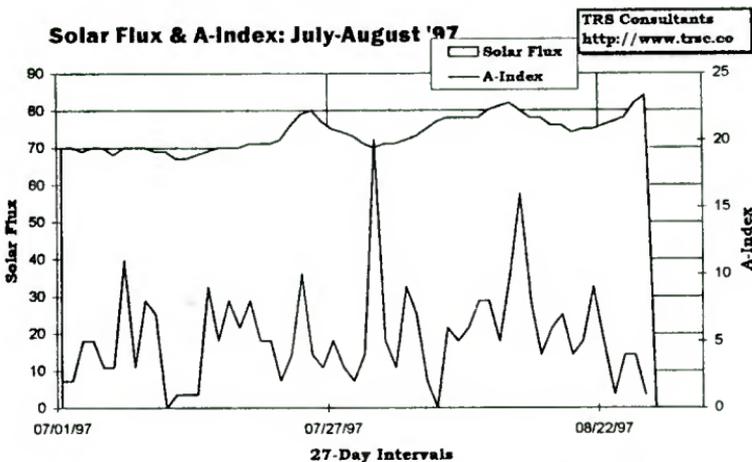
Andy Sennitt, editor of the World Radio TV Handbook, informs us of updated URLs: the Web site of Bayrak Radio Television to <http://www.emu.edu.tr/~brt> and KNLS

Alaska to <http://www.knls.org>. Additionally, All India Radio has a much improved set of pages, including streaming audio, at <http://www.allindiaradio.org/>.

Lithuanian Radio has a new page at <http://www.lrtv.lt/lr.htm> as part of the overall upgrade of the national broadcaster's pages at <http://www.lrtv.lt/>. There is only a brief mention of Radio Vilnius under the heading "External Broadcasting". However, there is a RealAudio link that makes listening to Radio Vilnius much easier than digging it out from the crowded spectrum at night and certainly better than the afternoon broadcast, difficult to hear in North America due to the low frequency and daylight path.

Sennitt also found a history page. Take a look at "Irish Pirates of the Early '80's", at <http://www.users.zetnet.co.uk/pbuckle/radio.htm> and remember when.

When entering the URLs above that break on a line, remember there are no spaces when typing them into the browser.



Scoreboard

Jerry Lineback
220 West Third
Garnett, KS 66032

Greetings and welcome once again to the NASWA SCOREBOARD. The SCOREBOARD is a quarterly feature of the NASWA JOURNAL. In it, DXers, from beginners to seasoned veterans may share their progress in the hobby. C/H = Countries Heard and C/V = Countries Verified. Country counts should be made according to the NASWA Radio Country List available from HQ. You must update at least once a year to remain on the SCOREBOARD. The SPOTLIGHT this issue is on Oceania. Next deadline is November 15 with the SPOTLIGHT on South America. Thanks to all. You may use e-mail to jalinebk@kanza.net

Name, State	Total		Oceania		Best Oceania QSL
	C/H	C/V	C/H	C/V	
Dan Henderson, MD	243	233	20	20	Cook Is.
Marlin Field, MI	240	239	22	22	R. Kerema 3245
William Flynn, OR	240	223	21	21	VQ02 Solomon Is
Jerry Berg, MA	238	236	21	21	Fiji
Gerry Bishop, FL	233	215	20	20	Cook Is.
John Sgrulletta, NY	231	231	20	20	Cook Is.
Steven Lare, MI	229	209	21	21	Marshall Is.
Nobuaki Takahashi, Japan	226	201			
Terry Palmersheim, WA	224	213	21	21	A3Z Tonga
Richard A. D'Angelo, PA	220	213	21	21	
Sheryl Paszkiewicz, WI	218	211	20	20	Kiribati
Richard Davis, NM	218	209	20	20	Kiribati
Paul Buer, FL	217	205	19	19	R. Cook Is.
Rick Krzemien, CA	216	212	21	21	Solomons
Ron Howard, CA	215	200	21	20	Tonga
Fred Kohlbrenner, PA	214	190	19	19	R. Cook Is.
Niel Wolfish, Ont.	214	163			
Christos Rigas, IL	212	193	20	19	Cook Is.
Jerry Klinck, NY	212	189	19	18	Fiji 3284
Stephen E. Pitts, MN	207	196	19	19	R. Cook Is.
Jerry Lineback, KS	206	108	18	8	SIBS
Charlie Washburn, ME	204	163	15	9	Solomon Is. BC
Daniel McCarthy, GA	189	164	12	11	Cook Is.
Stephen Price, PA	187	161	12	11	R. Kiribati
Jim Renfrew, PA	183	147	13	10	R. Solomons
Allan Loudell, DE	182	153	15	13	RRI Serui
John C. Eckert, PA	179	162	15	14	Cook Is.
Gary Froemming, AZ	178	44	11	5	VNG Australia
Andy Rugg, Que.	175	155	7	7	ABC Perth
Ross Comeau, MA	175	142	15	13	Kiribati
Bill Bergadano, NJ	175	120	11	8	R.E.N. Britain
Richard Hankison, KS	164	141	15	14	Radio Kiribati
Scott Helm, KS	163	115	10	8	NBC Pt. Moresby
Mark Hymenyk, ONT	162	130			
Carl Radtke, WA	153	153	10	10	Cook Is. 500W
Dan Ziolkowski, NY	152	70	9	7	Solomon Is.
Philip Atchley, CA	151	104	12	9	Tahiti
George Maroti, NY	151	100			
Wally Peters, MN	142	114	9	8	Hawaii
Bob Raymond, NH	137	110			
Robert E. Gearing II, FL	135	105			
Joseph P. Zobro, MI	130	94	12	9	Tahiti
Jill Dybka, TN	123	88	9	7	ABC Perth
John S. Brown, OK	121	111	10	8	SIBC
Gary R. Neal, TX	109	89	7	7	RFO Tahiti
Don Dacus, AR	65	31	3	2	RNZ
Sean Warner, MN	59	34	2	2	
Kelvin Buechert, MB	50	20	3	1	
Signee Hoffman, CA	39	28	2	2	

Contributors' Page

Fred S. Kohlbrenner
2641 S. Shields St.
Philadelphia, PA 19142
Internet: fkoehl@ix.netcom.com

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members contributed loggings:

Jerry BERG, Lexington, MA	R8 165' LW
Brian BOULDEN, Fairfield, CA	Sangean ATS-909 MFJ-956 LW
Erik BUENEMAN, Hazelwood, MO	ATS-803A MFJ-1778 G5RB antenna
Pedro M.C. de CASTRO, Lorena, Brasil	Sony ICF-2001D 20m LW MFJ-16010
Ralph FAMULARO, Hyugo-ken, JAPAN	ICF-SW55 ATS-803A R5000 LW
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Bill FLYNN, Cave Junction, OR	R8 DX-Ultra inverted V
Bob HILL, Littleton, MA	Sony 2010/whip 120' dipole RW Loop
Mark HUMENYK, Weston ONTARIO	Magnavox D-2935 AN-60 antenna
David KRAUSE, Eastlake, OH	
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
William McGUIRE, Cheverly, MD	DX-380
Jim MOATS, Ravenna, OH	DX-440 48' indoor dipole
Bob MONTGOMERY, Levittown, PA	R388 DX Pro active antenna
Gary NEAL, Sugarland, TX	Grundig YB-400
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Jay NOVELLO, Wake Forrest, NC	R8A LW's
Benton OWSLEY, Ventura CA	NRD-525 100' LW
Denis PASQUALE, New Brighton, PA	Sony 2010 beverage antennas
Sheryl PASZKIEWICZ, Manitowoc, WI	R8 NRD-525 60' LW Eavesdropper
Ed RAUSCH, Cedar Grove, NJ	R5000 Sony 2010 MFJ-959 Eavesdropper
Bob RAYMOND, Nashua, NH	IC-745 40meter 1/2 wave vertical
Jim RENFREW, Rochester, NY	R8 A/D Sloper
Chuck RIPPEL, Cornland, VA	R390A R8A R1051H SP-600 51S-1 LW's
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
Mike RYAN, Bangkok, THAILAND	
Giovanni SERRA, Rome, ITALY	NRD-525 AD Sloper
John SGRULETTA, Mahopac, NY	NRD-515 AD Sloper Moseley trap dipole
Randy STEWART, Springfield, MO	FRG-100 w/Collins filters
Mahendra VAGHJEE, Rose Hill, MAURITIUS	Lowe Europa 225E Sony 2010 LW ARA60
Dan ZIOLKOWSKI, South Buffalo, NY	R8 Sloper SPS NRF-7 SEM QRM Eliminator

Many thanks to our loyal members who sent in items this month. Contributions were kind of light again as I expect many of our members were on vacation. Things should pick up again next month as the DX season gets going. The month of September is a good time to check on the condition of your present antenna systems, and to put up those new ones you've been dreaming about.

New member Terry Wolf in Ohio would like to contact other NASWA members in his area. If you are nearby and would like to correspond with Terry you can write to him at: 4750 Rule Road, Bellville, Ohio, 44813-9118.

See you next month.



Tropical Band Loggings

Sheryl Paszkiewicz
P.O. Box 152
Manitowoc, WI 54221-0152

- 3220 NEW GUINEA R Morobe 8/2 1010 flute mx, vcls, PD tkl (Ripp-VA)
3270 NAMIBIA NBC 2 7/6 0058 pop mx, no anmts, //3290 (Serr-IT)
3290t PAPUA R Central 8/2 1030 weak w/tlks, only copiable on R390A/
SE-3 combo. (Ripp-VA)
3315 ADM ISL R Manus 8/2 1021 vcls, island guitar mx (Ripp-VA)
3320 SOUTH AFRICA SABC 7/5 2347 phone calls, mx bridge, poss ID
(Serr-IT)
3345 SOUTH AFRICA World Mx R 7/5 2016 pops, anmts, addr in Denmark,
ID (Serr-IT)
3365 INDIA AIR Delhi 6/12 1702 sitar mx made having insomnia
almost worthwhile, f-g (Famu-JP)
3366 GHANA GBC 7/6 1920 tkl, Afr pops, poss EG, poor (Serr-IT)
3375p NEW GUINEA R Western Highlands 6/21 1148 choral song, tkl, C&W
weak & splattered by NHK Osaka on 3373.5 (Famu-JP)
3395 NEW GUINEA R Eastern Highlands 7/12 0940 pop mx, PD tkl, ID
1000, island choral mx (Raus-NJ)
3970 UNID 7/23 2300* big carrier like last yr. Europop vcls, anmt
2258, poss choral march. Not //Kaduna 4770, Yaounde or Enugu
Surely somebody in EU or AF has an idea who this is (Hill-MA)
4790 PAKISTAN AKR 7/6 0015 tkl, nx, instl, ment Pakistan (Serr-IT)
4790 PERU R Atlantida 7/17 1000 "musica Andina. .patria" (Robi-TN)
7/22 1050 LA mx, cmtry, promos (Newb-NE)
4800 ECUADOR R Popular 6/29 0035 gospel mx, cmtry, fair (Hume-ON)
4800 INDIA AIR Hyderabad 7/24 *0025 IS, SC mx bridge, ID (Raus-NJ)
4805 BRAZIL Rdf Amazonas 8/2 0930 PT rel pgm, "Amazonas. . . mundo"
nx, good (Robi-TN)
4810 ARMENIA Vo Armenia 7/6 1928 AR mx, tkl //4990 (Serr-IT)
4814.9 N KOREA R Pyongyang 6/19 1123 EG tkl on the masses and
revolution. Spur? Sub-harmonic? (Famu-JP)
4815 BURKINA FASO RTV 7/6 1934 FR nx, mx, anmt, poss ID (Serr-IT)
4820 HONDURAS LV Evangelica 7/2 0033 gospel mx, cmtry (Hume-ON)
7/22 1058 LA rel mx, anmts, marimba mx (Newb-NE)
4824.9 GUATEMALA R Mam 7/10 1110 rel pgm, prayers, out of tune band,
ID 1120, loud (Nove-NC)
4830 VENEZUELA R Tachira 7/2 0114 cmtry, discussion, f-g (Hume-ON)
4835 MALI RTM 7/6 1942 IS, nx, mx (Serr-IT)
4845 UNID LA stn in lang 7/19 0338 ballads, unclear tkl (Serr-IT)
4860 INDIA AIR Delhi 7/6 1808 vcls, strings, noisy (Serr-IT)c
4875.1 BOLIVIA La Cruz del Sur, 6/15 1048 LA mx, tkl, TC, 1100
ID, rel tkl, p-f (Famu-JP)
4890 GABON RFI Relay 7/13 0502 nx, taped rpt, poor (Hume-ON)
4905 CHAD RNT 7/13 0504 Afr pops, f-g (Hume-ON)
4914.4 PERU R Cora 7/12 1045 Radioperiodico de Cora pgm, ID 1050, NA
barn sfx (Nove-NC)
4915 BRAZIL unid 7/6 0030 song, anmts, hilife, unclear ID (Serr-IT)
4915 GHANA GBC 7/13 0506 Afr pop mx, p-f (Hume-ON)
4919 ECUADOR R Quito 7/19 0324 nx, ID, TC, ads, p-f (Serr-IT)
8/3 0458 SP mx, 3 tones 0500, ads (Boul-CA) 7/13 0508 mx,
tkl group (Hume-ON) 7/16 1000 nx, mx, ID (Robi-TN) 7/22
1101 M&W alternating nx items (Newb-NE)
4930.6 HONDURAS R Internacional 7/22 1105 nx (Newb-NE)
4960 DOM REP R Cima 7/13 0511 discussion (Hume-ON) ID?
4975 COLOMBIA Ondas del Orteguaza 7/11 1040 Amanacer Campesino pgm,
vcls, sfx, Todelar promos. NA, chimes, ID, Noticias Todelar
(Nove-NC) 7/23 1053 folk mx, NA, ID 1100 (Newb-NE)
4980 VENEZUELA Ecos del Torbes 7/23 1048 fiery anmts, promos (Newb)
4991 PERU R Ancash 7/24 1040 Quechua & some SP anmts, ethnic mx,
unusual instruments (Newb-NE)
5009.5 MADAGASCAR RTV Malagasy 7/19 0309 poss FR mx, jingle, ment

Madagascar, fair (Serr-IT)
 5015 TURKMENISTAN TR 7/6 0119 lang, string mx, anmts (Serr-IT)
 5019.3 COLOMBIA Ecos del Atrato 7/9 1110 wx, sports nx ment Tyson,
 Caracol promos //5076.8 except lcl ID 1115 (Nove-NC) Jay, the
 Colombian you hrd on 6014. was R Mira--sp.
 5019.9 PERU R Horizonte 7/23 1103 canned ID, nx (Newb-NE)
 5020 SOL ISL SIBC 8/2 1047 lcl mx, tlks, fair (Ripp-VA)
 5030.1 COSTA RICA AWR 7/19 0255 EG rel mx, IS, ID 0300, sermon (Serr)
 5060 UZBEKISTAN R Tashkent 7/25 2252 CH w/translations of FR and RS
 sound bites. Oriental vcl & orch, 2258* (Hill-MA)
 5070 USA R NADECO via WCCR 7/22 0500 IS, nx, cmtry, addr (Renf-NY)
 7/23 1044 shouting preacher w/sore throat (Newb-NE)
 5077 COLOMBIA Caracol 7/15 0930 ID, nx (Robi-TN) 7/23 1040 ID,
 promos, anmts (Newb-NE)
 5522.2 PERU R Sudamerica 7/27 0125 romantic ballads, pops, ID 0130
 "R Sudamerica, AM Mil Sesenta, Super Exitos!" (Nove-NC)
 5810 USA KAIJ 7/8 0050 EG Dr. Gene Scott preaching (Hume-ON)

Thank you to those who took the time to contribute. Soon we will be getting back to the DX season in North America. This month reporters from 6 states, 1 Canadian province and 2 foreign countries. If you happened to listen to Hello from Tokyo Saturday night, August 23, you heard your editor on the air. I didn't sound quite as stupid as I thought I would. They called me up in June in response to a reception report.

Here in Wisconsin the weather has already turned to fall. In a couple weeks I will have moved to a new apartment. However, that doesn't affect my mailing address, PO Box 152. Unfortunately, I will have to abandon my external antenna, but I have a couple ideas lined up. I'm only hoping I won't experience a lot of electrical noise from neighboring apartments.

Recently we heard promising news of new or returning countries returning to shortwave. On DX Party Line Ken MacHarg has also spoken to some operators of new Latin American stations. If you like the tropical bands, keep an ear out for new stations during your bandscans.

WORLD OF RADIO SCHEDULE, effective August 26:

NOTE: some important changes in our schedule on WWCR=-

On WWCR Nashville, Thu 2030 15685, Sat 0600 5070 AND 3210, Sat 1130 5070, Sun 0900 3210, Mon 0300 3215 [NEW], Tue 1230 15685.

On RFPI Costa Rica: Fri 2000, Sat 0400, 1100, 1800, Sun 0200, 0900, 2300, Mon 0700, Tue 1900, Wed 0300, 1000--on 15050 AM in 1900-0500 period, 7385 2200-1200, NEW 7585-USB 0000-1200.

NEW!! On WGTG, Georgia, UT Tue 0400 on 5085-USB. If the tape arrives before Monday additional unscheduled times may occur, such as UT Mon 0515 on 5085-USB or on 9400 Sat, Sun daytime (Hauser, Aug 27)

Updated weekly or as needed. Please publicize at least the WWCR and RFPI portion, and delete any outdated times from your lists. All times and days UT. Subtract 5 hours from UT for CDT. W.O.R. is a listener-supported, public-service program about communications around the world, especially, but not limited to, Shortwave Broadcasting. Look for separately distributed rundowns of topics in each half-hour edition, or on our website, now reachable at a shortened URL on newer browsers: <http://idt.net/~khecht19/ghauser> also usually in RFPI Weekly Updates, previews by E-mail or newsgroups. ###

International Band Loggings

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

- 5930 SLOVAKIA RSI in EG 0100, ID, fqys, nx re floods in Slovakia (McGuire MD, Pasquale PA 7/11)
- 5960 CANADA R Japan relay in EG 0130, pgm on interval sigs, mx (Boulden CA 8/3, Humenyk ONT)
- 6020 NETHERLAND ANTILLES RN relay in EG 2355, pgm on Peter the Great, exc (Fraser MA 7/20)
- 6035 SAO TOME VOA relay in EG 2050, messages re missing people in Sierra Leone (Famularo JP 6/15)
- 6120nf HUNGARY R Budapest in EG 0100, nx, ID, "Hungary Today", QSL contest (Krause OH 7/26)
- 6120 OMAN R Sultanate of Oman in AR 2131*, Qu'ran, ID, NA, //9735 under D Welle (Hill MA 7/12)
- 6140 ALBANIA R Tirana in EG 0230, cmntry on Socialist domination in elections, f (Pasquale PA 7/22)
- 6155 ROMANIA R Romania Int in EG 0210, nx, ID, rpt on Nato, ment Pres Clinton (McGuire MD 7/12)
- 6165nf IRAN VOIRI in EG 2203, tlk on Mohammed, ID, Iranian press rpts, f-g (Famularo JP 7/14)
- 6165 ZAMBIA R Zambia in EG 1807, world nx, ID, //4910 until after nx, f-g (Famularo JP 7/14)
- 6175 CANADA BBC relay in EG 0200, rpt on econ summit, taped speech (McGuire, Humenyk ONT)
- 71025usb BOSNIA-HERCEGOVINA RBH Sarajevo in lang 0135, classical piano concert, ID, 4+1 pips 0200, ancmts, rock mx, ID 0228, washed out by D Welle 0300 (Renfrew NY 7/27, Krause NJ 7/26)
- 7150 UKRAINE R Ukraine in EG 0050, nx in brief, cmntry on corruption, fqys, g (Humenyk ONT 7/8)
- 7150 INDIA AIR in EG 2143, subcont mx, ID 2200, nx, usually blocked by RU, //7410 g (Hill MA 7/10)
- 7160 ALBANIA R Tirana in EG 0145, IS, ID, sked, fqys, nx: Alb Pres re new govt (Newbury NE 7/29)
- 7165 ETHIOPIA R Ethiopia in EG 1608, animated tlk mixed w/Western pop mx, ID (Famularo JP 7/12)
- 7190 BENIN ORTB Parakou in FR 2301*, DJ w/hilife & rock mx, ID 2259, NA, f (Hill MA 7/12)
- 7210 BELARUS R Belarus Minsk in lang *0300, IS, ID, NA, nx in RS (Rausch NJ 7/6)
- 7290 SWEDEN RS in EG 0130, call for reform on Swedish tax pgm, drug bust at rock concert, feature on genetic modifications in plants, Swedes going for more tent camping (Pasquale PA, Newbury NE)
- 7300nf TURKEY V of Turkey in EG 0300, IS, ID, fqys, political nx, TK mx (McGuire, Newbury 7/30)
- 7485 NORWAY RNI in EG 0412, nx: farmers being prosecuted, sports nx, p (Boulden CA 8/3) NOTE: R Norway provides EG pgm on Sundays only (our Saturday evening)
- 8098 lsb ARGENTINA R Rivadavia in SP 0932, political tlk, vocals, discussion, ID, ad7, occas UTE QRM (Famularo JP 6/15) hrd also 0430 w/US pops, ment "Aspen" FM stn in Buenos Aires (Renfrew 8/2)
- 9375nf UZBEKISTAN R Tashkent in Uzbek? *0130, IS, Central Asian vcls, //9530, p (Hill MA 7/12)
- 9440 SLOVAKIA R Slovakia in EG 0125, closing of evening pgmg, ID, IS, //7300 (Newbury NE 7/29)
- 9485nf BULGARIA R Bulgaria Sofia in EG 0400, IS, fqy, sked, ID, tlk on Euro Union (McGuire MD 7/22)
- 9505 KAZAKSTAN Kazak R in lang 1959*, phone interview, ment Almaty, played instrumental version of "Sounds of Silence"—and that's what followed at s/off, direct - not UKR relay (Hill MA 7/23)
- 9515 ITALY RAI Radiouno Caltanissetta in IT 2200*, ID at s/off, hummy carrier, p (Hill MA 7/11) also in IT H108, nx w/external services & correspondents, p, //6060 (Serra ITALY 7/6)
- 9525 POLAND Polish R Warsaw in EG 1250, wrapping up EG xmns to Europe, fqys, QTH, riding in on top of V of Indonesia, Poland rare catch in summertime (Novello NC 7/15)
- 9535 JAPAN R Japan Tokyo in EG 1515, tlk on Buddhism, //9750 but much weaker (Boulden CA 8/2)
- 9550 UKRAINE R Ukraine in EG 0000, tlk on French/Ukrainian relations (Pasquale PA 7/25) 1000 kw!!
- 9570 PORTUGAL RDPI Lisbon in EG 0330, ID, sked, fqys, various nx accounts, //6150 (Newbury NE)
- 9580 HUNGARY R Budapest in EG 0100, ID, Hungary's role in NATO, modernization of HG army, cultural & sports nx (Pasquale PA 7/11, Newbury NE 7/29, Robinson TN 8/2, McGuire MD 7/9)
- 9580 YUGOSLAVIA R Yugoslavia in EG 0000, feature on ethnic festival, nx, profile of a personality, into Serbian lang at 0030, "Radio-TV Serbia" (Robinson TN 8/2, Pasquale PA 7/9, Krause OH 7/13)
- 9585 IRAN VOIRI in RS *1530, IS, ID, NA, Qur'an recitations, f-g (Famularo JP 6/21)
- 9590 USA BBC relay Delano in EG 0042, nx abt IRA defying cease fire order, exc (Humenyk ONT 7/8)
- 9600 SOUTH AFRICA TWR-Africa SENTECH relay in FR/EG 1900*, Cote d'Ivoire QTH, gospel mx, ID in FR/EG (Novello NC 7/18, Hill MA 7/9) NOTE: Latest SENTECH sked in DX Window #73
- 9640 ANTIGUA D Welle relay in EG 0300, rpt on Berlin Wall murder trial, f (McGuire MD 7/29)
- 96748 PERU R del Pacifico Lima in SP 1610, call-in show, ID, fqys, ads, exc signal (Novello NC 7/10)
- 9675 PAPUA NEW GUINEA NBC in EG 0650, reggae/rock mx, drums to ID, PSA (Rausch NJ 7/11)
- 9685nf7 IRAN VOIRI Teheran in EG 0035, Koran reading, ID, fqy, regional nx, p w/QRM (McGuire 7/25)
- 9750 VENEZUELA R Occidente Tovar in SP 1135, sports rpt, mx, ID, fqys, vg (Novello NC 8/1)
- 9765 ECUADOR HCJB Quito in EG 0855, "Woman to Woman" relig tlk, ID, pips, g (Moats OH 7/31)
- 9765 RUSSIA VO Mediterranean Malta relay in EG 1920, mailbag pgm, gave Valletta QTH, strange chant-type mx across top of the hr, weak sig, //12060 (Renfrew NY 7/26, Humenyk ONT 6/28)
- 9785 CHINA China R Int Xi'an in EG 1500, tlk re Buddhism, //9750 much weaker (Boulden CA 8/2)
- 9840 HUNGARY R Budapest in EG 0248, taped documentary re smoking, //11910 (Humenyk ONT 7/2)
- 9855 GERMANY R Vilnius relay in EG 0030, nx and cmntry, g (Pasquale PA 7/25, Humenyk ONT 7/8)
- 9865 GREECE VOA relay Rhodes in EG 0357*, ID's, Yankee Doodle IS, into AR 0400 (Renfrew NY)
- 9905 FRENCH GUIANA Swiss R relay in EG 0400, fqy, sked, ID, ment Liberia, g (McGuire MD 7/23)
- 9925 BELGIUM R Vlanaanderen in EG 2330, nx, DX pgm, mail, cntry, ID (Krause OH 7/6, Levison PA)

- 115751v PAKISTAN R Pakistan in Urdu 1700, here instead of usual 11570 w/Urdu svc, g (Novello NC 8/1)
- 11620nf TAJIKISTAN R Dushanbe in lang *0200, IS, ID "Injo Dushanbe", tlk, nx?, Mideast-type mx, fqy, Vatican s/on ruined fading signal 0338 (Renfrew NY 7/29, Rausch NJ 7/29, Humenyk ONT 7/1)
- 11690 JORDAN R Jordan Amman in EG 1540, C&W mx, crntry, pips, ID, nx bulletins 1600, f-p due to UTE QRM (Moats OH 7/24, Newbury NE 7/27)
- 11710 ARGENTINA RAE in EG 0205, QTH, QSL requirements, sked, lcl mx, nx, f (Moats OH 7/23)
- 11725nf TUNISIA ERTT in AR 1810, Mideast vcls, conversational tlk, Qu'ran, //12005 (Hill MA 7/19)
- 11730nf USA V of Greece relay Delano in GK/EG 1830, GK mx, ID, EG nx (Moats OH, Renfrew NY 8/1)
- 11780 SAUDI ARABIA BSKSA in AR 1647, tlk, ID's, ment a list of names, //11965 (Serra ITALY 7/6)
- 118049 BRAZIL R Globo in PT 1130, echo-laden ancmts, long ad strings, ID's, g (Novello NC 7/24)
- 11810 PORTUGAL Deut Welle relay in EG 0100, nx re NATO conf in Madrid, g (Humenyk ONT 7/8)
- 11870 SAUDI ARABIA BSKSA in AR 0258, fqy ancmts, Holy Koran , exc w/500 kw (Humenyk ONT)
- 11900 SOUTH AFRICA Chan Africa in EG/PT 1723, econ nx, sports nx, ID, into PT 1730 (Serra 7/18)
- 11940 ROMANIA RRI Bucharest in EG 1900, Pres Clinton speech, //9510 (Robinson TN, Humenyk ONT)
- 11990 KUWAIT R Kuwait in EG 1800, nx, wx rpt, ID, US pop rx (Robinson TN 8/3, Renfrew NY 8/1)
- 12045 RUSSIA D Welle relay Samara in EG 0157, IS, ID, "Newslink", //7285, 9690, f (Moats OH 7/29)
- 12050 UKRAINE R Ukraine Int in EG 1212, "Hello from Kiev", listeners' letters (Fraser MA 7/20)
- 12075 SWITZERLAND SRI in EG 2023, nx, mx to 1930 when beam changed to Africa (Krause OH 7/8)
- 12120nf? GEORGIA V of Hope in EG 1420, relig tlk, full ID giving Georgia as QTH (Famularo JP 6/27)
- 13525 lsb AUSTRALIA ADRF in EG 0630*, nx, sports, pop mx, several ID's (Renfrew NY 7/22)
- 13610 SYRIA R Damascus in EG 2113, ID, fqy, nx, pop mx, tlk, //12085 (Moats OH 7/20, McGuire MD)
- 13634 SWITZERLAND SRI in EG 1120, featurre stories, assumed punch up error on fqy (Novello NC)
- 13800nf SWEDEN R Sweden in EG 1753, environment concerns for 2004 Olympics (Famularo JP 6/12)
- 13805 NORWAY RNI in EG 1200, tlk on nuclear power, St Olaf drama (Robinson TN 8/3, Fraser MA)
- 15115 NEW ZEALAND RNZI in EG 2339, tlk on pregnancy & mental health, pips, "Midday Report", nx, conversations promoting rugby (Moats OH 7/23, Pasquale PA 7/11, Humenyk ONT 6/29)
- 151673 FRENCH POLYNESIA R Tahiti in FR 0311, nx until 0309, into Polynesian mx w/ occasional ancmts by YL (Rippel VA 7/11) ED: Glad to hear this station is back in business!
- 151858v EQUATORIAL GUINEA R Nacional Bata in SP 1055-1638*, ID & fqy list 1057. live outdoor event w/many shouts, chorus anthem, xylophone mx, kids singing, p (Novello NC 7/21, Krause OH)
- 151889 BRAZIL R Inconfidencia Belo Horizonte in PT 2230, BR pop mx, ID, fqys at 2100 (Novello 7/20)
- 15200 PORTUGAL RDPI Lisbon in PT 1716, tlks, mx, soccer game live, //17745 (Serra ITALY 7/6)
- 15240 AUSTRALIA RA in EG 0608, nx re Papua New Guinea & Bougainville, //15365 (Newbury NE)
- 15240 SWEDEN R Sweden in EG 1130, pgm extolling Swedish jazz musicians, ID, IS (Robinson TN 8/3)
- 15250 SRI LANKA VOA relay in EG 0222, VOA Today, nx, ID, sked, f-p (Moats OH 7/23) Only 35 kw.
- 15315 NETHERLAND ANTILLES RN relay in EG 1856, crntry on lack of black cinema (Levison PA)
- 15320 ASCENSION ISLAND RAI (Italy) relay in IT 1800*, tlks by OM & YL, ID, p (Renfrew NY 7/26)
- 15320 TAIWAN CBS-1 Taipei in CH 1230, actualities, pgm of lively CH chatter, US pops (Hill MA 7/19)
- 15395nf THAILAND R Thailand in EG *0030, after being on 15370 for at least the past yr, RT has moved here for the 0030-0100 EG xmsn, into Thai 0100, best sig from E or S Asia on 19m (Hill MA 7/15)
- 15400 FINLAND YLE R Finland in EG 1240, weather rpt, regional nx, ID, f (McGuire MD 7/16)
- 15430 MOLDAVA V of Russia relay in EG 1310, "Moscow Mailbag", Lenin statues (Fraser MA 7/14)
- 15455nf AUSTRIA RAI Vienna in FR 1130, multi-lingual ID's, IS, world nx, f (Famularo JP 6/20)
- 15575 UNITED KINGDOM BBCWS Skelton in EG 2046-2100*, nx headlines, rpt on Angola's civil war, sports nx, //9410, 11750, 11835, 12095, f-p on 15575 (Moats OH 7/20)
- 15615 ISRAEL Reshet Bet Tel Aviv in HB 1301, nx by YL, mix of mx & taped speech (Humenyk ONT)
- 17510 HAWAII KWHR Naalehu in EG 0257, prgm called "Americanization", f (Humenyk ONT 7/2)
- 17575 FRENCH GUIANA R France Int relay in EG 1204, political situation in Cambodia, bomb-making materials found in N Ireland, "Land of France", //13625, 15195 (Fraser MA 7/14, Famularo JP)
- 17605 NETHERLAND ANTILLES RN relay in EG 1925, local / world nx, ID, fqys, TC (Levison PA 7/3)
- 17830 ASCENSION ISLAND BBC relay in EG 1707, Afr current affairs, ID, mail, f (Serra ITALY 7/18)

CLANDESTINE STATIONS

- 11570 TAJIKISTAN V of Tibet in TB *1221, test tones, ID, TB instr mx, tlk, f (Famularo JP 6/12)
- 11600 TAJIKISTAN R Free Asia in Burmese? 0130*, Asian mx, ID in EG, //11590 (Renfrew NY 7/26)
- 11680 UNKNOWN SITE VO Free Nigeria (also VO Freedom) in EG *1900, opening anmts, anthem, Nigerian pledge, "Freedom Chat" w/revolutionary leader, e-mail QTH, g (Renfrew NY 7/26)

TENTATIVE, PRESUMED, OR UNKNOWN

- 5966 UNIDENTIFIED mournful ME sounding mx in AR? 2357*, brief tlk between songs, ID? at 2330 with mention of a QTH ending in "stan" (Rausch NJ 7/13)
- 6140p URUGUAY(p) R Monte Carlo? in SP 1114, tlk ment Uruguay, mx, splatter 6135 (Famularo JP)
- 61832 UNIDENTIFIED R Nac da Amazonia? Brazil in PT? 1110, mx sounded Peruvian with some rancho Possibility reactivated Guatemalen here at this time?? (Rippel VA 8/2)
- 7430 UZBEKISTAN(p) TWR? in subcont lang *0000-0030*, "USSR" test tones, 12 note IS, brief theme, into s/on ancmts, sig quite strong but choppy (Hill MA 7/6+)
- 9755 EGYPTI(p) Egyptian Radio(p) in AR 1046, AR vcls, no tlk hrd, f (Serra ITALY 7/6)

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Executive Director: Richard A. D'Angelo, 2216
Burkey Dr., Wyomissing, PA 19610

Publisher / Business Manager: Bill Oliver, 45
Wildflower Road, Levittown, PA 19057

Executive Council: Jerry Berg, Ralph Brandi,
Bob Brown, Dr. Harold Cones, Rich D'Angelo,
Kris Field, Bill Oliver

EDITORIAL STAFF

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

Desktop Publishing/Graphics: Ralph Brandi,
6 Juneau Court., Tinton Falls, NJ 07712

Shortwave Center: Hans Johnson, 8121 S
Poplar 204D, Englewood, CO 80112

Easy Listening: Richard Cuff, 1016 Chestnut
Ridge Drive, Timonium, MD 21093-1716

Listener's Notebook: Al Quaglieri, P.O. Box
888, Albany, NY 12201-0888

Technical Topics: Joe Buch, N2JB, P.O. Box
1552, Ocean View, DE 19970-1552

QSL Report: Sam Barto, 47 Prospect Place,
Bristol, CT 06010

Distributing Editor: Fred S. Kohlbrenner, 2641
S. Shields St., Philadelphia, PA 19142

Tropical Band Loggings: Sheryl Paszkiewicz,
P.O. Box 152, Manitowoc, WI 54221-0152

International Band Loggings: Wallace C.
Teibel, 357 N.E. 149th St., Seattle, WA 98155

Scoreboard: Jerry Lineback, 220 West Third,
Garnett, KS 66032

NASWA Awards: Dr. Harold Cones, 2 Whits
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English Schedules: Tom Sundstrom, W2XQ
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