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NORTH AMERICAN SHORTWAVE ASSOCIATION

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By Fred Osterman. A concise guide to over 200 shortwave receivers manufactured in the last twenty years. Gives key information on each model including coverage, display, circuit type, performance, new value, used value, etc. Photos on most models. The *Blue Book of SW radio values*. ©1993 URR 106 p.

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By John Zondio. This book provides a readable introduction into DXing AM, FM and TV. Topics include: propagation, seasonal conditions, equipment, antennas and reference materials. There is an excellent section on "best bets" for hearing fifty states on AM. ©1993 Universal Radio Research.

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NASWA Notes

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

As mentioned in recent *Journal's*, the club's management team has been examining the future role of Executive Council in club affairs. Based in part on the feedback received during this review, we have re-organized the role and membership of Executive Council. In the future, Executive Council will be more actively involved in the management of the club. As a result, it was felt some personnel changes were necessary to make this happen. Consequently, a few long time council members have stepped down to facilitate the changes. Special thanks go out to **Gerry Dexter, Glenn Hauser, and Don Jensen** for their many years of service to the club as Executive Council members. Gerry will remain active in club affairs as a member of our distinguished Country List Committee; Don continues as the committee's Chairman. In addition to his recent role as Executive Council member, Glenn faithfully served the club as an editor for many years. We look forward to a possible return of "gh" to the pages of the *Journal* in the near future.

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls **Bob Brown KW3F, Hausie WB4JSP, and Tom Sundstrom W2XQ**, host an always lively gang of DX monitors. (Best heard in the eastern half of NAm)

Meanwhile, he continues his ambitious World of Radio program which demands considerable amount of time and energy. Effective immediately, Executive Council consists of: **Jerry Berg, Ralph Brandi, Bob Brown, Harold Cones, Rich D'Angelo, Kris Field, and Bill Oliver**. Most of the members of the new Executive Council are actively involved in the production and

Welcome to the following new NASWA members -

Thomas J. Beary III N9BXW, Rye, NY
Steve Bies, Crystal, MN
Mrs. Ruth Lemley Chang, Thornton, CO
Hannetta Clark, Inglewood, CA
Mike Cooper, Atlanta, GA
Gary Duryea, East Islip, NY
Richard D. Fuller, Glen Ellyn, IL
Gary A. Galo, Potsdam, NY
Delmar O. Gasche, Morenci, MI
Thomas E. Hall, Sebastopol, CA
R.I. Hopper, Gilbert, AZ
Burton P. Jenkins, Colorado Springs, CO
Alan Knudsen, Schoolcraft, MI
Ira Machevsky, Palo Alto, CA
Frank McCann, Media, PA

Chuck Mitchell, Indianapolis, IN
Mr. Dom J. Parisi, Rutherford, NJ
Paul L. Passante, Wilmington, NC
Daniel Perschonok, Cambridge, MA
George Petry, Arlington Hts, IL
Dave Porter, Midland, TX
Edward Robinovitz, Pennsauken, NJ
Thomas Rogers, South Amboy, NJ
Ed Silvia, Taunton, MA
Robert Slatkin, Farmington Hills, MI
Robert N. Stafford, Alexandria, IN
Steven Thow, Montreal, QUEBEC
Robert B. Wilson, Montvale, NJ
Joe Zorbo, Hancock, MI

Our Motto is - "Unity and Friendship"

management of club affairs. The entire group is linked together through computer bulletin boards which makes timely communications possible. Your comments, criticisms, and suggestions are always appreciated. Please feel free to send them to any of the members of Executive Council.

Now, a piece of bad news. It's official, the Voice of America will cease broadcasting from Bethany, Ohio shortly after year-end. Check the pages of Listeners' Notebook for information about a special last day QSL. Greenville, North Carolina operations will be substantially curtailed. It's hard to believe that trashing the VOA's stateside broadcasting capability is a step in the right direction when foreign governments can exercise editorial control over relay transmitters.

After many years of faithful service to the club, Mitch Sams is stepping down as Asian Destinations editor. The demands of a full work schedule, more international travel than can be handled, and a growing young family occupy more time than Mitch has available.

You may recall that Mitch was one of our initial three "destinations" editors having commenced that assignment when the Journal was launched in 1990. Naturally, we wish him well and look forward to his return as a Journal editor when time permits. As a result, we are in need of a new Asian Destinations editor. If you are interested please contact either Bob Brown (74756.1557@compuserve.com) or myself.

The Fine Tuning group has just released PROCEEDINGS 1994-1995; a comprehensive review of this publication appears elsewhere in this month's *Journal*. Having written for this publication and having been a member of its Editorial Review Committee for the last couple of editions, I can state that the PROCEEDINGS effort is like none other in the hobby. About 200 pages of articles, in-depth reviews and features written by hobby experts are waiting in this year's volume at a price of just US\$20.50 each plus US\$4.00 shipping and handling in North America or US\$5.00 surface mail outside North America. Airmail outside North America is available at US\$17.00.

Calendar Of Events

- Nov 15** - Meeting, N.E. Ohio SWLs. Cuyahoga County Library, 9089 Brecksville Rd., Brecksville, OH (Rt. 21, just South of Rt. 82). 7:00 PM. For info send SASE to: NE Ohio SWLs, c/o Donald J. Weber, P.O. Box 652, Westlake, OH 44145-0652
- Nov 18** - Meeting, Philadelphia Area NASWA Chapter. Kulpville Holiday Inn, Kulpville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- Nov 18** - Meeting, The Boston Area NASWA Chapter, 7:30 P.M. Friday, October 21, 1994; Our new meeting location is The Lexington Club, Route 4/225, Lexington, Mass. The new location is 1/4 mile West of Route 128 exit 31. For more information contact: Paul Graveline - Telephone: (508) 470-1971 or Internet: 74007.3434@Compuserve.com. You may also use the Boston Area SWL section on Tom's BBS at (617) 356-3538.
- Nov 19** - The Miami Valley DX Club (All band orientation) meets on the third Saturday of each month at 1 PM. Locations vary but are announced in advance. For info, call the MVDXC (614) 471-9973 Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132
- Dec 4** - The Tidewater SWLs meet on the first Sunday of each month at 6:30 PM. For info, call Joe Buch, (804) 721-2782.
- Mar 16-19** - The 8th Annual Winter SWL Festival, Kulpville Holiday Inn, Kulpville, PA. Registration form in next month's Journal or SASE to Winter SWL Fest, PO Box 591, Colmar, PA 18915

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

Order from our own John Bryant at Fine Tuning Special Publications, RRT #5 Box 14, Stillwater, OK 74074 USA. Incidentally, limited quantities of previous PROCEEDINGS editions (1988 through 1992 - 5 volumes) are available for the same price. If you do not have any of them, I would recommend that you purchase a complete set for your reference library.

Speaking of new releases, *The Zenith Trans-Oceanic: The Royalty of Radios* by John H. Bryant, AIA and Harold Cones, Ph.D. mentioned in September's NASWANotes is being offered at a special pre-publication price for club members that order prior to December 15, 1994. The authors are offering a special pre-publication price of US\$23.95 for numbered autographed copies directly from: The Radio Professors P. O. Box 952 Stillwater, OK 74076, USA

Orders received after December 15, 1994 will be US\$24.95 plus US\$2.00 shipping and handling. This 200+ page book promises to be a good one. There will be a review in the *Journal* shortly after the books release.

The Southern California Area DXers ("SCADS") will be sponsoring a Ray Briem Appreciation Day at Knott's Berry Farm in Los Angeles, California on January 22, 1995 from 12:00 PM to 4:00 PM local time. The cost for each participant is US\$21.95 each. For those of you who are not familiar with Ray Briem, he is a Los Angeles based radio talk show host and shortwave radio listener who is retiring. Over the years his programs have addressed the subject of listening to shortwave radio. A number of well-known hobbyists have been guests on his programs. For many years his program was carried nationally but unfortunately that has not been the case in recent years. In 1988, the Association of North America Radio Clubs presented him with a Certificate of Appreciation for his fine work in promoting listening to shortwave radio. Further information about this special event is available from SCADS/Briem, 16182 Ballad Lane, Huntington Beach, CA 92649-2272.

Bill Bowers of Chandler, OK writes in to mention that the ANARC SWL Ham Net, listed in the *Journal* each month, is covered by a booming Radio Australia on 7,240 kHz. Because of propagation on 7mHz at this time of day, the net is best heard in the eastern half of North America. Sometimes winter propagation allows for openings into the midwest and deep south. As such, hobbyists on the east coast participate in this interesting opportunity to share loggings, equipment news and other information about the hobby. Sorry Bill! If there is a ham operator in another part of the country not covered by the 7240 Net that would like to coordinate an SWL Net please let us know so we can publish the time and frequency. If you're interested, but not sure how to get it going, send a note to Bob Brown and he'll fill you in on how the 7240 gang operates.

A couple of editorial reminders. First, DX'ers Forum has been incorporated into the Shortwave Center column edited by Hans Johnson. Therefore, all material that previously went to Bob Brown for the Forum should now go to Hans for the SWC. The lone exception would be DX Target features which are run under a separate masthead. These should continue to be sent to Bob. Okay?!? However, if you are in doubt as to whether it should go to Bob or Hans, send it to Hans. Continue to send Musings to Bob Brown. A couple have managed to drift my way and I had to forward them to Big Signal. As soon as we learn to spell Colombia correctly, we plan to make things a little clearer in the *Journal*. Also, "for sale" items must go to our publisher, Bill Oliver, in Levittown. Since these items are run on a space available basis, only Bill can make that last minute decision. Finally, all other editorial arrangements continue as they were prior to when I assumed the Executive Directors chair, i.e. don't send me completed columns, hi!! All completed columns should wind up in the capable hands of either Bob Brown, Ralph Brandt or Bill Oliver. Sheer panic sets in when these things arrive in Wyomingissing!

That's it for this month. Enjoy this month's *JOURNAL*; it's another good one.

Musings

This column provides a forum whereas members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters. Please submit all Musings to Bob Brown, 238 Cricklewood Circle, Lansdale, PA 19446 or via email - 74756.1557@compuserve.com

Hank Michalenka, 300 Front Street, Lincoln, Rhode Island 02865

My NRD-535D (purchased used), running off an Alpha-Delta Sloper antenna, is disappointing in the selectivity area. On the wide (6kHz) filter, the first intelligible width, stronger stations spread a good 10-15 kHz either side of the carrier. Cutting back the RF gain doesn't seem to help. Short of putting another filter in the auxiliary slot, can anyone tell me what type of antenna they might have used on a Dxpedition with a 525/535? I'm not sure it can handle too much wire without overloading.

Does any member have experience DX'ing from a cruise ship? I would imagine we have some old Navy men out there, maybe even a few "Sparkies". I wonder if there are too many man-made interference problems with radar (and slot machines) to make it worthwhile taking along a decent portable and sit out on the fantail. Theoretically, at least, there should be some good African tropical band DX from the southern Caribbean.

I think Richard Cuff's comment on program listeners may have been taken wrongly. While I see no reason to cover programming of any other spectrum slice in the Journal, I think we should continue with the Easy Listening column in its present length. If someone has an interest in a particular country's programming, then a program schedule is usually obtainable easily by mail. To try to keep up with programming from all English-speaking countries would require a Journal-sized publication each month on its own, not to mention the incredible effort involved. Like it or not, in my 25+ years as a member, NASWA has always been a DX club. We try to make inexperienced listeners welcome and more educated to DXing while letting them know that there is programming out there to actually be listened to! But we're not the shortwave version of TV Guide!

FRENDX: Twenty Five Years Ago....

Among the new members was Robert LaRose, Jr. of Rochester, NY. Renewing members included: Tom Williamson, John Sgrulletta and George Schnabel (3rd year), Don Jensen and Sam Rowell (6th year). A last minute news release informed members that Radio Denmark planned to drop English and Spanish programs as of April 1, 1970. In the ANARC Report column, Gerry Dexter informs members that about 375 hobbyists have responded to the DX census. In the Shortwave Center, Gregg Calkin continued with part II of The Art of Verifying. In the Newsroom column, Mike Macken and Bill Martin report that the Far East Broadcasting Authority is testing from Seychelles. Fifty-three reporters contributed to QSL Report with David Alpert, Gregg Calkin, Robert Estand, Marlin Field, Dr. Earle Hall, William Matthews, Al Niblack, Bob Padula, Frank Peters, Alan Roth, Robert Shepard, Alvin Sizer, Bill Sparks and John Tuchscherer among the notables. The featured QSL OF THE MONTH was the rare Radiodiffusion Television Tunisienne. Dan Ferguson's Log Report saw contributions from 55 reporters which included: Ernest Behr, Bill Berghammer, Gregg Calkin, Gerry Dexter, Bob Estand, Dan Ferguson, Marlin Field, Bob Hageman, Dr. Earle Hall, Glenn Hauser, Dan Henderson, Chris Lobdell, Mike Macken, Bill Martin, Henry Michalenka, Al Niblack, Bob Padula, David Potter, Sam Rowell, Andrew F. Rugg, Al Sizer, Bill Sparks, John Tuchscherer, Dr. Tom Williamson and Richard Wood. In Al Niblack's Flashsheet, 20 reporters provided the latest in hot DX with Mike Macken, Bill Martin, Al Niblack, Gregg Calkin Dick Heggs and Gerry Dexter reporting a new station and country, FEBA in Seychelles testing on 21,460 kHz and 15,165 kHz.

Easy Listening

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

Soapbox Time

In the October *Journal*, you may remember that I asked for member feedback on the political commentary programming airing on WWCR or other programs of member interest that I don't regularly tune in. No one replied—which means either no one is particularly interested in the programs, or no one read the column. If it's the former, then I feel sorry for WWCR. If it's the latter, I feel sorry for me.

The first year I took over editing responsibilities for *Easy Listening* I received anywhere from one to four letters per month. There was a reasonably steady flow, too. Nowadays I'm receiving perhaps one letter per quarter. That means either the column isn't relevant, which means it should be changed, or it means members are too busy to write but like the column anyway.

If the column should be changed, then please send your ideas and suggestions to me, or, if you prefer, Bob Brown (Managing Editor) or Rich D'Angelo (Executive Director). The *Journal* will benefit from your feedback.

If you like the column, but have simply been too busy to write, then I'd like you to consider the following. The *Journal* is a volunteer effort. I can't speak for the other editors, I can only speak for myself—I edit *Easy Listening* because I enjoy the task. But, I don't want to expend my effort where it doesn't meet members' listening and DXing interests. Could you reciprocate my volunteer effort by volunteering a little of your time and jotting a note on a postcard or sending an E-mail message? Heck, I know I sound like Jonathan Marks and other broadcasters by begging for feedback, but the effort is sincerely appreciated. Favorite programs, listening tips, suggestions for future topics—all would be welcomed. Thanks for staying with me to the end of the section!

Dirty Laundry On The Air

While it's less prevalent than in times past, unfavorable views on life in a broadcasters' country can be difficult to come by. Negativism is inconsistent with being a goodwill ambassador for one's country. Perhaps the one aspect of news on the home front that best serves as an indicator of day-to-day issues is coverage of domestic politics. While the minutiae of local politics might not be of interest to an international listener, elections of heads of state or of national legislatures or judgeships, and the ongoing posturing of political parties, with their airing of "dirty laundry", can be the best way to gain insight as to what issues interest the populace.

Thankfully, the phrase "And now, a paid political announcement..." has not shown up yet on shortwave—especially this time of year—but there are some programs you may wish to look up if you're so inclined.

The BBC's weekly entry, *People And Politics*, is a good place to start. The subject matter is domestic British politics, and generally features some tasty gems from *Question Time*—when the prime minister subjects himself to questioning from members of Parliament. There's actually a political scandal going right now in the UK. Some MPs (that's Members of Parliament) have been accused of taking money for asking specific questions at *Question Time*.

Radio Australia used to have a weekly parliamentary program, but I haven't checked it out lately. Its focus was Australian politics, which rarely makes headlines here in the USA.

Radio Canada International used to air a CBC-produced (I think) program called *The House* along the same lines. It was often worth listening to *The House* before listening

to **Royal Canadian Air Farce**, because one could then better understand the satire. Unfortunately, **The House** no longer appears in the RCI schedule.

Unfortunately, since the **Voice Of America's** charter does not include broadcasting to Americans, there is no political coverage oriented to the expatriot. **Monitor Radio International**, since its audience is primarily domestic from its Public Radio International feed, incorporates domestic politics as part of its regular weekday current affairs reporting.

BBC World Service November Highlights

A Turkish Season continues with feature programming; also, November marks the fifth anniversary of Czechoslovakia's "Velvet Revolution", along with special programs marking the UN Year Of The Family.

A Turkish Season

Wednesdays, 1215: New Ideas returns to Turkey five years after Martin Redfern first reported on some of Turkey's significant civil engineering projects. Turkey has been rapidly developing its own civil-engineering industry and has been establishing a reputation throughout the Middle East and North Africa. First airs Mondays 1615; also repeated Tuesdays 0730.

Most other **Turkish Season** programming is a continuation of programming reviewed in the *October Journal*.

The Velvet Revolution

Sunday, November 13th, 0030: a special 90-minute Play Of The Week features *Redevelopment*, written by the Czech Republic's foremost dramatist, its president Vaclav Havel. First broadcast in 1989, *Redevelopment* is set in reconstructed Eastern Europe, with its main protagonists architects redeveloping an ancient castle town and struggling with authoritarian bureaucracy and, later hope from a new, freedom-minded projects inspector. Repeated Sunday 1130 and 1830.

Tuesday, November 15th, 0105: Outlook meets the people of Prague to see how their

lives have changed since 1989 and to discover their hopes for the future. *BBC Worldwide* did not specify the November 15th air date, but this would coincide with the November 14th Velvet Revolution anniversary date. First airing Monday 1405; also repeated Monday 1905.

Friday, November 18th, 1215: Heritage concludes its six-week run with a 30-minute visit to Prague, where an international campaign has been launched to save its threatened architectural heritage. First airing Friday 0730; also repeated 1930.

UN Year Of The Family

Sundays, beginning November 13th, 2330: Help! I'm Going To Be A Parent is a four-part 30-minute series interviewing parents from different cultures and ethnic backgrounds to hear about their hopes and concerns at becoming parents, examining how they cope with one of life's most demanding, yet rewarding, tasks. First airing Sundays 1401; also repeated Mondays 0630, 1001.

Thursdays, beginning November 10th, 2330: Music, Mirth, And Memories Of Childhood is a three-part 30-minute anthology of words and music recorded before an invited audience. Actors Patricia Gallimore and Roger Hume are featured, along with soprano Marie-Louise Petit. First airing Wednesdays 1530; also repeated Thursdays 1030.

Wednesdays, beginning November 16th, 1235: Bred In Tooth And Claw is a four-part 10-minute series investigating how different species, from ants to apes, rear their offspring and live as families. The first three programs feature insects, reptiles and amphibians, and birds. First airing Mondays 1635; also repeated Tuesdays 0750.

Wednesdays, beginning November 23rd, 0130: Crisis In The Family is an eight-part 15-minute series looking at families that have faced, or are facing, crises such as a marriage breakup, the death of the family's head, and the discovery of a teenager using illegal drugs. *BBC Worldwide* doesn't indicate where the profiled families live. Repeated Wednesdays 0930 and 1715.

Saturdays, beginning November 26th, 0015: **Family Affair** is a five-part 15-minute series spotlighting the best-known families in popular music. The first family profiled: The Jacksons, surprise, surprise. Repeated Mondays 1930 and Tuesdays 0915.

Other News And Features

Saturdays, beginning November 12th, 0015: **Tip Of The Tongue** is a three-part 15-minute series looking at the state of the English language in the fields of popular psychology, politics, and illness. This is the second series of programs by this name, with each week's program looking at one of the specific subjects. Repeated Mondays 1930 and Tuesdays 0915.

Sundays, beginning November 13th, 0230: **The Struggle For Oil** is a five-part 30-minute series tells the story of oil, from its discovery in Titusville, PA in 1859 through the years of John D. Rockefeller and the Standard Oil Trust through to the present days of Middle Eastern oil fields and Texan politics. Repeated Sundays 1615, Mondays 0730.

Music and the Arts

Mondays, beginning November 7th, 2215: **Megaphones To Microphones** is a six-part 30-minute series examining the history of the "crooner". Classic vocal recordings are utilized to help trace the development of the style of singing that brings out the smoothest qualities in the voice. By using amplification, first via megaphones, and later via microphones, singers became able to sing softly over their whole register. Bing Crosby, Frank Sinatra, Perry Como, and Harry Connick, Jr. are among the artists profiled. Repeated Tuesdays 0630, Wednesdays 1615, and Fridays 1030.

Saturdays, beginning November 19th, 2330: **The Story Of Western Music** is an eight-part 30-minute series, itself the fourth of a planned five parts, that traces Western music from early plainsong to the present day. This series begins with the Romantic period (Chopin, Schumann, Wagner, Brahms, and Verdi) and continues through Tchaikovsky and Mahler. Repeated Tuesdays 1030 and Fridays 1715.

Playwriting Competition 1995

Aspiring writers living outside the British

Isles are invited to write a radio play of up to 60 minutes, with a top prize of £1,500 for the winning entry. Prizes will be given to writers in each of the six global regions covered by the World Service, including North America. Submission deadline is March 30th, 1995. An entry form appeared in the November *BBC Worldwide*, but I suspect one could still submit a play as long as the same information is provided on a separate form. Aside from name, address, phone number, and title of play, entrants must state whether or not English is their first language. Send entries to the BBC World Service, Drama Playwriting Competition, PO Box 76, Bush House, Strand, London WC2B 4PH, United Kingdom.

Light Entertainment

Thursday, December 1st, 2330: **Two Cheers For November** is the BBC's monthly humorous look back at the month's news. The program normally airs the week following the last Sunday of the month. Got that? First airing Wednesday 1530; also repeated Thursday 1030.

Drama

Friday, November 25th, 0230: **Six Feet Under** is a single installment in the series called **Thirty Minute Drama**. The year is 1999, and Britain's National Health Service is on the brink of collapse. Three elderly patients are forced to take desperate measures to get the treatment they need. They escape in the dead of night from their hospital in London to walk nearly 200 miles to Harrogate, where, rumor has it, treatment is available. Their ailments are not trivial – one patient needs a hip replacement, another has a bad leg, and the third needs a liver transplant. Perhaps American health care policymakers should tune in... First airing Thursday 1130; also repeated Thursday 1715.

Changes Ahead

Check above for a new mailing address— We're in the process of moving to Baltimore, catalyzed by a job change, so the above address will help get your feedback, ideas, and program suggestions to me sooner. Have a nice Thanksgiving holiday!

Until next month,

73 DE Richard

A Problem for Decades, Easily Solved

by Dr. Richard Wood

Nothing, so the saying goes, is more permanent than a temporary solution. The Demarcation Line, DMZ, and Panmunjon Truce Village in Korea are an example of that—but then, so were the Berlin and the status of Bonn as the temporary capital of half of divided Germany.

Quick, now, think of a simple problem in international shortwave broadcasting which has been dragging on with a stop-gap, unsatisfactory solution for at least three decades.

Get it? The answer is, of course, the year-in, year-out lack of availability of a Maltese-language announcer at RAI, Rome. For as long as I remember (perhaps someone with a complete collection of RAI program guides, or WRTH's, could specify the year), every RAI schedule has said (I translate the Italian), "Due to the lack of availability of a Maltese-language announcer, the Maltese broadcast is temporarily transmitted in Italian." The word "indisponibilita" was misinterpreted by a recent NASWA contributor in the sense of English "indisposed," a euphemism for "sick, ill," but the point is that there never was a RAI Maltese announcer to begin with, sick or healthy.

From the other side of the globe, let me make a few suggestions as to how the pseudo-problem could be solved, at little or no expense:

1. There are dozens, perhaps hundreds, of Maltese seminarians studying at the theological colleges in Rome. They could be identified by a few phone calls to the seminaries or the Maltese Embassy in the Eternal City, with which they should be registered, given their educational background they are all fluent in Maltese, English and Italian and they could easily translate a newscast script or commentary, from either of the two latter languages, into Maltese—probably even ad-libbing straight into the microphone.

2. The above-mentioned Maltese embassy in Rome probably has employees who would appreciate a little free-lance work at the radio studio, or has, as its lists of Maltese registered residents in Rome, others who would.

3. The Sovereign Military Order of Malta, whose politically sovereign territory is located in Rome (a city which contains all or part of three countries—the SMOM, Vatican City State, and Italy) has many contacts with Malta and Maltese speakers.

By the way, have you ever heard Maltese spoken? It is unmistakable. It sounds like Arabic with an overlayer of Italian and another, on top of that, of BBC English, years ago, the BBC broadcast in Maltese. Who knows, its former announcers, too, might be out there looking for a job. End of problem, soon, let us hope.

Radio Singapore International

from Singapore Magazine, courtesy of Adrian Peterson and the June 1994 issue of Shortwave Radio Today

Keeping in touch with home is getting alot easier these days. Singaporeans living in Malaysia, Indonesia, Brunei, Thailand, Vietnam and Cambodia can tune in to Singapore-produced programs for three hours every day, via shortwave.

Only a month after Singapore International Television made its debut on the Palapa B2P satellite, Brigadier General George Yeo, Minister for Information and the Arts, announced the launch of Radio Singapore International, a station set up the Singapore Broadcasting Corporation.

The radio service, which will broadcast in three languages, is an extension of the government's move to help Singaporeans living overseas maintain ties with home, and for foreigners, as a window into Singapore, says BG Yeo. It is also in line with efforts to develop Singapore into an information and international cultural center.

Says RSI's director, Mr. S. Chandra Mohan, "The service's programming will offer a balanced mix of Singapore news, information and entertainment. While issues of interest to Singaporeans will certainly be carried the content of much of the current affairs and information programming will also have a strong Asian flavor, addressing regional, social, political, economic and cultural issues which affect not just Singapore but the region as a "whole." He also hopes the station will become a vital source of information programs of the region to the region.

A recent upgrading of SBC transmitters has allowed shortwave to reach a larger audienc; the old ones could only go as far as the Malaysian Peninsula.

To spice up the programs, 12 presenters have been engaged and a menu of specially packaged programs prepared.

The English selection includes Commentary, a current affairs program, and Kiasu Capers, which muses over the lighter side of Singaporeans. To tingle homesick tastebuds is Potluck, a food and request chat show.

I have not yet been able to catch RSI, but it sounds like a lot of fun! These regional stations are always a bit more interesting to listen to, aren't they?

Strategically located at the southern tip of the Malay Peninsula less than one hundred and fifty kilometers north of the Equator, Singapore has for years been a dynamic crossroads of East and West. Part of the mighty Sri Vijayan empire in the 14th century and known as Temasek or Sea Town, legend has it that the island was renamed Singa Pura or Lion City after a visiting Sri Vijayan prince saw an animal he mistook for a lion.

Modern Singapore was born in 1819 when Sir Stamford Raffles claimed what was little more than a fishing village as a regional base for the British East India Company. The island's natural harbor, sheltered anchorage and strategic location made it an ideal site for a trading post, and Singapore flourished as a policy of free trade attracted merchants and migrants from all over.

The island eventually became Britain's strategic defense base in the Far East but the myth of its impregnability was shattered when it fell to the Japanese in 1942.

After the Japanese occupation ended in September 1945, Singapore became a Crown Colony, assuming self-government in 1959 when it fell to the Japanese in 1942.

After the Japanese occupation ended in September 1945, Singapore became a Crown Colony, assuming self-government in 1959 and becoming a fully independent republic in 1965.

Book Review: PROCEEDINGS 1994

By Fine Tuning

Reviewed By Richard A. D'Angelo

After a one-year hiatus, the Fine Tuning gang returned in October with another edition of PROCEEDINGS. The 1994 issue marks the sixth volume of this superb hobby reference. During this period of time, the Fine Tuning group has established this publication as the hobby resource. Whenever the Fine Tuning name is used, you can expect a top quality product; naturally, this volume of PROCEEDINGS continues the tradition. The 1994 edition contains another group of excellent articles written by some of the top names in the radio hobby. Enjoy them because the publication date of the next PROCEEDINGS has not been determined! Why? Many of the authors and all of the staff found producing this volume extremely difficult. At the annual staff meeting in August, it was determined to postpone publication of the next PROCEEDINGS for an indefinite period of time. The decision will be re-examined each August with the hope of eventually returning to an annual production cycle.

The clarity and organization of the printing has improved each year. The 1992-1993 volume featured word processing for each article in approximately the same typeface but with several different laser printers. This volume features all the articles going to a central word processing point where Rochelle Atkins put each article in the same type face and general format. At that point, Guy Atkins moved everything through a desk-top publishing system and one laser printer. Further improvements in graphics make the accompanying charts, graphs, photographs and other illustrations jump off the page. The result is a book that is the most legible and easiest to read of the bunch.

This was the third time that I had an opportunity to experience the Fine Tuning editorial process from the inside. This perspective as a member of the Editorial Review Board, along with having previously written a PROCEEDINGS article, gives me an insight as to how difficult a process writing for PROCEEDINGS can be. The rigorous review process yields some truly magnificent written works thanks to the technical and editorial torture rack author's manuscripts are subjected to. I have mentioned on previous occasions that writing for PROCEEDINGS is not a casual affair. This year completed draft articles went to John Bryant for distribution to the appropriate Editorial Review Board members assigned to a particular feature. Generally, he selects about six members of the review board and two staff members to read each article. Compare that to the review process that occurs prior to publication of our monthly bulletin! Some members of the review panel are selected for their knowledge in the subject the article is covering; others are selected to represent the average reader. The PROCEEDINGS standard of excellence is dependent upon the work of this group. The critique process is instrumental in achieving excellence. Other members of the 1994 Editorial Review Board were Guy Atkins, Jerry Berg, Bill Bowers, John Bryant, Elton Byington, David Clark, Harold Cones, Gerry Dexter, Bob Eldridge, Werner Funkenhauser, James Goodwin, Nick Hall-Patch, Don Jensen, Fritz Mellberg, Don Moman, Don Moore, Bruce Portzer, Mitch Sams, Harold Sellers and Larry Yamron.

The Editorial Review Board makes a significant contribution to each feature article. The big red pencil of Fritz "The Chopper" Mellberg insures a sound, understandable writing style. Additional insights are provided by the other members of the Editorial Review Board through their collective technical expertise. The PROCEEDINGS series continues to capture the hearts and minds of the serious spectrum monitors with heavy hitting features on most aspects of the hobby. Unquestionably, Fine Tunings PROCEEDINGS continues to be the technical reference for the hobby. This valuable resource is one item that should be sitting on the bookshelf of every hobbyist. What follows is our traditional look at each of the main sections of PROCEEDINGS.

PROPAGATION (36 Pages)

After a one-volume absence in propagation features, the crew has bounced back with two excellent articles. For the first time, a scientist is writing about propagation for PROCEEDINGS. Ionosphere expert, Dr. Robert R. Brown, writes about his specialty and the understanding that has developed over the last century. In addition, he also describes the current view of the ionosphere and talks about the directions of current research. This is easily the most scholarly propagation article published by PROCEEDINGS to date. David Clark returns with Tony Ward to continue unraveling some of the mysteries of tropical band propagation. This article builds upon the research and observations of two previous articles co-authored by David Clark and John Bryant.

ANTENNAS (32 Pages)

There are six antenna articles presented this year which should catch the interest of most antenna enthusiasts. Guy Atkins takes a look at the Carolina Beam Antenna and its practicality on the tropical bands. Werner Funkenhauser puts the new Kiwa Mediumwave Loop Antenna through its paces. Bill Bowers and John Bryant look at the performance of large ferrite loops including a "monster" 16 feet long loop. The photograph of the monster is something that must be seen! Bowers and Bryant also write about impedance matching devices for simple wire antennas. Tony Ward contributes some thoughts on antennas for tropical band DXing. Finally, Don Moman and Bryant offer two approaches to beverage antenna arrays.

RECEIVERS (84 Pages)

This year PROCEEDINGS hits a home run (something no major league baseball player was doing in October!) with nine terrific receiver articles that should appeal to a wide range of interests. About 45% of the book is filled with top flight receiver articles. Staff member David Clark and James Goodwin provide their first impressions of the new Watkins-Johnson HF-1000 digital receiver. This fourteen page article includes a four page update submitted by George Zeller based on his experience as an owner of this nearly \$4,000.00 communications receiver. John Bryant takes us on a trip down memory lane with a look at pre-war console radio's. Bryant returns once again with co-author Harold Cones to look at two Zenith Trans-Oceanic receivers. James Goodwin and John Bryant (does his wife know how many articles he has written this year?) provide insight into the Hallicrafters SX-42 and SX-62 communications receivers. Phil Bytheway reviews all 95 pounds of the Hammarlund SP-600 communications receiver. In 1988, Jerry Strawman reviewed the famed Drake R-7/R-7A receiver. This year, Dave Clark along with Jon Williams outline the major features, modifications and accessories for this fine piece of gear. Ever wonder what features an \$8,000.00 communications receiver would have? Mark Seiden writes about the Japan Radio Company NRD-93 which was designed for commercial and marine use. The Lowe Europa HF-225 was designed based upon modifications requested by a number of leading European DXers. Chuck Mitchell takes an extensive look into this unique piece of communications equipment. Closing out this mega section is a comparison of the Drake R-8 and JRC NRD-535D communications receivers by John Bryant.

PERIPHERAL EQUIPMENT (4 Pages)

Although limited to one article this year, the peripheral equipment section continues to expand the usefulness of today's communications gear through thoughtful applications of new technology. This year the toys and gadgets department features Tom Napolitano talking about controlling a communications receiver using a handheld calculator. This alternative to expensive computer driven control programs can save the hobbyist interested in mating digital microprocessors to analog radio receivers money while avoiding many problems experienced with computers.

FEATURES (33 Pages)

This section is not as beefy as the last volume but contains a number of terrific features to interest the hobbyist. John Fisher leads off with a superb article about shortwave radio in Russia. The shortwave radio scene in the former Soviet Union has become rather dynamic the last few years. Fisher brings us up-to-date on independently produced programs aired over Radio Moscow,

regional broadcasting services, and independent stations broadcasting on shortwave in Russia today. Next up is an interesting feature about the cost of vintage radio gear if produced today. In this article, John Bryant looks at some of the fine communications gear of the 40's and 50's and escalates their purchase price to 1994 dollars. Bob Eldridge discusses methods of dealing with noise in listening to shortwave radio. Fritz "The Chopper" Mellberg's hobby of artist-sculptor in wood is presented with some interesting photo's including a wooden Philco radio! Closing out the features section is an excellent article about logging 50 Trans-Atlantic countries on medium wave by Mark Connelly. This incomparable feature is bound to convert a number of die-hard shortwave broadcast DXers to the medium wave side of the spectrum. Author Connelly uses his many years of experience in developing targets ranging from "very easy" to "difficult" to get the DXing juices flowing. This is must reading for the DXer that is searching for something "more" to seek out.

Is PROCEEDINGS Worth The Price?

Each year I close my review of the current volume of PROCEEDINGS with the same question. The answer is always the same - definitely, yes!!! The scope and breadth of the subject matter, the rigorous editorial process and the dedication put into this project make PROCEEDINGS a "must have" publication that should be in the library of every hobbyist.

PROCEEDINGS 1994 costs US\$20.50 plus US\$4.00 postal costs in North America. This is a modest US\$1.00 more than previous years editions. This is the first price increase since 1989! Outside North America surface book rate postage is US\$5.00 and small packet airmail is US\$17.00. Make checks or money orders (US funds on a US bank only) payable to:

Fine Tuning Special Publications
c/o John H. Bryant
RRT #5, Box 14
Stillwater, OK 74074 U.S.A.

As the legend of PROCEEDINGS grows, so does the demand for back issues of the series. Consequently, Fine Tuning Special Publications has decided to keep a limited supply of prior editions in print to meet this demand. The first five volumes, 1988, 1989, 1990, 1991, and 1992/1993 are available for the same price as the 1994 edition. Each year there are a number of multiple purchases as more people discover the PROCEEDINGS anthology. While ordering all six editions will set you back almost US\$150.00 in North America, it will be money well spent. The informational, educational and entertainment value of PROCEEDINGS can not be beat.

Without question, the PROCEEDINGS series continues as the finest hobby reference work that DXers can develop for DXers.

NAIL YOUR MAILBOX SHUT!!

Yes, it's back and it may be coming to your mailbox! So, be safe and nail your mailbox shut! Or, be daring and order a copy of BLANDX, the best DX bulletin parody around. The all-new 8th edition (40 pages) is just \$2.00 U.S., postage paid, to the US, Canada, & Mexico or \$3.00 or 6 IRCs overseas airmail. Payment in cash, checks or money orders (payable to Don Moore). Orders to: Don Moore; 11434 140th Street; Davenport, Iowa 52804-9538; USA

NASWA Portraits

Jerry Klinck
43 Lein Road
West Seneca, NY 14224



Where oh where has the summer gone? These chilly nights are firing up the DXer in me. Better get those antennas finished up and the shack ready to go. Meanwhile, this month we visit Eric-NOUIH in the great state of Missouri.....

"When I started DXing, I came into the hobby with some family influence. I have a cousin, Jim Marshall, WA0QEY, who's a ham radio operator near Branson, MO, and his experience with amateur and citizens band radio introduced me to the hobby of radio in the mid-1970s. I became a casual MW BCB listener in the 1978, when I found out I was able to pick up WMAQ-670 and WLS-890-Chicago day and night. My experience of hearing a Cuban relay of R.Moscow on 600 kHz. introduced me to the world of international broadcasting. I didn't start SWLing and Dxing in earnest until 1981, when I bought a Realistic DX-60 portable radio. My first QSL card came from WWV, in November of 1981. Not long after, I began DXing the clear channel Class 1A MW-BCB stations, the first being WOAI in San Antonio, TX. I also started FM DXing in 1982, my first FM QSL coming from WSMI_FM, Litchfield, IL. I also started TV DXing that year with my first TV QSL coming from KFVS, Ch.12 in Cape Girardeau, MO.

"I was very interested in listening to BBC World Service in those days, and I soon found out I could monitor the whole world with the DX-60. I was able to QSL R.Beijing, R.Korea, R.Japan, R.RSA, Deutsche Welle and R.France Int., among others, in my first year of DXing. I also discovered that Amateur Radio Bulletin station WAORCR was heard on its image frequency of 950 kHz. I also began homebrewing antennas in 1981, able to construct one out of a hacksaw blade (broken in two) and some speaker wire, and was able to hear Nigeria on 15120 kHz in November of that year. During the summer of 1982 I was able to hear some outstanding tropical band DX from S. America and Africa.

"In October of 1982, I upgraded to a Realistic DX-200. I continued to do some SWLing, but the emphasis increasingly became MW BCB DXing as I went into 1983. A Realistic Patrolman CB-60 portable was added in December of 1982 and I did a lot of MW BCB DXing on it as well. I added a Worcester Electronics Space Magnet 2, a ferrite-core loop antenna for MW, in 1983.

A Realistic DX-400 (which I currently use for SWLing and DXing the HF Ham bands) was added in 1985. I continued experimenting with various antennas of simplistic design throughout the 12 years I have been DXing so far. After moving to Woodstock, GA in 1988, I added a Yorx MW/FM boombox with a 4" B.&W. TV for TV DXing, and in 1990 I added a 1970s vintage Realistic STA-90 MW/FM rcvr. When my father lost his job and my parents, grandmother and I moved to Marietta, GA, I built an antenna made of a metal coathanger, about 20 feet of speaker wire wrapped around it, with RG-59U lead-in. It allowed me to hear a Ham in Puerto Rico talk to another Ham in California on 20 meters. I still have use antenna today.

"My first WRTH was a 1979 edition borrowed from the library at Hazelwood Central H.S. and I kept renewing it until I bought a 1982 edition from Gilfer. In 1992, I decided I would work on getting a code-free Technician license when I returned to St. Louis. After I got that I purchased a Realistic HTX-202 handhe'd transceiver for 144-148 mHz. I added 5/8-wave mobile Ham antenna in August of 1993 and broke it in doing mobile command post duty in St. Charles County during the great flood of 1993. AN MFJ-1750 ground plane antenna was added in November of 1993.

"My experience as a non-commercial broadcaster has allowed me to become more detailed and accurate in my reception reporting techniques.

"I joined NASWA in January of 1994, thanks to a referral by Joe Hanlon. I also belong to the NRC, the Suburban Radio Club(SRC), the ARRL, the Worldwide TV-DX Association and the International Radio Club of America(IRCA).

" I hold an Associate of Arts degree in Communication Arts with emphasis on broadcasting, from the St.Louis Community College at Florissant Valley, which I received last summer. I plan to enroll at the University of Missouri- St.Louis this summer, and pursue a Bachelor of Arts degree in the same field. My involvement in this hobby led me to pursue this."

Thanks, Eric 73 to all!

Listener's Notebook

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OK GRAMPS, get out your magnifying glass. This month, in a desperate attempt to squeeze yet more info into a finite number of pages, I'm toying with a cornea-destroying tiny type. Look at it this way: it's still easier to read than your phone book.

Lotsa Euro skeds this month, plus the usual poop. As always, bounteous and eternal thanks to all contributors, each of whom now has a candle lit for them in the Shrine of Perpetual DX.

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ALBANIA *Radio Tirana* schedule, compiled largely from monitoring observations. All frequencies are subject to variation by up to 5 kHz.

0000-0630	Albanian	11745 9760 6120
0130-0145	English	11840 9580
0230-0300	English	11840 9580
0400-2300*	Albanian	6100
0730-1100	Albanian	7150
0900-1100	Albanian	7150
1000-1500**	Albanian	6145
1500-1700	Albanian	7270 5985
1700-1715	English	9760 7155
1730-1800	Italian	7170 5975
1815-1830	Serbian	7270 6080
1830-1900	French	9730 7260
1830-1845	Greek	7270 5985
1845-1900	Turkish	9630 7150
1900-1930	English	9730< 7230
1900-1930	German	9675 7105
1930-2300	Albanian	9725-v 6170-v 1458

* relay of domestic service 1st prog

** relay of domestic service 2nd prog

< Direct info from station claims this freq is 9760 (27-Oct-94/Andy Sennitt/RN MEDIA NETWORK). (28-Oct-94/BBCM)

ANGOLA *Radio Nacional*, Luanda, is noted at 2230 on 3354.7 with news in vernaculars. The only other Angolan outlet currently active on shortwave is the regional station at Benguela on 5043 kHz. (Vashek Korinek, South Africa, via Manuel Rodriguez Lanza in 'The Radio News' #21/WORLD RADIO REPORT/DX ONTARIO) [Not true. 4950.02 is still there too.-AQJ]

In a broadcast monitored on 4 October, *Voice of the Resistance of the Black Cockerel* complained about being jammed by the Luanda government, possibly via a site in Namibia. (07-Oct-94/BBCM)

Radio Angola resumed its transmissions from Kuito on 5 October. By coincidence, 5th October also

marks the anniversary of the establishment of *Radio Angola*. The new antenna and transmitter operate on the FM band. (14-Oct-94/BBCM) [Wonder if enough remains of the companion transmitter of *EP do Bié*—last heard in the '80s on 4895—to return it to the air as well?—AQJ]

ARGENTINA On 6th September the state-owned *Radio Municipal* in Buenos Aires moved from 710 kHz to 1650 kHz at the very top end of the medium-wave band. The station operates with a 1-kW transmitter. (30-Sep-94/BBCM)

AUSTRALIA *Radio Australia* has a new 250 kW transmitter on the air from Darwin with English at 2200-0100 on 9610 kHz daily. The transmitter is also testing on 15425 (Sat only) at 0230-0730 with a 3db reduced carrier. (Andreas Volk on Internet via Manuel Rodriguez Lanza and Ben Krepp/WORLD RADIO REPORT/DX ONTARIO)

Australian Defense Forces Radio has ceased broadcasting to Somalia but is now running transmissions to peacekeeping troops in Rwanda. The time is 1700-1900 in USB mode on 10375 or alternates 10429.5, 10458 or 10650. This service is being supported by a new 60 kW transmitter that was to go into regular service on Aug 15 from Northwest Cape. Another transmission for Africa may be heard on 18735 USB at 0000-0100. (Hugh MacKenzie, ADFRS, via RNMN via 'Shortwave To Go' in SPEEDX Shortwave Radio Today-Sept/94). The *Australian Defense Forces Radio* was heard broadcasting to their troops in Somalia from 1350-1600 on 8930 USB. (TIN, NU #1289). Broadcast to Rwanda contingent noted in on 15606U from 0800-0957 (12-Sep/Martin/OZDX)

Station *IPPP* Canberra will move from 1620 kHz to 1125 kHz on October 17th. Their callsign will then change to *IRPH*. They will use a new txer of 2 kW as the old 500 W unit 'has blown up'. *IPPP/IRPH* caters specifically for the sight impaired, hence the call, *Radio for the Print Handicapped*. This public broadcaster is the last remaining out-of-band (eg. above 1602) station to move into the regular AM band. (03-Oct-94/ David Martin-NZ/SW ECHO)

AUSTRIA Radio Austria International schedule effective 25th September-25th March 1995:

0000-0030	German	13730 9870 9655
0030-0100	French	9655
0030-0100	Spanish	13730 9870
0100-0130	German	13730 9870 9655
0130-0200	English	13730 9870 9655
0200-0230	German	13730 9870 9655
0230-0300	Spanish	13730 9870 9655
0300-0330	German	13730 9870
0330-0400	English	13730 9870
0400-0405	German	15410 13730 6155
0405-0430	Esperanto	15410 13730 6155 (Su only)
0405-0430	German	15410 13730 6155 (Mo-Sa)
0430-0500	German	15410 13730 6155
0500-0505	German	17870 15410 13730 6155
0500-0530	German	6015C
0505-0530	Arabic	17870 15410 13730 6155 (Su)
0505-0530	German	17870 15410 13730 6155 (M-Sa)
0530-0600	English	6015C
0530-0600	English	17870 15410 13730 6155
0600-0630	German	17870 15410 13730 6155 6015C
0630-0700	English	6015C
0630-0730	German	17870 15410 13730 6155
0730-0800	French	17870 15410 13730 6155
0800-0830	German	17870 15450 13730 6155
0830-0900	English	17870 15450 13730 6155
0830-0900	English	13730 6155
0900-1030	German	17870 15450 13730 6155
1030-1100	English	17870 15450 13730 6155
1100-1130	German	13730 6155
1130-1200	French	13730 6155
1200-1230	German	15450 13730 6155
1230-1300	English	13730 11780 6155
1300-1305	German	15450 13730 9870 6155
1305-1330	Esperanto	15450 13730 9870 6155 (Su only)
1305-1330	German	15450 13730 9870 6155 (Mo-Sa)
1330-1400	English	15450
1330-1400	Spanish	13730 9870 6155
1400-1500	German	15450 13730 9870 6155
1500-1530	German	13730 11780 9880 6155
1530-1600	English	13730 11780 9880 6155
1600-1630	German	13730 11780 98870 6155
1630-1700	English	11780
1630-1700	German	13730 9880 6155
1700-1730	German	13730 11780 9880 6155
1730-1800	French	13730 11780 9880 6155
1800-1900	German	13730 9880 6155 5945
1900-1905	German	13730 9880 6155 5945

1905-1930	Arabic	13730 9880 6155 5945 (Su only)
1905-1930	German	13730 9880 6155 5945 (Mo-Sa)
1930-2000	English	13730 9880 6155 5945
2000-2030	German	13730 9880 6155 5945
2030-2100	Spanish	13730 9880 6155 5945
2100-2130	German	13730 9880 6155 5945
2130-2200	French	13730 9880 6155 5945
2200-2230	German	13730 9870 6155 5945
2230-2300	Spanish	13730 9870 6155 5945
2300-2330	German	13730 9870
2330-0000	English	13730 9870

Frequencies marked with the suffix "C" are relayed via *Radio Canada International's* transmitter site at Sackville, New Brunswick. (04-Oct-94/BBCM)

BELGIUM R. Vlaanderen International made a small frequency change on 28th September: 2230-0055 broadcast to South America moves to 9935 kHz (ex 9930). (02-Oct-94/Paul Brems-BELGIUM/SW ECHO). Also, new 6030 (ex 6035) for 2200 EE to Europe and 0030 EE to NAM. (27-Oct-94/Andy Senit/RN MEDIA NETWORK)

BOLIVIA Radio Mauro Núñez is a new station broadcasting from Villa Serrano, capital of Belisario Boeto province. Station is owned by Centro de Estudios para el Desarrollo de Chuquisaca (CEDEC), and its goal is "one voice to serve the poor people, justice, truth and progress." Director is Mr Vladimir Gutiérrez. Frequency was unknown as of this report. (12-Oct-94/ ONDA CORTA via Gabriel Iván Barrera-ARGENTINA)

A new station, *Guayamerin FM 97.5*, was noted Aug 5 at 1000 s/on with national anthem and opening annt: "Buenos días, acaban de comenzar las transmisiones de Guayamerin Frecuencia Modulada 97 punto 5 para Guayamerin y 4630 kilciclos en amplitud modulada, banda de 75 metros para America...". (Manuel Rodríguez Lanza in 'The Radio News' #23/WORLD RADIO REPORT/DX ONTARIO)

Radio Pio XII (5945.7 kHz) has come under attack for speaking out against toxic mineral waste dumping in the mining villages of Patacamaya and Siglo XX, reports the October issue of "La Lettre", the monthly journal of Reporters Sans Frontières (RSF). The station has faced abuse and harassment by government officials in a barrage of letters, phone calls and denunciations in the media. *Radio Pio XII* has enlisted the assistance of the International Radio Broadcasting Association of Bolivia (AIR) to appeal on its behalf to the President of Bolivia. (17-Oct-94/IFEX COMMUNIQUE/Don Moore/INTERNET). [A tough one, but worth seeking out-AQ]

BOSNIA-HERCEGOVINA Updating *LN* for September: *Bosnian Serb Radio*, Bijeljina, has been observed at 0100-0130 on 9580 and 11870 kHz, 1630-1700 on 7215 kHz, and 2100-2130 on 9595

kHz. (07-Oct-94/BBCM). [Extrapolating for time and taking other frequency changes into account, I presume we also have 0600-0630 on 9595, 0630-0700 on 7215. But I've been wrong before.-AQ]

BRAZIL *Radio Difusora Acreana* from Rio Branco has moved to 4880 from previous 4885 kHz. (11-Oct-94/Michiel Schaay-NETH/SW ECHO)

ZYD994 Gospel FM was observed on 3325 kHz at 2300 on 29 August. Currently audible from around 0800-1000 and 1900-2300. Station seems to be using xmr of R. dif. de Sao Paulo. Purpose of this SW xmsn is unknown. (08-Sep-94/Yuji Omiya/Relampago DX #60)

Brasilian overview from Relampago DX:

3325	ZYK864 R. <i>Difusora</i>	0600-2400 (carrier 24h)
3375.3	ZYF907 R. <i>Cl. de Dourados</i>	24 hours
4755	ZYF904 R. <i>Educ. Rural</i>	0400-2400 (Su *0500-)
4775	ZYF902 R. <i>Portal da Amazonia</i>	0400-1300
4795	ZYF900 R. <i>Difusora de Aquidauana</i>	0355-2400
4855	ZYF905 R. <i>Tropical</i>	0600-2230
4895	ZYR200 R. <i>IPB AM Estereo</i>	24 hours
4915	ZYE691 R. <i>Anhanguera</i>	0500-2400
4935	ZYF694 R. <i>Dif. de Jatai</i>	0600-1000, 1600-1900
4955	ZYF906 R. <i>Cl. de Rondonopolis</i>	0400-1800
4975	ZYG865 <i>Super R. Tupi</i>	24 hours
4985	ZYE690 R. <i>Brasil Central</i>	0400-2400
5015	ZYF903 R. <i>Brasil Tropical</i>	24 hours
5955	ZYE965 R. <i>Gazeta</i>	0600-2400
5980	ZYE891 R. <i>Gauruja</i>	24 hours
6000	ZYE852 R. <i>Guaiba</i>	0500-0100
6020	ZYE851 R. <i>Gaucha</i>	0600-0100
6040	ZYE725 R. <i>Cl. Paranaense</i>	0600-1900 (Su -2000)
6060	ZYE727 R. <i>Universo</i>	24 hours
6080	ZYE442 R. <i>Anhanguera</i>	0600-2200
6080	ZYE726 R. <i>Novas de Paz</i>	0700-2400
6090	ZYE956 R. <i>Bandeirantes</i>	24 hours
6120	ZYK968 R. <i>Globo</i>	0600-2300
6150	ZYE950 R. <i>Record</i>	0600-2100
6170	ZYE959 R. <i>Cultura</i>	0500-2400
9505	ZYE951 R. <i>Record</i>	0600-2100
9515	ZYE726 R. <i>Novas de Paz</i>	0700-2400
9565	ZYE727 R. <i>Universo</i>	24 hours
9584.9	ZYE969 R. <i>CBN</i>	0600-1200
9615	ZYE960 R. <i>Cultura</i>	0500-2400 (irreg)
9645	ZYE957 R. <i>Bandeirantes</i>	24 hours
9665	ZYJ890 R. <i>Marumby</i>	0600-2200
9685	ZYE963 R. <i>Gazeta</i>	0600-2400

9725	ZYE725 R. <i>Cl. Paranaense</i>	0600-1900 (Su -2000)
11765	ZYE727 R. <i>Universo</i>	0600-2400
11785	ZYE853 R. <i>Guaiba</i>	0500-0100
11815	ZYE440 R. <i>Brasil Central</i>	0600-1900
11830	ZYE441 R. <i>Anhanguera</i>	0600-2200
11915	ZYE850 R. <i>Gaucha</i>	0600-0100
11925	ZYE958 R. <i>Bandeirantes</i>	24 hours
11965	ZYE952 R. <i>Record</i>	0600-2100
15325	ZYE969 R. <i>Gazeta</i>	0600-2400
17815	ZYE961 R. <i>Cultura</i>	0500-2400 (irreg)

BULGARIA *Radio Bulgaria* schedule effective September 1994 to March 1995:

0000-0100	English	9700 7205	
0100-0200	Bulgarian	9850 9700 7205 7195	
0200-0400	Bulgarian	9700 7205	
0200-0300	Spanish	9850 7335 7195	
0300-0400	Bulgarian	7230 5915	
0400-0500	Turkish	7115 6035 5920	M-Sa
0400-1800*	Bulgarian	9850	
0415-0500	French	9700 7335	
0500-0600	English	9700 7335	
0500-0530	Greek	7115 5920	
0530-0600	Albanian	7115 5920	
0600-0730	Turkish	6000 5920	Su only
0600-0700	Serb-Croat	7115 5920	M-Sa
0600-0645	German	9700 7335	
0700-0745	French	9700 7335	
0730-0900	Serb-Croat	6000 5920	Su only
0900-1000	Greek	7105 5920	Su only
1000-1100	English	12040	
1100-1200	Bulgarian	12040	
1100-1145	German	11860 9700	
1230-1330	English	11740 9770	
1300-1600	Bulgarian	5965	
1530-1600	Russian	7310 5930	
1600-1700	Bulgarian	11630 7235	
1600-1900	Bulgarian	7310 5930	
1600-1645	Serb-Croat	6085 5920	
1645-1730	Albanian	6085 5920	
1700-1745	Arabic	7235 5945	
1715-1800	German	9700 6035	
1730-1815	Greek	6085 5920	
1800-2100	Bulgarian	9850	
1800-1845	French	9700 7305	
1815-1900	Serb-Croat	6140 6085	
1815-2015	Turkish	6005 5970	
1900-2000	Bulgarian	6085	
1900-2000	English	9700 7305	
1900-1930	Russian	7310 5930	
1930-2030	Spanish	7195 6035	
2000-2045	Albanian	6085	

2000-2045	German	9700 7305	0400-0430	9850 9795 9600 9450 7345 7340 7300
2045-2100	Greek	6085 5920		7270 7180 7165 7105 6085 6035 5965
2100-2145	Arabic	7270 7195		5950 5940 5935 5925 5920 5905
2100-2145	French	9700 7305	0430-0500	21790 17890 17735 17710 17675 17620
2100-2145	Italian	9850 7245		17610 17580 17570 17560 15295 15230
2130-2215	Serb-Croat	6085 5920		15160 12040 11765 11710 11675 9865
2200-2300	English	9700 7105		9795 9785 9775 9705 9450 7340 7180
2200-2300	Spanish	9850 7195 6110		7165 7105 6035 6000 5965 5950 5940
2215-2300	Italian	6085	0500-0600	5935 5925 5920 5905 4975 4940 4740
2300-2345	French	9700 7105		17890 17735 17570 15295 13370-usb
2330-0015	Italian	5930		9865 9850 9705 9600 7345 7340 7270
				7180 7175 7165 7105 6000 5950 5940
				5925 5920 5905
			0500-0600	17890 17735 17570 15295 13370-usb
				11710 9865 9850 9705 9600 7345 7340
				7270 7180 7175 7165 7105 6000 5950
				5940 5930 5925 5920 5905
			0600-0700	21790 17890 17840 17735 17620 17610
				17570 15230 13370-u 11710 9850 7345
				7270 7175 5930 5905
			0700-0800	21790 17890 17860 17840 17795 17735
				17620 17610 17570 17560 15385 15230
				13370-usb 12040 11710 11675 9850
				9480 7345 7270 7175 5930 5905
			0800-0830	17890 17860 17840 17795 17620 15230
				13370-usb 11675
			0830-0900	17890 17860 17840 17795 17620 15580
				15230 13370-usb 11710 11675
			0900-1000	17860 17840 17795 17765 17670 15580
				15385 13370-usb 12015 11975 11710
				11675 9800 9550 9480
			1000-1100	17860 17710 15385 12015 11710 11675
				9800 9550 9480
			1100-1200	21600 17860 17765 17755 15560 15495
				15265 15190 13370-usb 12015 11980
				11835 11710 11675 9800 9680 9550
				9470 7205
			1200-1230	15495 15190 13370-usb 12015 11980
				11760 11710 11675 9800 9680 9550
				9540 9470 7205 7160 5960
			1230-1300	15495 15190 13370-usb 12015 11980
				11760 11710 11675 9800 9680 9550
				9540 9470 7205 7160 6060 6000 5960
			1300-1330	17775 17720 15560 15480 15470 15460
				15320 15265 15150 15140 13370-usb
				12065 11865 11765 11710 9830 9810
				9800 9680 9550 9540 7335 7295 7275
				7210 7205 7160 6060 6000 4975 4740
			1330-1400	17775 17720 15560 15480 15470 15460
				15320 15265 15150 15140 13370-usb
				12065 11865 11765 11710 9830 9810
				9800 9680 9550 9540 7335 7295 7275
				7210 7205 7165 7160 6060 6000 4975
				4740
			1400-1430	17780 15560 15480 15465 15450 15320
				15265 15230 15205 15140 13370-usb
				12065 12015 11925 11765 11760 9875
				9830 9810 9635 9550 7350 7335 7275
				7210 7185 7165 7135 6060 6000 5960

* relay of domestic service via Plovdiv
(21-Oct-94/BBCM & Richard D'Angelo)

BURMA A shortwave radio station operated by the armed forces and calling itself *Myawaddy Radio* broadcasts in Burmese and minority languages at 1030-1330 UTC on 5973 kHz. (30-Sep-94/BBCM) [Is this place no longer called Myanmar?-AQ]

CANADA As announced on Hauser's *WOR, CFCX* (6005 kHz) began relaying French-language *CKOI-FM* on 12 October. On 21 October, Glenn reported the station was back to English relay of *CIQC*. As this is written on 27 October, it's back to French and *CKOI*, with trilingual hourly *CFCX* IDs. (AQ)

CHINA *China Radio International* in English at 0300 on new 9710 (ex 9780) via Mali, parallel 11715 via Mali on 26-Sep. (26-Sep-94/Bruce MacGibbon/SW ECHO)

CHINA (Taiwan) *Family Radio/WYFR* Relays

1102-1605	Chinese	9280 5275
1302-1502	English	11550
1502-1602	Hindi	11550
1505-1705	Russian	9955
2100-2200	Chinese	9955 9280 6300
2200-2300	Chinese	9465 9280 6300
2300-0000	Chinese	11550 9465 6300

(14-Oct-94/BBCM)

CIS Radio Moscow English schedule effective 25th September 1994

0000-0100	7165 7105
0100-0200	9920 9400 7315 7180 7165 7105 6120 6005 5915
0130-0200	9920 9400 7315 7180 7165 7105 6120 6005 5940 5915
0200-0230	15455 12050 9850 7315 7180 7165 7105 6120 5950 5940 5915
0230-0300	15455 12050 9850 7315 7270 7180 7165 7105 6120 5950 5940 5915
0300-0330	9850 7270 7180 7165 7105 6085 6035 5950 5940 4940 4740
0330-0400	9850 7345 7270 7180 7165 7105 6085 6035 5950 5940 5905 4940 4740

1430-1500	17780 15560 15480 15465 15450 15320 15265 15230 15205 15140 13370-usb 12065 12015 11925 11765 11760 9875 9830 9810 9635 9550 7350 7335 7275 7210 7185 7165 7135 7115 6060 6000 5960	2200-2300	9890 9750 9620 9550 7400 7380 7350 7330 7320 7300 7180 7150 6055 5995 5975 5965 5920
1500-1530	15480 15465 15320 15265 15205 12065 12015 11825 11765 9885 9830 9775 9635 9600 9575 9505 7360 7330 7295 7210 7185 7180 7165 7115 5935 4940 4795 4740	2300-0000	9750 9620 (04-Oct-94/BBCM)
1530-1600	15480 15465 15320 15265 15205 12065 12015 11825 11765 9885 9830 9800 9775 9635 9600 9575 9505 7360 7330 7295 7210 7205 7185 7180 7165 7150 7115 6110 6005 5935 4940 4795 4740		
1600-1630	17780 15320 15265 15205 12015 9890 9830 9600 9550 7380 7350 7335 7330 7210 7170 7120 7115 6822.5-usb 6175 6055 6015 6000 5995 5965 5950 5935 4975 4740		
1630-1700	17780 15320 15265 15205 12015 9890 9860 9830 9775 9600 9575 9550 7380 7350 7335 7330 7210 7170 7120 7115 6822.5-usb 6175 6055 6015 6000 5995 5965 5950 5935 4975 4740		
1700-1730	15385 11825 9890 9860 9725 9575 9550 9530 9505 7370 7330 7205 7180 7170 7115		
1730-1800	15385 13670 11825 9890 9860 9725 9575 9550 9530 9520 9505 7370 7340 7330 7205 7180 7170 7115 7105		
1800-1900	13670 11945 11825 9890 9860 9575 9550 9530 9505 7370 7340 7205 7180 7170 7105 6110 6055 5995 4940 4740		
1900-1930	15205 13670 11945 11825 9890 9860 9800 9795 9575 9550 9530 9505 7400 7340 7275 7210 7205 7180 7170 7150 6110 6055 5995 4740		
1930-2000	15205 13670 11945 11825 9890 9860 9800 9795 9575 9550 9530 9505 7400 7340 7275 7210 7205 7200 7180 7170 7150 6110 6055 5995 4740		
2000-2030	15385 15205 13670 12015 9890 9875 9860 9800 9550 9530 9515 9490 7420 7400 7315 7275 7260 7215 7210 7205 7195 7180 7170 7135 6110 6085 6055 5995 5920 4860 4055		
2030-2100	15385 15205 13670 12015 9890 9875 9860 9800 9550 9530 9515 9490 7420 7400 7315 7275 7260 7215 7210 7205 7195 7180 7170 7135 6185 6110 6085 6055 5995 5920 4860 4055		
2100-2130	13670 9890 9795 9550 7400 7380 7350 7330 7320 7300 7230 7205 7180 7170 7150 6055 5995 5975 5965 5920 5905 4055		
2130-2200	13670 9890 9795 9750 9550 7400 7380 7350 7330 7320 7300 7230 7205 7180 7170 7150 6055 5995 5975 5965 5920 5905 4055		
			Monitoring research on 13-14 October show that Radio Moscow is still broadcasting in Tamil and Sinhalese, supposedly dropped as of 25 September. Gone, though, are Afrikaans, Amharic, Burmese, Danish, Dutch, Nepali, Slovene, Somali and Thai. Separate English to WCNA has also been discontinued. This service was on the air for 28 hours a week. Radio Moscow is now using less than 9,000 shortwave and medium-wave frequency hours a week, compared to over 15,000 in the period before 25th September 1994. (30-Sep/07-Oct/21-Oct-94/BBCM)
			Voice of Russia ("Golos Rossii") sked, including RS Atlantika . All programs in Russian, omnidirectional.
			0200-0300 7350 7125
			0300-0400 7350 7125
			0400-0500 15110 7350 7125
			0500-0600 15110 7440 7350 7125
			0600-0630 15110 12025 9820 9800 9710 7440 7350
			0630-0700 15110 13650 12025 9820 9800 9710 7440 7350
			0700-0800 15345 15110 13650 12025 11810 9820 9800 9710 7440 7350
			0800-0900 15345 13650 9820 9710 7440 7350
			1100-1200 17795 17680 17670 15220 15200 13650 11945 9845
			1200-1300 17860 17830 17795 17680 17670 15220 15200 13650 9845
			1300-1400* 17860 17680 17670 17530 15305 15220 13650 9845 9780
			1400-1500 17830 17755 17695 17680 17530 13650 9845 9780 7310 7235
			1500-1600 17670 11860 11820 9845 9780 9775 9715 7310 6045
			1600-1700 11860 11820 9820 9780 9775 9560 9450 7440 7310
			1700-1800+ 11820 9820 9775 9765 7440 7310 7245 7235 6045
			1800-1900 9820 9775 9765 9450 7440 7310 7245 7235 6045
			1900-2000 9820 9775 9765 9450 7440 7310 7245 7235 6045
			2000-2100 9820 9775 9765 9730 9560 7440 7310 7245 7235 7160 7120 6045
			2100-2200 9820 9775 9765 9730 9560 9450 7440 7310 7245 7235 7160 7120 6045
			2200-2300 9765 9730 9560 9450 7440
			* Radiostaniya Atlantika Tu/Fri + <i>For Those At Sea</i> on Mondays (14-Oct-94/BBCM)

It's likely that the broadcasts of *Adventist World Radio* over the transmitters located at Novosibirsk in Siberia will be phased out some time in the near future. Those desiring QSLs from this station should send reports to the *AWR* office in Darmstadt, Germany while this relay service is still on the air. At the present time, programs which are produced and coordinated in the five-story Adventist Media Center in Tula, Russia are on the air over a network of several hundred stations—LW, MW, SW, FM & cable—throughout the Russian republics. Beginning quite soon, these broadcasts will be identified on air as *Adventist World Radio*. QSL cards are available for these *AWR* broadcasts and reports should be addressed to AWR-Europe in Darmstadt. (Dr. Adrian Peterson/10-Oct-94/Tom Sundstrom/SW ECHO)

Adventist World Radio-Russia sked 25 September, 1994–25 March, 1995

0300–0600	AA/EE	9885S	ME
1300–1500	Kor/Man	12055N	FE
1300–1500	Kor/Man	6165N	FE
1500–1700	Mand/Hindi	6150N	As
1700–1900	Slovak/Polish	7215S	CEu

Sites: N = Novosibirsk, S = Samara

(Direct/19-OCT-94/DX ANTWERP/Marc Vissers-BELGIUM/SW ECHO)

Recent news from our CIS correspondent:

Radio Radonezh from 1600–1700 on 7230.

Radio Alfa and Omega from 1500–1600 on 5940.

Uralskiy Kommercheskiy Vestnik in Yekaterinburg (formerly on 6200 kHz) has left shortwave.

University Network via Novosibirsk: 0030–1100 12065, 1100–2400 6070

Radio Vedo in Volgograd relays *VOA Europe* 0500–0900 5915, 1500–1900 13710; also relays *VOA Russian* 0900–1000 5915, 1900–1910 13710.

Radio Slavyanka observed:

0200–0400 4940 4975 5950 5965 6160 7235
1700–1900 4740 4940 4975 6090 6175 7325 7335
7370

BBC via Yekaterinburg (Ukrainian program):

0500–0530 7370

2000–2030 5905

(01-Oct-94/Nikolai Rudnev-RUSSIA)

Radio Tashkent is new on 13785 kHz from 1200–1500 in South Asian languages. (27-Oct-94/Victor Goonetilleke-SRI LANKA/RN MEDIA NETWORK)

Radio Al-Risalah, the Moscow-based Muslim religious station, was heard signing on in Russian at 1500 on 3rd October on 6015 kHz, announcing that it was transmitting to Uzbekistan at 1500–1600 on 6095 kHz, and to Kazakhstan and Bashkortestan at 1500–1600 on 6015 kHz. (14-Oct-94/BBCM)

Universeller Leben ("Universal Life") is a German religious broadcaster using *Radio Moscow* transmitters. Station uses 7320 and 11945 kHz from 1800–1900 Tuesdays only. Address is P.O. Box 5643, 97006 Wuerzburg, Germany. (09-Oct-94/R. JAPAN MEDIA ROUNDUP/BBCM)

Radio Intercontinental has added a 5-minute English program to its lineup. Full sked (with IDs in Armenian) now appears to be:

0630–0700	"Mitternachtsruf"(GG)	15400
0700–0705	"Definition" (EE)	15400
0705–0715	Armenian	15400
2200–2230	"Mitternachtsruf"(GG)	11790

(14-Oct-94/BBCM) [See LN September for mailing addresses.—AQ]

Belarussian Radio's First Program and *Radio Mogilev* have set up two 10-kW shortwave transmitters at a small radio center in the northern outskirts of Mogilev. The first operates at 0300–1600 on 6115 kHz and at 1600–2200 on 11690 kHz. The second operates at 0300–1515 on 5965 kHz, and at 1515–2200 on 11840 kHz. The reserve frequencies are 7145, 11985, 7320 and 17715 kHz. *Radio Mogilev* broadcasts every day except Sundays and holidays at 0340–0400 and at 1500–1540. There are extra transmissions on Thursdays and Saturdays at 0715–0740. (18-Sep-94/DX CLUB/Voice of Russia/BBCM)

Radiostantsiya Belarus external service consists of German and English religious programs including *Die Antwort* (Postfach 767, CH-1701 Freiburg, Switzerland) and *Radiofenster* in German, and *Bible Focus* (PO Box 205, Doncaster, DN10 6LZ, U.K.) in English. Some frequencies may be relayed from transmitters in Russia and Ukraine.

0030–0100	Belarussian	7150-Russia
1900–2000	Belarussian	7405 7210 7105 5940 Th only
1900–1930	Belarussian	7405 7210 7105 5940 Fr–We
1930–1945	Belarussian	7405 7210 7105 5940 Mo/Tu/Fr
1930–2000	German	7405 7210 7105 5940 Sa/Su/We
1945–2000	Polish	7405 7210 7105 5940 Mo only
1945–2000	English	7405 7210 7105 5940 Tu only
1945–2000	German	7405 7210 7105 5940 Fr only

(28-Oct-94/BBCM)

A listener in Yekaterinburg reports hearing broadcasts from *R. Abkhazia* (in western Georgia) in the Russian and Abkhaz languages "until 0520 [UTC] on 9373 kHz." Announced sked is Tuesday and Saturday at 0430 and 1500, with Abkhaz and Georgian language programming. (16-Oct-94/DX CLUB program/VO RUSSIA/BBCM)

Via transmitters in Romania, **Radio Moldova International** schedule valid from 25th September 1994 to 26th March 1995

0130-0200	R'manian	7190
0200-0225	English	7190
0230-0255	Spanish	11775
0400-0425	Russian	6135
0430-0455	Spanish	7270
1100-1125	Spanish	17775
1200-1225	Spanish	15335
1230-1300	R'manian	15315
1300-1325	English	15315
1400-1425	French	15315
1430-1455	English	15315
1830-1855	English	7235
1900-1925	Russian	6050
2000-2025	French	7235

(21-Oct-94/BBCM)

CLANDESTINE-ASIA *Voice of the People* (Korean ID: "Yoginun Pyongyang-eso ponaedurinun imminisoribang-immida"), but transmitters are believed to be located in South Korea.

0300-0500	6600	6518
0900-1700	3912	
2000-2200	6600	3912-alt
2300-0100	6600	6518

(21-Oct-94/BBCM)

The opposition station *Voice of Free Tajikistan* has been heard again after an absence of a few months. It was observed on 15th September with a transmission in Tajik at the previously-scheduled time of 0900-0930 UTC on 7032 kHz, a slight change from its previous frequency of around 7090 kHz. However, broadcasting appears to be erratic as the station was not heard on subsequent days. (23-Sep-94/BBCM)

CLANDESTINE-MIDEAST *The Voice of Independent Kurdistan*, which supports the Kurdistan Workers' Party (PKK), was heard on 26th September with a broadcast in Arabic, the first time it has been heard in that language. Since it was first observed in February 1993 it had only been heard with programs in Kurdish and Turkish. The broadcast in Arabic was observed in progress at 1425 (to 1445*) on 7004 kHz, within the time and frequency ranges normally used by the radio. In Arabic the radio identified itself as "huna sawt Kurdistan al-mustaqillah." (30-Sep-94/BBCM)

The Voice of Iraqi Kurdistan, which broadcasts on behalf of the Kurdistan Democratic Party (KDP) in Kurdish and Arabic, on 30th September announced that from 1st October it would be broadcasting at 0345, 1030 and 1545 UTC. It added that its frequencies (4180 and 1610 kHz) would remain unchanged. (07-Oct-94/BBCM)

Voice of the Islamic Revolution in Iraq, an Iran-based radio which broadcasts on behalf of the Supreme Assembly of the Islamic Revolution in Iraq (SAIRI), a

Shi'i group opposed to the Saddam Hussein government, was heard at 1600 on 17th October on the new frequency of 8340 kHz in parallel with the previously-used channels of 7115 and 9670 kHz. (21-Oct-94/BBCM)

COLOMBIA *Radio Tunja* is apparently new on 4584 shortwave, heard at 0950-1012 on Aug 7 relaying Radio Tunja-1120 MW which belongs to the CARACOL Network. (Manuel Rodriguez Lanza in 'The Radio News' #23/WORLD RADIO REPORT/DX ONTARIO)

Ondas Del Meta, 4884.3, has reactivated its shortwave channel, noted as late as 0630 UTC. It belongs to the *Sistema Super* network. (H. Klemetz, PLAYDX #806)

As of September 25th, a new CARACOL show produced especially for foreign listeners began at 0530-0600 UTC. The Spanish program is called *Amanacer En America*, and appears on the frequencies of 5075 and 6150 kHz. Reception reports will be verified with a special QSL card and a new large CARACOL sticker. On Sunday, December 18th, a drawing will be held from all the reports received and winners will receive such prizes as CDs, pennants, and even a small "Tiple" Colombian guitar. Mail should be sent to: Amanacer En America, Ap. Aereo 48984, Santa Fe De Bogota, Colombia. The producer of the program is: Sr. Luis Albero Leon, the presenter: Sr. Herbin Hoyos Medina. (H. Klemetz, PlayDX #805). Not mentioned in the report, but I assume only on Sundays? (CF)

CONGO *Radiodiffusion Nationale Congolaise* has been noted closing at 2130 instead of its customary 2400 UTC. The station frequently identifies as simply "Radio Congo" or "RNC". Programming is in French, Lingala, Kikongo, Subia, English and Portuguese. News in French at 0400, 0700, 0800, 0900, 1000, 1200, 1330, 1500, 1800 and 2100. News in local languages at 0530, 0803 and 1100.

0400-0700	4765	5985
0700-1100	7105	9610
1100-1400	9610	15190
1400-1700	7105	9610
1700-2130	4765	5985

(27-Sep-94/BBCM)

COSTA RICA Work on the establishment of the large transmitter base of *Adventist World Radio* at Cahuita on the Atlantic Coast of Costa Rica is nearing completion and the five shortwave transmitters are now beginning to assume their full load of regular programming. Initial reports indicate this site is being heard at good levels throughout the Americas as well as in the Pacific and Europe. Because of the expanded role of AWR-Latin America and to allow for other areas of expansion that are now under consideration, AWR-Latin America has been redesignated as AWR-Pan America. (Dr. Adrian Peterson/10-Oct-94/Tom Sundstrom/SW ECHO)

Adventist World Radio sked 25 September, 1994-25 March, 1995

1100-1500	SS/EE	5030	CAM
2300-0500	SS/EE	5030	CAM
1100-1500	SS/EE	6150	CAM
2300-0500	SS/EE	6150	CAM
1100-1500	SS/EE	9725	CAM
2300-0500	SS/EE	9725	CAM
1100-1500	SS/EE	11870	CAM
2300-0500	SS/EE	11870	CAM
1100-1500	SS/EE	13750	CAM
2300-0500	SS/EE	13750	CAM

(Direct/19-OCT-94/DX ANTWERP/Marc Vissers-BELGIUM/SW ECHO)

Radio for Peace International has moved its daytime USB service to 17905 kHz from 1200-0000 UT, and is experimenting with 12150 kHz USB from 0000-1200. (09-Oct-94/John Doty/INTERNET)

CUBA Cuban TV recently broadcast a special 40-minute program entitled *Psychological Warfare* presented by Carlos Iglesias and featuring Ana Irma Ramos Pereira and Raul Berrier Molina, described as "communications specialists." A narrator said that there were 19 stations, 33 frequencies broadcasting propaganda against Cuba 1,712 hours a week. **Radio Marti** was the leading station: "It was created by the CIA in 1985 as part of the Reagan and Bush administrations' platform, known as the Santa Fe Programme." Berrier said there were other shortwave and mediumwave stations broadcasting to Cuba, and underlined the role of Radio Marti, which used 18 frequencies, and broadcasts 24 hours a day. He mentioned **WCMQ Radio**; **WAQI-Radio Mambi**; **WQBA-La Cubanísima**; **Radio Fe**; and shortwave stations such as **La Voz del CID** (Cuba Independiente y Democrática), which answers to Huber Matos; **La Voz de Alpha-66**; and **La Voz de la Fundacion**. Berrier added that "the Alpha-66 radio represents the interests of a terrorist group. Some of its programs—such as one on explosives—aim to instruct Cuban listeners on sabotage techniques, robbing tourists, interrupting electrical power, etc. It is a subversive station." Regarding **La Voz de la Fundacion** radio station, Berrier said that it had "broadcast many lies in the past, such as the death of Fidel Castro", and that "these stations represent the interest of specific counter-revolutionary groups in Miami." Berrier went on to say that "this network of stations proves that a psychological war against Cuba is taking place, as has never before happened in history." He explained that the CIA spent 23m dollars in broadcasting to other nations in 1993, while in broadcasting to Cuba, it invested 28m dollars for the same period. (21-Oct-94/BBCM)

CZECH REPUBLIC Following up last month's item about the possibility of **Czech Radio** leaving shortwave: the Foreign Ministry's consultation committee recommended to the Czech Government Office that

Czech Radio continue to have a commission by the state to ensure the Czech Republic's official foreign broadcasts in 1995. The committee said the radio, which has the status of a public corporation, would have to get by with the same budget as this year of 51m crowns (1.3m dollars). A more permanent contract with the government is to be discussed at the end of 1995. (21-Oct-94/BBCM)

Radio Prague uses transmitters in the Czech Republic and Slovakia. The same transmitters also carry **Slovak Radio's** external service.

0000-0027	English	7345 5930
0030-0057	Spanish	7345 5930
0100-0127	English	7345
0130-0157	Czech	7345
0200-0227	Spanish	7345
0230-0257	Czech	7345 5930
0300-0327	English	7345 5930
0330-0357	English	9440 7345 5930
0600-0627	French	9440 7345 5930
0630-0657	German	9505 7345 5930
0700-0730	English	9505 7345 5930
0730-0757	English	21705 17485
0800-0827	Czech	21705 17485
1100-1127	German	9505 7345 6055
1130-1157	English	11990 9505 7345
1200-1227	French	11990 9505 7345
1230-1257	Spanish	11990 9505 7345
1300-1327	German	9505 7345 6055
1330-1357	Czech	9505 7345 6055
1500-1527	Czech	13580 9420 5930
1530-1557	French	9420 7345 5930
1600-1627	German	7345 5930
1630-1657	Czech	9420 7345 5930
1700-1727	English	9420 7345 5930
1730-1757	French	9420 7345 5930
1800-1827	English	9420 7345 5930
1830-1857	Czech	9420 7255 5930
1900-1927	Spanish	9420 7265 5930
1930-1957	French	9420 7345 5930
2000-2027	Spanish	9420 7265 5930
2030-2057	French	9420 7255 5930
2100-2127	English	9420 7345 5930
2130-2157	Spanish	9420 7345 5930
2200-2227	English	9420 7345 5930
2300-2327	Spanish	9405 7345 5930
2330-2357	Czech	9405 7345 5930

(21-Oct-94/BBCM)

Radio Ropa is now on 0400-1500 on 5980 and 1600-2200 on new 5975. Programs in German. (R. Vlaanderen DX via Oct. DXers Calling)

DJIBOUTI Radio Djibouti has been off 4780 kHz since August of 1993 when the transmitter broke down. They have no spare parts. (Johnson, NU #1289)

ECUADOR For the 1700-2000 English transmission to Europe, **HCJB** has replaced 15350 with new 15490 kHz, parallel to 21455 (SSB). The station would like reports on the new channel. (Ken McHarg-HCJB/27-Oct-94/Andy Sennitt/RN MEDIA NETWORK)

ETHIOPIA In addition to the external service schedule (see LN September), the separate **Radio Ethiopia National Service** carries a broadcast in English on Mon-Fri at 1030-1100 on 9705, 7110 and 5990 kHz. (BBCM)

FINLAND **YLE Radio Finland** in English, from 25th September 1994 to 25th March 1995:

0530-0600	11755 9635 6120
0745-0800	11755 9560 6120
0900-0930	17800-usb 15330
1230-1300	17740-usb 15400 11735
1330-1400	17740-usb 15400 11735
1430-1500	17740-usb 15400 11735
1930-2000	11755 9730 6120
2330-2400	9680 6015 5990

News in Latin is broadcast Sundays only per the sked:

0553-0600	11755 9635 6120
0555-0600	6120
0923-0930	17800-usb 15330
1953-2000	11755 9730 6120
2353-2400	9680 6015 5990

(28-Oct-94/BBCM)

FRANCE **RFI** has abandoned its plans for a relay station in Djibouti. Instead, funds will be directed toward the building of a relay station in Thailand. (29-Sep-94/RN MEDIA NETWORK/BBCM)

GABON **Swiss Radio International** has announced it will cease the use of the relay station at Moyabi in Gabon on 31st December 1994. (30-Sep-94/BBCM)

GUAM **KSDA/Adventist World Radio** sked 25 September, 1994-25 March, 1995:

0000-0200	BU/BA	17645
0200-0400	MA	15225 (Sa/Su)
0200-0400	MA	13720 (Sa/Su)
0900-1100	MM	11980
0900-1300	MA/KK	9370
1000-1100	RR	9530
1100-1500	Asian lg.	13720
1100-1600	MA	7455
1300-1400	JJ	9650
1400-1700	Si/EE	9370
1500-1700	Indian lg.	7395
2000-2100	KK	5950
2100-2200	MA	5960
2100-2200	JJ	9495
2100-2300	MA	7455
2200-2300	MA	9370
2200-2300	IN	13720

2300-0000	VV	15610
2300-0000	EE	11980
2300-0200	MA	15225

(Direct/19-OCT-94/DX ANTWERP/Marc Vissers-BELGIUM/SW ECHO)

GUATEMALA A new Guatemalan Evangelical Protestant station was heard between 0017-0145+ UTC on 10/10/94. The station, **Radio Cultural Coatan**, is located in San Sebastian Coatan in Huehuetenango Department, western Guatemala. It sometimes IDs simply as **Radio Coatan** or **Radio Cultural**. The frequency heard was 4849.5 kHz, however they announced a frequency of 4770 kHz. Sign-off must be at 0200 or 0230. Also noted around 1115 UTC, but not before 1100. Except for a top of the hour ID in Spanish, the talk was all in a Mayan language. San Sebastian Coatan is located at 91 35 W and 15 45 N, or about 20 km ENE of Jacaltenango. Tetsuya Hirahara from the Radio Nuevo Mundo club in Japan writes that they had heard from Wayne Berger, engineer at **Radio Cultural TGN/TGNA** in Guatemala City (3300 kHz SW) and he had told them that this station would be using an old transmitter from **TGN/TGNA**. Hence, assumedly, the name "**Radio Cultural Coatan**" in homage to the larger station in Guatemala City. (08-Oct-94/Don Moore) Heard this morning 10/18 at 1150-1203+ on 4779.8 kHz. (18-Oct-94/Don Moore)

Those who desire a QSL card from **Union Radio/ AWR-Guatemala** should send a reception report quite soon, as the future of the very old 10kW shortwave transmitter is quite uncertain. This station radiates only about 3 kW on 5980 kHz and reports should be addressed to **AWR-Guatemala** in Guatemala City. In case of difficulties in obtaining a reply, reports may be addressed to the **AWR** office in Indianapolis [903 Tanning Drive, Indianapolis, IN 40239]. (Dr. Adrian Peterson/10-Oct-94/Tom Sundstrom/SW ECHO)

Adventist World Radio sked 25 September, 1994-25 March, 1995

1100-1500	SS/EE	5980	CAm
2300-0030	SS/EE	5980	CAm

(Direct/19-OCT-94/DX ANTWERP/Marc Vissers-BELGIUM/SW ECHO)

HUNGARY **Radio Budapest**

0000-0100	Hungarian	11910 9835 7220	Mo
		5970	
0100-0200	Hungarian	9835 7220 6025	
0200-0230	English	9835 7220 6025	
0230-0330	Hungarian	9835 7220 5965	
0330-0400	English	9835 7220 5965	
0400-0430	Russian	7150 5970 3975	
0430-0500	Ukrainian	6130 3975	
0500-0530	Romanian	7220 5970 3960	
0530-0600	Croatian	7240 5970 3960	
0600-0630	Slovak	7240 5970 3960	
0630-0700	Serbian	7240 5970 3960	
1000-1100	Hungarian	15220 13695 11910	



English Language Shortwave Broadcast Schedules November 1994



VOICE OF NIGERIA



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

Prepared 10/27/94 at 12:29 AM.

For November, thanks to Ed Evans (MRI), Adam Lock (WWCR), Ken MacHarg and Richard McVicar (HCJB), Jonathan Marks (Radio Netherlands), Dr. Adrian Peterson (AWR) and Andy Sennitt (WRTH). And a very special thank-you to Ralph Brandi who uses his talents to assemble the full schedule listing herein.

The solar cycle minimum and crowding of frequencies has produced shuffling of frequencies after the start of the winter season. Adam Lock provided advance notice that WWCR transmitter #3 moves to 5065 effective October 10. 5810 and 5890 were dropped. At the end of October both HCJB and R Vlaanderen Intl moved to lower frequencies.

Hungary to Eu at 20 uses 3975 and at 22 3955. At 22 that's an illogical move, what with the BBC on the same frequency.

Croatia has been reported at 2203 with news in English on 13840 and 9820, but the latter sender goes off the air at 2200 whenever I've listened.



News from Adventist World Radio: The future of the very old 10kw Guatemalan transmitter is uncertain. The transmitter is only putting out around 3 kw. If you want a QSL from this site, do it now.

The same suggestion applies to those seeking a verification of the Novisibirsk site, as this one will be phased out in the near future. AWR Latin America has been renamed to AWR Pan America to reflect the wider coverage of the Cahuita transmitters throughout the Western hemisphere and parts of Europe and the Pacific.



The St. Helena broadcast on October 14 was difficult at best throughout much of NAM. There was a FDM (frequency division multiplex) broadcaster sitting on 11095 or so, and we could hear multiple active channels of

50 and 75 baud, 85 Hz shift, RTTY when tuning with a narrow filter. As you heard on *Media Network*, there will no broadcast in 1995.

The shuffling of frequencies for the Winter season has produced some interesting results. For example, Pakistan at 17 UT to wEu on 11570 is usually quite good here. And Bangladesh at 1230 UT to wEu on 13615 is fair, and even 9468 is readable. Jordan and Ethiopia have both put in some very good appearances on 9560 at 16 UT.



Thanks to Michael Matus of New Mexico for the loan of the receiver and to Mike Cox of Watkins-Johnson for some tips on cabling, I'm pleased to announce that our SCHEDULES software now loads the data into the HF-1000 and WJ-8711 receivers. Additionally, an HF-1000 memory management version of our receiver control software will be ready by the time you read this.

The 1995 edition of the World Radio TV Handbook is scheduled



to be shipped from the printer between Christmas and New Years. This is the industry standard reference tool used worldwide by listeners and broadcasters alike. Most SWL mail order houses take advance orders at a reduced pre-publication price. I recommend you order your copy from those firms that support NASWA: Universal Radio or Gilfer Shortwave. Why not do it now before you get caught up in the holiday crush at year's end?



Mark your calendar. March 16, 17 and 18 are the dates for the next Winter SWL Festival at the Holiday Inn in Kulpville, PA

(north of Philadelphia). This gathering of the SWL clan attracted more than 225 persons from Europe, Canada and the USA last year. Almost all of the ANARC member clubs had representatives there. It's great fun. Details are forthcoming. A word to the wise: Plan ahead...



PC Software by W2XQ

English Language SWBC Schedules
JRC/Kenwood/Lowe Receiver Control
TRS Time for Windows™

Send #10 SASE (2 IRCs) for a catalog or download TRS_CAT.EXE from the Pics OnLine! BBS at (609)753-2540. Type SWL at a main menu prompt. Get weekly updated full schedule and DX show data whenever you want it by making a 4 minute phone call; no cutting and pasting pages. See p.594 1994 WRTH.

TRS CONSULTANTS, PO Box 2275-NA, VINCENTOWN, NJ 08088-2275

SCHEDULES BY SUNDSTROM

Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0000	0000	Russia	R Moscow Int'l	7105.0										World Service		09/26/94
0000	0027	Czech	R Prague	7345.0	5930.0									NAm		10/01/94
0000	0030	Australia	R Australia	17750.0	13745.0	9610.0								As/Pac/PapNG		08/18/94
0000	0030	Lithuania	R Vilnius	7150.0										NA	Tu-Sa only 5min news.	01/27/94
0000	0030	Norway	R Norway Int'l	6120.0	6115.0									NAm/SAm	Mo only	09/10/94
0000	0030	Thailand	R Thailand	9690.0										S&I		08/18/94
0000	0030	USA	VDA	15205.0	15120.0	11580.0	9775.0	9455.0	7405.0	5995.0				Americas	hrd 9/25/may not continue?	10/07/94
0000	0030	Yugoslavia	R Yugoslavia	11870.0	9598.0 7110									NAm		09/25/94
0000	0050	North Korea	R Pyongyang	15130.0	13760.0	11335.0								Am		11/22/92
0000	0055	China	R China R Int'l	11715.0	9710.0									wNAme/NAme		10/14/94
0000	0059	Canada	R Canada Int'l	9735.0	5960.0									USA	Su&Mo	10/16/94
0000	0100	Bulgaria	R Bulgaria	9700.0	7205.0									NAm		09/17/94
0000	0100	Costa Rica	AWR Pan America	9725.0	6150.0	5030.0								Am	subject to change	10/10/94
0000	0100	Spain	R Exterior de Espana	9540.0										NAm		10/03/93
0000	0100	USA	VDA	11695.0	9455.0	6130.0	930.0							Caribbean		09/30/94
0000	0100	USA	VDA	17820.0	17735.0	15305.0	15290.0	15185.0	11760.0	9890.0	7215.0	6035.0	1575.0	Caribbean		10/07/94
0000	0100	USA	WSHB	9430.0										As/s&As/Pac		09/23/94
0000	0100	USA	WSHB	7535.0	7535.0									eAm/SAm		09/23/94
0000	0100	USA	WYFR	6085.0										eAm/Carib		09/23/94
0000	0200	Cuba	R Havana	6010.0										NAm	Network Tu-Su	03/24/93
0000	0200	Philippines	FBC	15450.0										eAm		10/22/94
0000	0200	USA	KAL	13740.0										seAs/India		01/26/94
0000	0200	USA	KWHR	17510.0										NAm		08/11/94
0000	0200	USA	WEWN	7425.0	5825.0									Am/Eu		09/05/94
0000	0200	USA	WVHA v WCSN	9855.0										Am	Tu-Sa	08/13/94
0000	0230	USA	KVOH	17775.0										Am/Carib	Tu-Sa	05/30/93
0000	0330	United Kingdom	BBC World Service	7325.0	7325.0	6175.0	5970.0							NAm	#3 0015- #4 SAam	10/15/94
0000	0800	USA	WHRI	9495.0	7315.0									Carib/eNAme	separate pgm 00-05	06/16/93
0000	0900	USA	WWCR	7435.0										Eu/ME/nAl	ix #1	10/14/94
0000	1100	USA	WINB	11950.0										CAm		09/05/94
0000	2400	Canada	CFCX	6005.0										Canada	relay CFCF-600	01/27/92
0000	2400	Canada	CFRX	6070.0										Canada	relay CFRB-1010	01/28/91
0000	2400	Costa Rica	R/for Peace Int'l	17905.0	15029.5	12050.1	9400.1	7384.7						LAm/NAm		10/08/94
0000	2400	USA	WJCR	17595.0	13595.0	7490.0								nENAm/Eu/ME/CA/SA		04/10/94
0030	0055	Belgium	BBC World Service	9935.0	6035.0									CAm/SAm		10/15/94
0030	0100	Australia	R Vlaanderen Int'l	17750.0	15510.0	15240.0	13745.0	9660.0	9610.0	9580.0				SAm/NAm		10/21/94
0030	0100	Australia	R Australia	17860.0	17795.0	15415.0	15365.0	13755.0	13605.0					As/Pac/PapNG		08/18/94
0030	0100	Australia	R Australia	6200.0	6065.0									As/Pac/PapNG		08/18/94
0030	0100	Sweden	R Sweden	11905.0	9655.0									LAm		09/27/94
0030	0100	Thailand	R Thailand	11905.0	9655.0									eNAme/s&As		10/20/94
0030	0100	USA	VDA	15205.0	15120.0	11580.0	9775.0	9455.0	7405.0	5995.0	1580.0	1530.0		Americas		10/07/94

SCHEDULES BY SUNDSTROM

Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0030	0127	Netherlands	R Netherlands	11655.0	9840.0	6165.0	6020.0							eNAM		09/18/94
0030	0127	Netherlands	R Netherlands	7305.0	5905.0									SAS		09/18/94
0030	0130	Iran	V of Islamic Rep of Iran	11790.0	9022.0	7100.0								NAM		10/14/94
0030	0430	Ecuador	HCJB	21455.0	17490.0	12005.0	9745.0							NAM		07/01/94
0040	0055	Venezuela	R Nacional de Venezuela	9540.0										NAM	news/Eng Tu-Su	06/06/91
0050	0110	Italy	RAI	11800.0	9725.0	6005.0								NAM		03/11/94
0100	0127	Czech	R Prague	7345.0										NAM		10/01/94
0100	0130	Slovakia	R Slovakia Int'l	9440.0	7300.0	5930.0								NAM		09/25/94
0100	0130	Switzerland	R Switzerland	9905.0	9885.0	6135.0	5885.0							NAM/CAM		10/02/94
0100	0130	USA	WRMI	9955.0										CAM/Carib		08/20/94
0100	0130	Uzbekistan	R Tashkent	9740.0	9715.0	7250.0	7190.0							AS		06/19/94
0100	0150	Germany	R Deutsche Welle	9700.0	9870.0	9585.0	6040.0	930.0						NAM		09/03/94
0100	0200	Australia	Aust Defense Forces R	13525.0										NAM		09/15/94
0100	0200	Australia	R Australia	17880.0	17750.0	17715.0	15510.0							Malaysia		08/18/94
0100	0200	Australia	R Australia	17860.0	17795.0	15415.0	15365.0	13755.0	9660.0	9580.0				AsPac/PapNG		08/18/94
0100	0200	Australia	R Australia	17845.0	17810.0	15195.0	11910.0	11860.0	11840.0					AsPac/PapNG		03/21/94
0100	0200	Japan	R Japan	9965.0										GUS:NAM		10/23/94
0100	0200	Russia	R Moscow Int'l	7105.0	5940.0									World Service		09/28/94
0100	0200	Russia	AWR	7275.0										India		09/18/94
0100	0200	Slovakia	R Slovakia	15575.0										Am		10/03/93
0100	0200	South Korea	R Korea	7550.0										Eu		10/03/93
0100	0200	Spain	R Exterior de Espana	9540.0										NAM		10/03/93
0100	0200	Ukraine	R Ukraine Int'l	17665.0	11870.0	9810.0	9620.0	7180.0	6055.0	4780.0				NAM	#1 not annod	09/28/94
0100	0200	USA	VOA	15205.0	15120.0	11580.0	9775.0	9455.0	7405.0	6130.0	5995.0	1580.0	1530.0	Americas	#9&10 nCAM	10/07/94
0100	0200	USA	WSHB	7535.0										eNAM		09/23/94
0100	0200	USA	WSHB	9430.0										CAM/SAM		09/23/94
0100	0200	USA	VOA	21550.0	17740.0	15340.0	15250.0	11725.0	11705.0					SAS		10/07/94
0100	0300	USA	VOA	9740.0	7651.0	7215.0	7205.0	7115.0						SAS		10/07/94
0100	0300	USA	WYFR	9505.0	6065.0	5950.0								NAM	#1&2 Network Tu-Su	10/01/94
0100	0300	USA	WYFR	9505.0	6065.0	5950.0								NAM	tx #2	10/14/94
0100	1400	USA	WWCR	5935.0										eNAM		09/05/94
0100	1500	USA	KTBN	7510.0										eNAM		09/29/94
0130	0140	Greece	V of Greece	15650.0	9935.0	9420.0								Aus:NAM		07/09/94
0130	0145	Albania	R Tirana	11840.0	9580.0									NAM		09/14/94
0130	0200	Austria	ORF	9655.0										NAM		03/25/94
0130	0200	Austria	ORF	13730.0	9870.0									LAM		09/27/94
0130	0200	Sweden	R Sweden	11695.0	9895.0									AsPac		09/27/94
0130	0227	Netherlands	R Netherlands	11655.0	9860.0	7305.0	5905.0							SAS		09/18/94
0140	0200	Vatican State	Vatican Radio	7335.0	5980.0									AS/AusNZ		09/20/94
0145	0200	United Kingdom	BBC World Service	9590.0										CAM/SAM		10/15/94
0200	0225	Moldova	R Moldova Int'l	7190.0										NAM		10/05/94
0200	0230	Hungary	R Budapest	9835.0	7220.0	6025.0								NAM	Carib Report Tu-Sa	10/07/94

SCHEDULES BY SUNDSTROM

Xmas Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0200	Norway	R Norway Int'l	9560.0										NAm/CAM	Mo only	09/10/94
0200	Philippines	FBCB	15450.0										seAs/India	Mo-Fr	01/26/94
0200	United Kingdom	BBC World Service	9590.0										CAM/SAM		10/15/94
0200	USA	VOA	15205.0	15120.0	11580.0	9775.0	9455.0	7405.0	5995.0				Americas	Tu-Sa	10/07/94
0200	Yugoslavia	R Yugoslavia	6195.0										NAm		09/25/94
0200	Germany	R Deutsche Welle	9690.0	9615.0	9515.0	7355.0	7285.0				1548.0		sAs		10/22/94
0200	Romania	R Romania Int'l	11940.0	11830.0	9570.0	9510.0	6155.0						NAm		05/22/93
0200	Canada	R Canada Int'l	11845.0	11725.0	9755.0	9535.0	6120.0						Carib/LAM/NAM		10/16/94
0200	Argentina	RAE	11710.0										Americas	Tu-Sa	12/04/93
0200	Russia	R Moscow Int'l	15425.0	12050.0	7105.0	5940.0							World Service		09/28/94
0200	Taiwan	V of Free China	9680.0	5950.0									NAm		10/09/93
0200	Taiwan	V of Free China	15345.0										Jap/Kor		10/09/93
0200	Taiwan	V of Free China	7130.0										Aus/NZ		09/27/94
0200	Taiwan	V of Free China	11845.0										Malay/Viet/Window		09/27/94
0200	Taiwan	V of Free China	11740.0										CAM		10/09/93
0200	USA	WFCWN	9410.0	7425.0	5825.0								ME/Am/Eu		10/27/94
0200	USA	WSHB	5850.0										w&cNAM		09/23/94
0200	USA	WSHB	9430.0										Mexico		09/23/94
0200	Egypt	R Cairo	11600.0	9475.0									NAm		07/25/93
0200	United Kingdom	BBC World Service	9515.0										NAm		10/15/94
0200	Cuba	United Kingdom	9820.0	6010.0									clAM/eNAM		10/22/94
0200	USA	KWHR	17510.0										eAs		04/22/94
0200	Australia	R Australia	17860.0	17750.0	17715.0	15510.0	15425.0						As/Pac/PapNG		08/18/94
0200	Australia	R Australia	17860.0	17795.0	15415.0	15365.0	15240.0	13605.0	9660.0	9580.0			As/Pac/PapNG	#4&5 Sa-Su	08/18/94
0200	USA	KAU	9615.0										NAm		08/11/94
0210	Turkmenistan	V of Turkmen	5015.0	4825.0									ME	Mo-Sat/irregular	03/31/94
0230	Pakistan	R Pakistan	21730.0	17705.0									sAs/seAS	Slow-speed English	06/19/94
0230	Albania	R Tirana	11840.0	9580.0									NAm		07/09/94
0230	Portugal	R Portugal	11840.0	9705.0	9635.0	9570.0	9555.0						SAM/NAM		10/14/94
0230	Sweden	R Sweden	9850.0	6200.0									NAm		09/20/94
0230	Netherlands	R Netherlands	11655.0	9860.0									sAs		09/18/94
0230	Philippines	R Philippines	21580.0	17840.0	17760.0								eAs		08/27/91
0230	United Kingdom	BBC World Service	5975.0										CAM/NAM		10/15/94
0250	Vatican State	Vatican Radio	7305.0	6095.0									NAm		12/11/93
0300	Czech	R Prague	7345.0	5930.0	11880.0								NAm		09/30/94
0300	Japan	R Japan	15230.0	11885.0	11880.0								Reg Svc:NAnt/Hawaii		03/27/94
0300	Thailand	R Thailand	11905.0										wNAM		10/20/94
0300	Germany	R Deutsche Welle	9650.0	9535.0	6120.0	6085.0	6045.0						NAm		10/22/94
0300	China	R Int'l	11715.0	9710.0	9690.0								wNAM/eNAM		10/14/94
0300	Canada	R Canada Int'l	9755.0	9725.0	6000.0								Carib/LAM	Su&Mo	10/16/94
0300	Honduras	HRPC	3250.0										Am	Su-Mo	02/29/92

SCHEDULES BY SUNDSTROM

Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0300	0400	Japan	R Japan	17845.0	17810.0	15210.0								GOSAS		03/20/94
0300	0400	Japan	R Moscow	9565.0	5960.0									GOSNAM		10/23/94
0300	0400	Russia	R Moscow Int'l	7345.0	7105.0	5940.0								World Service		10/09/94
0300	0400	Taiwan	V of Free China	9680.0	5950.0									NAm		10/09/93
0300	0400	Taiwan	V of Free China	15345.0										Jap/Kor		10/09/93
0300	0400	Taiwan	V of Free China	11825.0										AusNZ		09/27/94
0300	0400	Taiwan	V of Free China	11745.0										elndom/Phil		10/09/93
0300	0400	United Kingdom	BBC World Service	9410.0	6195.0	3955.0								Eu		10/15/94
0300	0400	USA	VOA	9885.0	9575.0	7405.0	7340.0	7280.0	7105.0	6035.0	1530.0	909.0		Africa		09/30/94
0300	0400	USA	WSHB	5850.0										wNAM		09/23/94
0300	0400	USA	WSHB	11695.0										eaI		09/23/94
0300	0425	Guatemala	TGNC	3300.0												12/23/87
0300	0500	Honduras	HRVC	4820.1												11/07/93
0300	0500	South Africa	Channel Africa	9585.0	5995.0									Am		09/18/94
0300	0500	USA	WYFR	9505.0	6085.0									NAm	Network Tu-Sa	03/24/93
0300	0700	Lebanon	Wings of Hope	9960.0										ME	Sa	06/28/94
0300	0700	Lebanon	Wings of Hope	9960.0										ME	Su	06/28/94
0300	0800	USA	WEWN	7425.0										Am		10/27/94
0300	1100	Lebanon	Wings of Hope	9960.0										ME	Mo-Fri/Univ Network -07	06/28/94
0315	0330	Greece	V of Greece	15550.0	9835.0	9420.0								Aus/NAm	Sa,Th	09/29/94
0320	0350	Vatican State	Vatican Radio	7360.0	5865.0									eaI		09/20/94
0330	0357	Czech	R Prague	7345.0	5930.0									NAm		10/01/94
0330	0357	Czech	R Prague	9440.0										ME/eAI		10/01/94
0330	0400	Austria	ORF	13730.0	9870.0									LAm		09/14/94
0330	0400	Hungary	R Budapest	9835.0	7220.0	5965.0								NAm		10/07/94
0330	0400	Sweden	R Sweden	9850.0	6200.0									NAm		09/20/94
0330	0400	United Arab	R Dubai	21485.0	15400.0	13675.0	11945.0							NAm		07/27/93
0330	0427	Netherlands	R Netherlands	6165.0	6015.0									wNAM		09/18/94
0340	0350	Greece	V of Greece	15650.0	9935.0	9420.0								Aus/NAm		09/29/94
0340	0355	Venezuela	R Nacional de Venezuela	9540.0										SAm	news/Eng Tu-Su	06/06/91
0345	0400	Tajikistan	R Tajikistan	7245.0	1143.0	648.0								As		03/31/94
0400	0425	Romania	R Romania Int'l	11940.0	11830.0	9570.0	9510.0	6155.0						NAm		05/22/93
0400	0429	Canada	Namibian B/C Corp	9670.0	9565.0	6150.0								ME		09/20/94
0400	0430	Namibia	Namibian B/C Corp	3290.0	3270.0											12/27/92
0400	0430	Switzerland	Swiss R Int'l	9905.0	9885.0	9860.0	6135.0							NAm		10/20/94
0400	0430	USA	VOA	9885.0	9575.0	7405.0	7280.0	7105.0	6035.0	1530.0	909.0			Africa		09/30/94
0400	0430	USA	VOA	15205.0	11965.0	7170.0	6873.0	6140.0	6040.0	5995.0				ME/NAm/Eu		09/30/94
0400	0450	Germany	R Deutsche Welle	9765.0	9565.0	7265.0	7225.0	6065.0	6045.0	6015.0				e&sSA/ME		10/22/94
0400	0450	North Korea	R Pyongyang	17765.0	15230.0	15180.0								sAs		07/15/90
0400	0450	Turkey	V of Turkey	9445.0										NAm		10/22/94
0400	0455	China	China R Int'l	11840.0	11680.0									wNAM		03/18/94

SCHEDULES BY SUNDSTROM

Xmstr Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0400	Cuba	R Havana	9820.0	6180.0	6010.0								cNAM/eNAM	#1 -0430	10/22/94
0400	Russia	R Moscow Int'l	7345.0	7105.0	5940.0	5905.0							World Service		10/01/94
0400	Slovakia	AWR	9465.0	6050.0									Alp/Al		09/18/94
0400	Ukraine	R Ukraine Int'l	11870.0	11790.0	9810.0	7180.0	6055.0	4780.0					NAM		09/28/94
0400	United Kingdom	BBC World Service	12095.0	9410.0	6195.0	6195.0	6180.0	3955.0					Eu		10/15/94
0400	USA	WSHB	7535.0										eEu/Russia		09/23/94
0400	USA	WSHB	11695.0										c&SAI		09/23/94
0400	USA	WYFR	9770.0										Eu/Al		10/01/94
0400	USA	WMLK	9465.0										NAM/CAM	Mo-Sa	08/30/89
0400	USA	WRNO	7395.0										CAM/Carib		10/16/94
0400	USA	KVOH	9785.0										eAS	Univ Network	05/29/93
0400	USA	KWHR	9930.0										eAS		09/05/94
0400	Italy	RAI	9575.0	7275.0									Mediterranean		07/23/93
0430	Ecuador	HCJB	21455.0	12005.0									NAM		09/05/94
0430	Swaziland	Trans World Radio	32000.0										SAI		10/16/94
0430	United Kingdom	BBC World Service	5975.0										CAM/NAM		10/15/94
0430	USA	VOA	9575.0	7405.0	7280.0	6035.0	909.0						Africa		09/30/94
0430	USA	VOA	15205.0	11965.0	7170.0	6873.0	6140.0	6040.0	5995.0				ME/NAM/Eu		09/15/94
0430	Australia	Aust Defence Forces R	13525.0										Malaysia		10/16/94
0430	Swaziland	Trans World Radio	7140.0										CAI		10/16/94
0430	Swaziland	Trans World Radio	6070.0										Cape	Su-Fr -0805	10/16/94
0430	Swaziland	Trans World Radio	5055.0										SAI	Tu	10/16/94
0440	Sri Lanka	SLBC	15425.0										wNAM		03/26/92
0455	South Africa	Radio Orange	7270.0	9720.0									rwCape/Namibia		09/18/94
0457	Seychelles	FEBA	17725.0										sAS	Fr	09/03/94
0500	Israel	Kol Israel	9435.0	7435.0									NAM/wEu		08/21/94
0500	Israel	Kol Israel	17545.0										Aus/AS		08/21/94
0500	Norway	R Norway Int'l	5910.0										NAM	Su only	10/14/94
0500	USA	VOA	15205.0	11825.0	7170.0	6873.0	6140.0	6040.0	5995.0	792.0			ME/NAM/Eu/sAS		10/06/94
0500	Vatican State	Vatican Radio	11625.0	9725.0	7360.0								e&SAI		09/20/94
0500	Germany	R Deutsche Welle	6185.0	6120.0	6045.0	5960.0							NAM		09/03/94
0500	Australia	R Australia	17880.0	17715.0	15425.0								As/Pac/PapNG		08/18/94
0500	Bulgaria	R Bulgaria	9700.0	7335.0									NAM		09/17/94
0500	Japan	R Japan	17810.0	15410.0	11740.0								GOS:AS		09/03/93
0500	Japan	R Japan	11885.0	9565.0	6025.0								GOS:NAM		10/23/94
0500	Japan	R Japan	7230.0	5975.0									GOS:Eu		03/20/94
0500	Namibia	R Namibia	3270.0										World Service	Sulper MN 2-14-91	03/14/91
0500	Russia	R Moscow Int'l	7345.0	7270.0	7105.0	5940.0	5930.0	5905.0					World Service		10/09/94
0500	South Africa	Channel Africa	11900.0	7185.0									WA/SAI		09/18/94
0500	Spain	R Exterior de Espana	9540.0										NAM		10/08/93
0500	United Kingdom	BBC World Service	9540.0	5975.0									CAM/NAM		10/15/94

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Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0500	0600	United Kingdom	BBC World Service	12095.0	9410.0	9410.0	9410.0	6195.0	6195.0	6195.0	6180.0	3955.0	3955.0	EU		10/15/94
0500	0600	USA	VOA	15600.0	12080.0	9700.0	9665.0	7405.0	6035.0	909.0				Africa		09/30/94
0500	0600	USA	WSHB	7535.0										CEU		09/23/94
0500	0600	USA	WYFR	9850.0	9830.0									Eu/Al		10/01/94
0500	0600	USA	R Havana	9820.0										wNAM		05/12/94
0500	0700	Ecuador	HCJB	21455.0	9745.0									NAM		10/21/94
0500	0700	Nigeria	V of Nigeria	7255.0										WAl		07/23/91
0500	0700	USA	WYFR	5985.0										NAM		10/08/93
0500	0815	United Kingdom	BBC World Service	9640.0										Stn		10/15/94
0500	2015	Italy	Italian Radio Relay Serv	7125.0										Eu/nAl/ME		03/24/94
0505	0735	Swaziland	Trans World Radio	9650.0										Cape	Su-Fr -0805	
0520	0550	Mongolia	R Ulan Bator	12015.0										As	Su	06/19/94
0530	0555	Romania	R Romania Int'l	17790.0	17745.0	17720.0	15380.0	15250.0						A		11/24/93
0530	0600	Austria	ORF	13730.0	6155.0									Eu		09/14/94
0530	0600	Austria	ORF	6015.0										Eu		03/25/94
0530	0600	Finland	R Finland	17870.0	15410.0									NAM		09/14/94
0530	0600	Georgia	R Georgia	11755.0	9635.0									ME		09/14/94
0530	0600	United Arab	R Dubai	11910.0										ME/Al		10/20/94
0530	0600	USA	VOA	21700.0	17830.0	15435.0								Eu		04/16/94
0535	0735	Swaziland	Trans World Radio	15205.0	11825.0	7170.0	6873.0	6140.0	6040.0	5995.0	3980.0			seAS/AUS		05/06/91
0543	1206	New Zealand	R New Zealand Int'l	9700.0										ME/nAl/Eu/SAs		10/06/94
0555	0825	Malaysia	V of Malaysia	15295.0	9750.0	6175.0								sl	Su-Fr -0805	
0600	0615	Switzerland	Swiss R Int'l	6165.0	3985.0									Pacific	Sa	09/10/94
0600	0620	Vatican State	Vatican Radio	6245.0	3950.0	1530.0	527.0							Aus/NZ/Indonesia		10/20/94
0600	0629	Canada	R Canada Int'l	11905.0	9750.0	9740.0	6150.0	6050.0						Eu		09/20/94
0600	0630	Australia	R Australia	17715.0	15565.0	15510.0	15425.0	9660.0	9680.0					Al/ME/EU		09/20/94
0600	0630	Australia	R Australia	17795.0	15415.0	15240.0	13605.0							As/Pac/PapNG		08/18/94
0600	0630	USA	VOA	15600.0	15080.0	12080.0	11950.0	9665.0	9530.0	7405.0	6035.0	1530.0	909.0	Africa	For Peacekeeping Forces	08/18/94
0600	0630	USA	VOA	5995.0	3890.0	1260.0	792.0							ME/nAl/Eu		10/06/94
0600	0630	Yemen	Rep of Yemen R	9780.0										ME		10/06/94
0600	0650	Germany	R Deutsche Welle	21705.0	17820.0	15185.0	13790.0	11765.0	9565.0	6100.0				WAl		07/14/94
0600	0650	North Korea	R Pyongyang	15230.0	15180.0									seAS		09/03/94
0600	0700	Japan	R Japan	21610.0	11860.0									GUS-AS		07/15/90
0600	0700	Russia	R Moscow Int'l	7345.0	7270.0	7175.0	5930.0	5905.0						World Service		03/21/94
0600	0700	Slovakia	AVR	13715.0										c&WAl		10/09/94
0600	0700	South Africa	Channel Africa	9695.0										c&WAl		09/18/94
0600	0700	South Korea	R Korea	15155.0	11945.0									WAl		09/03/94
0600	0700	United Kingdom	BBC World Service	15070.0	12095.0	11760.0	9410.0	6195.0	6180.0	3955.0				Eu	#3.5-7 Su 0630-	10/03/93
0600	0700	USA	VOA	15205.0	11955.0	11825.0	11805.0	7325.0	7170.0	6873.0	6140.0	6060.0	6040.0	ME/nAl/Eu/SAs		10/15/94
0600	0735	Swaziland	Trans World Radio	9500.0										s&Al	Su-Fr -0805	10/16/94

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Xmas Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0600	0750	South Africa	Radio Orange	5965.0										nwCape/Namibia		03/22/94
0600	0800	Malta	V of the Mediterranean	9765.0	1557.0									ME		02/16/94
0600	0800	USA	WSHB	7535.0										wEU		09/23/94
0600	0800	USA	WYFR	9850.0	9680.0	7355.0								Eu/Al		10/01/94
0600	0800	Kiribati	R Kiribati	9825.0										Pacific	0.5 kw	09/04/93
0600	0830	Liberia	ELWA	4760.0										Regional	Sa-12/Su-10	09/25/93
0600	1000	New Zealand	ZLXA / Print Disabled R	3935.0										Pacific	Mo-Fr / Su -09	03/24/94
0600	1500	Namibia	R Namibia	7165.0										Pacific	-16 SaSu IMN 2-14-91	03/14/91
0601	1206	New Zealand	R New Zealand Int'l	9700.0										Pacific	Su	09/10/94
0630	0700	Australia	R Australia	17880.0	17715.0	15565.0	15510.0	15425.0	9660.0	9580.0				As/Pac/PapNG		08/18/94
0630	0700	Australia	R Australia	17795.0	15415.0	13605.0	9860.0	9860.0	9580.0					As/Pac/PapNG		08/18/94
0630	0700	Austria	DRF	6015.0										NAm		03/25/94
0630	0700	USA	VOA	15600.0	12080.0	11950.0	9665.0	9530.0	7405.0	6035.0	1530.0	909.0		Sa-Su		08/25/94
0630	0700	USA	VOA	5995.0	3960.0	3860.0	1260.0	1197.0	792.0					ME/NA/Eu		10/06/94
0630	0700	Vatican State	Vatican Radio	9725.0	7360.0	5865.0								c&S&wAl		09/20/94
0632	0642	Romania	R Romania Int'l	11840.0	11775.0	9690.0	9665.0	7105.0						UK	news	11/21/93
0640	0820	Monaco	Trans World Radio	7385.0										UK	Sa-0835/Su-0845	03/21/94
0645	0715	Romania	R Romania Int'l	17805.0	17720.0	15335.0	15250.0							Pac		11/24/93
0700	0710	Vatican State	Vatican Radio	15210.0	11740.0	9645.0	7250.0	6245.0	3950.0	1530.0	527.0			ME/Eu/wCIS		09/20/94
0700	0727	Czech	R Prague	9505.0	7345.0	5930.0								Eu		09/23/94
0700	0730	Australia	R Australia	17880.0	17715.0	15565.0	15425.0	9660.0	9580.0					As/Pac/PapNG		08/18/94
0700	0730	Australia	R Australia	17795.0	15415.0	15240.0	13605.0	9860.0	9580.0					As/Pac/PapNG		08/18/94
0700	0730	Switzerland	Int'l Red Cross	11910.0										Eu		04/16/94
0700	0730	Switzerland	Swiss R Int'l	6165.0	3985.0									Eu	last Su/mo	03/28/94
0700	0730	United Kingdom	BBC World Service	15070.0	12095.0	11780.0	9410.0	7325.0	6195.0	6180.0	3955.0			Eu		10/20/94
0700	0750	North Korea	R Pyongyang	17765.0	15340.0									Eu		10/15/94
0700	0800	Japan	R Japan	21610.0	17810.0	15410.0	11740.0							seAS		07/15/90
0700	0800	Japan	R Japan	15270.0										GOS:AS		09/03/93
0700	0800	Japan	R Japan	7230.0	5975.0									GOS:OC		03/20/94
0700	0800	Japan	R Japan	15335.0										GOS:Eu		03/20/94
0700	0800	Russia	R Moscow Int'l	7345.0	7270.0	7175.0								GOS:ME		09/18/94
0700	0800	Taiwan	V of Free China	5950.0										World Service		10/09/94
0700	0830	Ecuador	HCJB	21455.0	17490.0	9420.0	6205.0							NAm		08/05/89
0700	0930	Ecuador	HCJB	17490.0										Eu		10/21/94
0700	1130	Ecuador	HCJB	21455.0	17490.0	9745.0	6135.0							spac	#3 -1030	10/21/94
0716	1206	New Zealand	R New Zealand Int'l	9700.0										Pacific	Mo-Fr	09/10/94
0730	0745	Greece	V of Greece	15650.0	11645.6	9425.0								Eu	Su/Th	09/29/94
0730	0745	Pakistan	R Pakistan	17725.0	15190.0	7290.0								SAs/peAS	Slow-speed	06/19/94
0730	0755	Belgium	R Vlaanderen Int'l	9925.0	5985.0	1512.0								Aus/SEU	English	09/03/94
0730	0757	Czech	R Prague	21705.0	17485.0									As/Pac		10/01/94

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Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0730	0800	Australia	R Australia	17880.0	17515.0	15565.0	9660.0	9580.0						AS/Pac/PapNG		08/18/94
0730	0800	Australia	R Australia	9860.0	9710.0	9580.0	6080.0	6020.0						AS/Pac/PapNG		08/18/94
0730	0800	United Kingdom	BBC World Service	15070.0	12095.0	9410.0	7325.0	3955.0						Eu		10/15/94
0730	0827	Netherlands	R Netherlands	11895.0	9720.0									Pacific		09/18/94
0745	0800	Finland	R Finland	11755.0	9560.0	6120.0	963.0	558.0						Eu		10/20/94
0745	0915	Guam	KTWR	15200.0										seAs/Indon		09/03/94
0755	1425	South Africa	Radio Oranje	7270.0										nwCape/Namibia		03/22/94
0800	0830	Norway	R Norway Int'l	15175.0										FE/NZ	Su only	09/10/94
0800	0830	South Korea	R Korea	15575.0										ME/Al		10/03/93
0800	0850	North Korea	R Pyongyang	15230.0	15180.0									seAs		07/28/90
0800	0900	Australia	R Australia	17880.0	17715.0	15565.0	9860.0	9710.0	9580.0	6080.0	6020.0	5995.0		AS/Pac/PapNG		08/18/94
0800	0900	N Mariana Is	KHBI	13615.0										NZ		09/12/93
0800	0900	Pakistan	R Pakistan	17900.0	15625.0									WEU		09/10/94
0800	0900	Slovakia	AWR	17630.0										WAl		09/18/94
0800	0900	South Korea	R Korea	13670.0	7550.0									Eu		10/03/93
0800	0900	USA	KNLS	7365.0										Eu		09/04/94
0800	0900	USA	WEWN	9350.0	7425.0									Am		10/27/94
0800	0915	United Kingdom	BBC World Service	17705.0	17640.0	15070.0	12095.0	9410.0	7325.0	6195.0	3955.0			Eu		10/15/94
0800	1000	Australia	Aust Defense Forces R	18191.5	15606.0									eAl		09/15/94
0800	1000	USA	WHRI	7355.0	7315.0									Caribb/enAm		03/25/93
0800	1000	USA	WSHB	7535.0										Eu		09/23/94
0830	0845	Armenia	R Yerevan	17770.0	15170.0									Eu	Su	09/23/94
0830	0900	Austria	ORF	13730.0	6155.0									Eu		09/25/93
0830	0900	Austria	ORF	17870.0	15450.0									Aus		09/14/94
0830	0900	Slovakia	R Slovakia Int'l	21705.0	17485.0	11990.0								Aus		09/25/94
0830	0927	Netherlands	R Netherlands	13700.0	9720.0									Pacific		09/18/94
0845	1000	Guam	KTWR	11805.0										sPac		09/03/94
0900	0930	Finland	R Finland	17800.0	15330.0									seAs/Aus		10/20/94
0900	0930	Palau	KHBN	17630.0										As	Su -0923	03/08/94
0900	0930	Switzerland	Swiss R Int'l	17515.0	13685.0	11640.0	9885.0							Pac		10/20/94
0900	0950	Germany	R Deutsche Welle	21680.0	17800.0	15410.0	9565.0							eC&SAI		05/22/93
0900	0950	Germany	R Deutsche Welle	21680.0	21650.0	17820.0	17780.0	11715.0	9875.0	6160.0				As/Pac		10/22/94
0900	0955	China	China R Int'l	17710.0	15440.0	11755.0								sPac		08/26/91
0900	1000	Australia	R Australia	21725.0	15170.0	13605.0	9860.0	9580.0	9510.0					AS/Pac/PapNG		08/18/94
0900	1000	Japan	R Japan	15190.0	11815.0	9750.0	9610.0							GOS-As		03/21/94
0900	1000	Japan	R Japan	15270.0										Reg Svc-Oc		03/20/94
0900	1000	N Mariana Is	KHBI	17555.0										Japan/Kor/CIS		09/12/93
0900	1000	N Mariana Is	KHBI	13615.0										Aus		09/12/93
0900	1000	Slovakia	AWR	9450.0										nEu		09/18/94
0900	1000	USA	WSHB	7385.0										Brazl/SAm		09/23/94
0900	1100	United Kingdom	BBC World Service	15190.0										SAm		10/15/94

SCHEDULES BY SUNDRAM

Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
0900	1100	USA	WEWN	9350.0	7465.0	7425.0								Am/EU/As		10/27/94
0910	0940	Mongolia	R Ulan Bator	12015.0	11850.0									Aus		06/19/94
0915	1200	United Kingdom	BBC World Service	17705.0	17640.0	15070.0	12095.0	9410.0						Eu	#1 Su 1030-1100	10/15/94
0920	0935	Greece	V of Greece	17525.0	15650.0									Aus	Su&Th	09/29/94
0930	1000	South Korea	R Korea	13670.0										Eu		05/10/94
0930	1027	Netherlands	R Netherlands	21505.0	9810.0	9720.0	7260.0							Pacific & FE	#1 not on Sa	09/18/94
0930	1100	Philippines	FEB	11690.0										China/seAs		10/08/93
0940	0950	Greece	V of Greece	17525.0	15650.0									Aus		09/29/94
1000	1025	Belgium	R Vlaanderen Int'l	17595.0	15510.0	6035.0								AI/SEU		09/03/94
1000	1025	Vietnam	V of Vietnam	12020.0	9839.8									Eu		10/22/94
1000	1030	Ecuador	HCJB	17490.0										"Worldwide"		09/05/94
1000	1055	China	China R Int'l	17710.0	15440.0	11755.0								spac		08/26/91
1000	1100	Australia	Aust Defense Forces R	13525.0										Malaysia		09/15/94
1000	1100	Australia	R Australia	21725.0	15170.0	9860.0	9580.0							As/Pac/PapNG		08/18/94
1000	1100	Bulgaria	R Bulgaria	12040.0										Aus		09/17/94
1000	1100	India	AIR	21735.0	17895.0	17387.0	15050.0							GOS/neAs/AusNZ		04/23/93
1000	1100	N Mariana Is	KHBI	13625.0										Indon		09/12/93
1000	1100	N Mariana Is	KHBI	17555.0										China		04/20/94
1000	1100	Nigeria	V of Nigeria	7255.0										wAI		07/27/93
1000	1100	Nigeria	Channel Africa	17810.0										c&eAl		09/03/94
1000	1100	South Africa	VDA	15120.0	11915.0	9590.0	7405.0	930.0						Caribbean		08/23/94
1000	1100	USA	VDA	15425.0	11720.0	5985.0								Pac		04/27/94
1000	1100	USA	WSHB	6095.0										SAm		10/03/94
1000	1100	USA	WYFR	5950.0										Network Mo-Sa		10/01/94
1000	1100	USA	WHRI	9650.0	7315.0									separate pgm		06/16/93
1000	1300	USA	WSHB	6095.0	6095.0									Carib/eNA		10/03/94
1000	1300	USA	ELRL	6090.0										Regional		04/20/94
1000	1830	Liberia	R Dubai	21605.0	15395.0	15345.0	13675.0							Eu/nAl		09/23/94
1030	1055	United Arab	ORF	13730.0	6155.0									Eu		09/14/94
1030	1100	Austria	ORF	17870.0	15450.0	5990.0								Aus		09/14/94
1030	1100	Austria	R Ethiopia National Svc	9560.0	7110.0									AI		10/21/94
1030	1100	Ethiopia	R Netherlands	9610.0	7260.0									FE		09/18/94
1030	1130	Sri Lanka	SLBC	11685.0										Aus		01/10/93
1100	0900	USA	WWCR	15835.0										Eu/ME/nAl		10/14/94
1100	1115	Vatican State	Vatican Radio	21730.0	15210.0	11740.0	6245.0	1530.0	527.0					neAl/ME/Eu		09/20/94
1100	1120	Pakistan	R Pakistan	17900.0	15625.0									wEU		09/10/94
1100	1130	Israel	Kol Israel	17575.0	15640.0									wEU		08/21/94
1100	1130	Israel	Kol Israel	15650.0										Aus/As		08/21/94
1100	1130	Israel	Swiss R Int'l	13635.0	11640.0	9885.0								FE		10/20/94
1100	1130	Switzerland	Swiss R Int'l	9535.0	6165.0									Eu		04/22/94
1100	1130	Switzerland	BBC World Service	17830.0										SAm		10/15/94

SCHEDULES BY SUNDSTROM

Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1100	1150	Germany	R Deutsche Welle	21600.0	17800.0	17765.0	15410.0	15370.0						wAl		09/03/94
1100	1150	North Korea	R Pyongyang	11335.0	9977.0	6576.0								Am		12/02/90
1100	1200	Australia	R Australia	15565.0	15565.0	15170.0	13605.0	9880.0	9580.0	9510.0				As/Pac/PapNG		08/18/94
1100	1200	Japan	R Japan	15295.0	9610.0									GOS:AS		03/21/94
1100	1200	Japan	R Japan	6120.0										GOS:NAM		09/03/93
1100	1200	N Mariana Is	KHBI	9425.0										AUS		04/20/94
1100	1200	Russia	R Moscow Int'l	17860.0	15560.0	12015.0	11675.0	7205.0						World Service		09/27/94
1100	1200	South Africa	Chanel Africa	9730.0										SA		03/22/94
1100	1200	United Kingdom	BBC World Service	9515.0	6195.0	5965.0								NAM		10/15/94
1100	1200	USA	VOA	15120.0	11915.0	9590.0	7405.0							Caribbean		04/27/94
1100	1200	USA	VOA	15425.0	15425.0	15160.0	11720.0	9760.0	9760.0	9645.0	6110.0	5985.0		east/As/Pac		08/25/94
1100	1200	USA	WSHB	7395.0										CAm/SAM		09/23/94
1100	1200	USA	WYFR	7355.0	5950.0									NAM		10/01/94
1100	1300	Costa Rica	AWR Pan America	13750.0	11870.0	9725.0	5030.0							Am	#2 Network Mo-Sa	10/10/94
1100	1300	USA	WFCW	7465.0	7425.0									Am	#2 all 59707/subject to	10/01/94
1100	1400	Singapore	R Singapore Int'l	9530.0										Am/Eu/AS		10/27/94
1100	1430	Ecuador	HCLB	21455.0	15115.0									External Svc		05/26/94
1100	1600	Ecuador	HCLB	21455.0	12005.0									NAM/SAM		09/05/94
1130	1157	Czech	R Prague	11990.0	9505.0	7345.0								Carib		10/21/94
1130	1227	Netherlands	R Netherlands	7130.0	6045.0									Eu		09/23/94
1130	1230	Iran	V of Islamic Rep of Iran	11930.0	11790.0	9575.0	765.0							Eu		09/18/94
1140	1155	Venezuela	R Nacional de Venezuela	1910.0	1224.0	702.0								AS		09/01/94
1145	1205	Rwanda	R Rwanda	9540.0										SAM	news/Eng M-Sa	06/06/91
1200	1225	Uzbekistan	R Tachent	6055.0										A	news	09/23/94
1200	1230	Norway	R Norway Int'l	13785.0	9715.0	6025.0								AS		10/16/94
1200	1230	Switzerland	R Swiss R Int'l	15165.0	11850.0									Aus/AS		09/10/94
1200	1230	USA	VOA	9535.0	6165.0									Eu	Su only	10/20/94
1200	1245	Mongolia	R Ulan Bator	15425.0	15425.0	15160.0	11715.0	9760.0	9760.0	9645.0	6110.0	1147.5		east/As/Pac		08/25/94
1200	1255	China	China R Int'l	12015.0	11850.0									FAre	Mo, We, Th, Sa	06/19/94
1200	1255	China	China R Int'l	15210.0										eNAM		08/27/94
1200	1255	China	China R Int'l	11660.0	9715.0									seAS		06/18/93
1200	1300	Australia	R Australia	15440.0	11795.0									sPac		06/18/93
1200	1300	France	R France Int'l	15565.0	11900.0	9610.0	6080.0	6060.0	5995.0					As/Pac/PapNG		08/18/94
1200	1300	France	R France Int'l	17575.0	15530.0	13625.0								NAM/CAm/SAM		10/20/94
1200	1300	Jordan	R Jordan	15325.0	15195.0	15155.0	9805.0							eEu		06/19/94
1200	1300	N Mariana Is	KHBI	9560.0										wEu/NAM		10/01/93
1200	1300	N Mariana Is	KHBI	13625.0										seAS		09/12/93
1200	1300	Russia	R Moscow Int'l	9425.0										AUS		09/12/93
1200	1300	South Korea	R Korea	17860.0	15495.0	15190.0	12015.0	11980.0	11675.0	9800.0	9540.0	9470.0	7205.0	World Service		10/14/94
1200	1300	Taiwan	V of Free China	7180.0										GOS		12/24/93
1200	1300	Taiwan	V of Free China	9610.0	7130.0									As/Oc		09/27/94

SCHEDULES BY SUNDSTROM

Xmas Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1200	1300	USA	WSHB	9455.0										Cam/SAm		09/23/94
1200	1300	USA	WYFR	11970.0	11830.0	7355.0	5950.0							NAm	#1&2&4 Network Mo-Sa	10/01/94
1200	1320	Brazil	R Nacional de Brasil	15445.0										NAm/CAm		06/06/92
1200	1400	Palau	KHBN	9965.0										As	Sa -1430	03/08/94
1200	1400	United Kingdom	BBC World Service	15220.0	6195.0									Cam/NAm		10/15/94
1200	1400	USA	WRMI	9955.0										Cam/Carib		08/20/94
1200	1400	USA	WWCR	5065.0										Eu/ME/NAI	Su tx #3	10/14/94
1200	1400	USA	WWHA v WCSN	11745.0										Am		08/13/94
1200	1600	Ecuador	HCJB	17490.0										"Worldwide"	#1&5 -1615	09/05/94
1200	1600	United Kingdom	BBC World Service	17705.0	17640.0	17640.0	15070.0	15070.0	12095.0	12095.0	9410.0	9410.0	9410.0	Eu		10/15/94
1200	1715	United Kingdom	BBC World Service	15260.0	9515.0									NAm		10/15/94
1215	1330	Egypt	R Cairo	17595.0										SAs		08/16/90
1230	1240	India	AIR	4860.0										Feeder Svc	news	01/28/93
1230	1240	Somalia	R Mogadishu	6670.0										Dom		10/21/94
1230	1255	Vietnam	V of Vietnam	1020.0	9839.8									As		10/22/94
1230	1259	Canada	R Canada Int'l	11730.0	6150.0									As		09/20/94
1230	1300	Austria	ORF	13730.0	6155.0									Eu		09/14/94
1230	1300	Austria	ORF	13730.0										NAm		09/14/94
1230	1300	Austria	ORF	15450.0										As		09/14/94
1230	1300	Bangladesh	R Bangladesh	13615.0	9648.0									Eu	freqs variable	09/25/94
1230	1300	Finland	R Finland	15400.0	11735.0									NAm	Mo-Sa	10/20/94
1230	1300	Sweden	R Sweden	15240.0	15120.0	13775.0								As/Pac		09/27/94
1230	1300	USA	VQA	15425.0	15425.0	15160.0	11805.0	11715.0	9760.0	9760.0	9645.0	6110.0		eAS/SeAS/Pac		09/18/94
1230	1327	Netherlands	R Netherlands	7130.0	6045.0									Eu		09/17/94
1230	1330	Bulgaria	R Bulgaria	17740.0	9770.0									As		09/17/94
1240	1250	Greece	V of Greece	15650.0	11645.0	9425.0								NAm		10/10/94
1300	1325	Moldova	R Moldova Int'l	15315.0										NAm		10/23/94
1300	1329	South Korea	R Korea	13670.0	9570.0									SeAS		09/05/93
1300	1330	Norway	R Norway Int'l	9590.0										Eu	Su only	03/24/94
1300	1330	Switzerland	Int'l Red Cross	6165.0										Eu	last Su/mo	03/28/94
1300	1330	USA	VOA	13635.0	11640.0	7480.0	7250.0							FE/SeAS		10/20/94
1300	1350	North Korea	R Pyongyang	15425.0	15425.0	15160.0	11805.0	11715.0	9760.0	9760.0	9645.0	6110.0		eAS/SeAS/Pac		08/25/94
1300	1350	North Korea	R Pyongyang	15230.0	13760.0	9640.0								SeAS		03/30/93
1300	1350	North Korea	R Pyongyang	11730.0	9345.0									Eu		03/30/93
1300	1355	China	China R Int'l	7405.0										SeAS		03/30/93
1300	1355	China	China R Int'l	11660.0	9715.0									wNAm		06/03/94
1300	1355	China	China R Int'l	15440.0	11795.0									SeAS		06/18/93
1300	1355	Poland	Polish Radio Warsaw	11815.0	9525.0									SeAS		11/14/93
1300	1359	Canada	R Canada Int'l	17820.0	11855.0	7270.0	7145.0	6135.0						Eu		09/27/94
1300	1400	Australia	R Australia	11800.0	9610.0	7240.0	5995.0							Carib/NAm	Mo-Fr	10/16/94
														As/Pac/PapNG		08/18/94

SCHEDULES BY SUBSTROM

Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1300	1400	N Mariana Is	KHBI	13625.0										India		09/23/94
1300	1400	N Mariana Is	KHBI	13625.0										India		10/01/94
1300	1400	Romania	R Romania Int'l	17720.0	15385.0	11940.0								Eu		05/04/94
1300	1400	Russia	R Moscow Int'l	15560.0	15480.0	15470.0	15460.0	15320.0	12065.0	9875.0	9810.0	9540.0	7295.0	World Service	#2&3 Sa-Su	10/09/94
1300	1400	USA	KNLS	7355.0										eAS		09/04/94
1300	1400	USA	WSHB	6895.0										cNAM		10/03/94
1300	1400	USA	WSHB	9455.0										Mexico		09/23/94
1300	1400	USA	WYFR	13695.0	11970.0	11830.0	9705.0	5950.0						NAM	#1&3&5 Network Mo-Sa	10/01/94
1300	1600	Philippines	FEBC	11995.0										seAS/India		11/28/91
1300	1600	USA	KJES	11715.0										wCanada	Irregular	10/19/92
1300	1600	USA	WEWN	7425.0										Am		10/27/94
1300	1630	Lebanon	Wings of Hope	9960.0										ME	Mo-Sa (Su -15) seperate pgm 16-17	06/28/94
1300	1700	USA	WHRI	15105.0	9465.0									Carib/eNAM		06/16/93
1302	1502	USA	WYFR	11550.0										India		11/03/92
1307	1649	New Zealand	R New Zealand Int'l	9655.0										Pac	occasional use	09/10/94
1330	1355	Belgium	R Vlaanderen Int'l	13675.0										NAM	Su	09/03/94
1330	1355	United Arab	R Dubai	21605.0	15395.0	15320.0	13675.0							NAM		07/28/93
1330	1355	Uzbekistan	R Tashkent	13785.0	9715.0	6025.0								Eu/nAI		10/16/94
1330	1355	Vietnam	V of Vietnam	12020.0	9839.8									eAS		10/22/94
1330	1357	Canada	R Canada Int'l	9535.0	6150.0									eAS		09/20/94
1330	1400	Austria	ORF	15450.0										AS		03/25/94
1330	1400	Finland	R Finland	17740.0	15400.0									NAM	Mo-Sa	09/30/94
1330	1400	Sweden	R Sweden	15240.0	11650.0									NAM		09/20/94
1330	1400	Turkey	V of Turkey	9675.0										swAS		10/22/94
1330	1400	USA	VOA	15425.0	15425.0	15160.0	11805.0	9760.0	9760.0	9645.0	6110.0			eAS/seAS/Pac		08/25/94
1330	1427	Netherlands	R Netherlands	15150.0	13700.0	9895.0								SAS		09/18/94
1330	1500	India	AR	15120.0	13732.0									GOS/seAS		06/18/94
1345	1405	Vatican State	Vatican Radio	15585.0	12050.0									GOS/seAS		09/20/94
1400	0100	USA	WWCR	13845.0										AS/AusNZ		10/14/94
1400	1425	Belgium	R Vlaanderen Int'l	13675.0										Eu/ME/nAI		09/03/94
1400	1425	Israel	Kol Israel	15640.0										NAM	Mo-Sa	08/21/94
1400	1425	Israel	Kol Israel	15650.0										wEu/NAM	Su-Th	09/03/94
1400	1430	Australia	R Australia	11800.0	9710.0	9610.0	7240.0	5995.0						Aus/AS	Su-Th	08/21/94
1400	1430	USA	VOA	15425.0	15425.0	15160.0	9760.0	9760.0	7215.0	6110.0	1147.5			eAS/Pac/PanNG		08/18/94
1400	1430	USA	VOA	15395.0	9645.0	7125.0								eAS/seAS/Pac	7215: 1415-	08/25/94
1400	1430	USA	VOA	7405.0										SAS		10/06/94
1400	1455	China	China R Int'l	15165.0	11815.0									wNAM		11/14/93
1400	1500	France	R France Int'l	17560.0										SAS		06/18/93
1400	1500	France	R France Int'l	12030.0	7110.0									Eu/ME		10/20/94
1400	1500	France	R France Int'l	11915.0	11840.0	9750.0								AS		10/20/94
1400	1500	Japan	R Japan	11705.0	9535.0									GOS/AS		03/20/94
1400	1500	Japan	R Japan	11705.0	9535.0									GOS/NAM		10/28/93

SCHEDULES BY SUNDSTROM

Xmsn Start	Show	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1400	1500	Morocco	R-TV Morocco	17595.0										India/China	Su	07/14/94
1400	1500	N Mariana Is	KHBI	9355.0										World Service	#2 Sa-Su	12/04/93
1400	1500	Russia	R Moscow Int'l	15560.0	15480.0	15465.0	15320.0	12065.0	12015.0	9875.0	9810.0			India		10/01/94
1400	1500	Slovakia	AWR	9455.0										GCS		09/18/94
1400	1500	South Korea	R Korea	7275.0										ME/SAS		09/27/94
1400	1500	USA	VOA	15395.0	15205.0	1548.0								NAM		10/07/94
1400	1500	USA	WYFR	17760.0	11830.0	9705.0								eA		10/01/94
1400	1600	Australia	Aust Defence Forces R	10621.5	8743.0									Eu/ME	#1&2 Network Mo-Sa	09/15/94
1400	1600	Malta	V of the Mediterranean	11925.0										eAS		02/16/94
1400	1600	USA	KWHR	9930.0										CAM/NAM/SAM		09/05/94
1400	1615	United Kingdom	BBC World Service	17840.0										Carib/NAM	Su	10/15/94
1400	1659	Canada	R Canada Int'l	17820.0	11955.0									Eu		10/16/94
1430	1435	Moldova	R Moldova Int'l	15315.0										As		10/23/94
1430	1455	Romania	R Romania Int'l	17720.0	15335.0	11810.0								Eu/ME/Al		03/21/94
1430	1455	Canada	R Canada Int'l	17820.0	15325.0	11935.0	11915.0	9555.0						As/Pac/PapNG		09/20/94
1430	1500	Australia	R Australia	11800.0	11695.0	11660.0	9770.0	9710.0	7240.0	6080.0	6060.0	5995.0		NAM		08/18/94
1430	1500	Finland	R Finland	17740.0	15400.0									NAM	Sa -1455	09/30/94
1430	1500	Sweden	R Sweden	15240.0	11650.0									NAM		09/20/94
1430	1500	USA	VOA	15425.0	15425.0	15160.0	9760.0	9760.0	7215.0	6110.0	1147.5			eAS/eAS/Pac		04/27/94
1430	1500	USA	VOA	15395.0	9645.0	7125.0	6110.0	6110.0						ME/SAS		10/06/94
1430	1527	Netherlands	R Netherlands	15150.0	13700.0	9895.0								SAS		09/18/94
1430	2100	Ecuador	HCBJ	21455.0	15115.0	6080.0								SAM/nSAM	#2 -1600	10/21/94
1430	2200	South Africa	Radio Orange	3230.0										nwCape/Namibia		03/22/94
1435	1445	Greece	V of Greece	17520.0	15650.0									NAM		10/07/94
1440	1455	Venezuela	R Nacional de Venezuela	9540.0	7260.0									SAM	news/Eng M-Sa	06/06/91
1445	1515	Mongolia	R Ulan Bator	13780.0	7260.0									AS		06/19/94
1445	1615	Gum	KTWR	11580.0										S&eAS		09/03/94
1450	1515	India	AIR	9950.0	7412.0									Home Svc	Wt-Sa -1645/Su -1700	01/12/91
1450	1700	USA	WVHA v WCSN	15665.0										Am/EU	news/features	08/13/94
1458	1555	Seychelles	FEBA	11870.0										SAS	Sa-1550, Su-1558	09/03/94
1458	1600	Seychelles	FEBA	9810.0										SAS	Mo-Sa (Intl Pgm)	09/03/94
1500	0100	USA	KTBN	15590.0										eNAM	from 10/30/94 00-16	09/05/94
1500	1530	Palau	KHBN	9830.0										As		03/08/94
1500	1530	Switzerland	Swiss R Int'l	13635.0	12075.0	9885.0								SAS		10/02/94
1500	1530	USA	VOA	15395.0	15255.0	9760.0	9700.0	9645.0	7215.0	7125.0	6110.0			SAS		08/25/94
1500	1550	Germany	R Deutsche Welle	17800.0	15145.0	11965.0	9735.0	7195.0						S&eAM/ME		10/22/94
1500	1550	North Korea	R Pyongyang	9977.0	9640.0									ME/Al		09/19/92
1500	1550	North Korea	R Pyongyang	13785.0	9325.0									Eu		09/19/92
1500	1555	China	China R Int'l	15165.0	11815.0									SAS		06/18/93
1500	1555	Seychelles	FEBA	11710.0										SAS		04/01/94
1500	1600	Costa Rica	AWR Pan America	13750.0	11870.0									Am	subject to change	10/10/94

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Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1500	1600	Japan	R Japan	11955.0	9750.0									GOSAs		09/22/94
1500	1600	Japan	R Japan	9535.0										GOSNAM		10/28/93
1500	1600	Japan	R Japan	15355.0										GOSsAI		09/03/93
1500	1600	N Mariana Is	RHBI	9355.0										India/China		12/04/93
1500	1600	Russia	R Moscow Int'l	15465.0	12065.0									World Service		09/25/94
1500	1600	South Africa	Chanel Africa	7225.0										s&eAI		09/18/94
1500	1600	United Kingdom	BBC World Service	6195.0	6195.0									EU		10/15/94
1500	1600	USA	VOA	19379.0	15395.0	15205.0	9700.0	1548.0	1260.0					ME/nA/Eu/sAs		10/07/94
1500	1630	Australia	R Australia	11800.0	11695.0	11660.0	9770.0	9710.0	7260.0	6080.0	6060.0	5995.0		As/Pac/PapNG		08/18/94
1500	1700	Guam	KSDA	9370.0										India		09/30/94
1500	1700	Nigeria	V of Nigeria	7255.0										WAI		07/27/93
1500	1700	USA	WHHA v WCSN	15665.0										Am/Eu	Mo-Fr	08/13/94
1500	1700	USA	WYFR	17760.0	15215.0	11830.0								NAm	#1&3 Network Mo-Sa	10/01/94
1500	1730	Jordan	R Jordan	9560.0										wEu/NAM		10/01/93
1500	2300	USA	WRNO	15420.0										NAM/CAM/Eu		10/16/94
1500	2330	USA	KAJ	13725.0	6155.0									Carib		08/11/94
1530	1600	Austria	ORF	13730.0										Eu		09/14/94
1530	1600	Austria	ORF	9880.0										ME		09/14/94
1530	1600	Austria	ORF	11780.0										AS	news/features	03/25/94
1530	1600	India	AIR	10330.0	9950.0	7412.0								Home Svc		07/11/92
1530	1600	Portugal	R Portugal	21515.0										ME/FE	Mo-Fr	04/01/94
1530	1600	USA	VOA	15395.0	15255.0	9760.0	9700.0	9645.0	7215.0	7125.0	6110.0	1575.0		sAs/seAs		09/29/94
1530	1627	Netherlands	R Netherlands	15150.0	9895.0									sAs		09/18/94
1530	1630	Iran	V of Islamic Rep of Iran	11790.0	9575.0									AS		09/01/94
1540	1600	Vatican State	Vatican Radio	12050.0	9500.0									AS/Aus/NZ		09/20/94
1555	2200	South Africa	Radio Orange	12050.0	9500.0									nwCape/Namibia		09/18/94
1600	1620	Vatican State	Vatican Radio	12050.0	9500.0									eAI/AS/Aus/NZ		09/20/94
1600	1625	Vietnam	V of Vietnam	12020.0	9839.8									A	SailMass	10/22/94
1600	1630	Georgia	R Georgia	11910.0										EU		07/23/94
1600	1630	Georgia	R Georgia	17660.0	15675.0	15555.0	13590.0	11570.0	9470.0					AI/ME	Slow-speed English 1615	06/19/94
1600	1630	Pakistan	R Pakistan	17895.0	17785.0	15445.0	15410.0	15225.0	13710.0	12040.0	11920.0	1530.0	909.0	Africa	Sa-Su	10/25/94
1600	1630	USA	VOA	19379.0	15255.0	15205.0	9700.0	1548.0	1197.0					ME/nA/Eu		09/29/94
1600	1630	USA	VOA	7190.0	6005.0									ME		05/07/94
1600	1630	Yemen	Rep of Yemen R	21605.0	15395.0	15320.0	13675.0							Eu/nAI	#1 annod as 11795	09/06/93
1600	1640	United Arab	R Dubai	13790.0	11795.0	9585.0	7395.0	7225.0	1548.0					sAs		10/22/94
1600	1650	Germany	R Deutsche Welle	15130.0	15110.0	11575.0								e&Afr		06/18/93
1600	1655	China	China R Int'l	17745.0	11715.0	1422.0								Eu/ME/Al		09/25/94
1600	1700	Algeria	R Algiers Int'l	13750.0										Am		10/10/94
1600	1700	Costa Rica	AWR Pan America	9560.0	7165.0									A		10/21/94
1600	1700	Ethiopia	R Ethiopia	6175.0										EU	subject to change	10/20/94
1600	1700	France	R France Int'l	15530.0	12015.0	11700.0	11615.0	9485.0						A		10/20/94

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Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1600	1700	N Mariana Is	KHBI	9355.0										SA		04/20/94
1600	1700	Russia	R Moscow Int'l	17760.0	15500.0	15180.0	12065.0	12055.0	11960.0	9885.0				World Service		10/02/94
1600	1700	South Africa	Channel Africa	15240.0	7225.0									c&wA/S&eA		09/18/94
1600	1700	South Korea	R Korea	5975.0										GOS		10/03/93
1600	1700	Swaziland	Trans World Radio	9500.0										eA		09/03/94
1600	1700	United Kingdom	BBC World Service	15070.0	15070.0	12095.0	12095.0	9410.0	9410.0	6195.0	6195.0			Eu		10/15/94
1600	1700	USA	VOA	15395.0	9760.0	9700.0	9645.0	7215.0	7125.0	6110.0	1520.0			ME/SAs		10/06/94
1600	1700	USA	WSHB	21640.0										eA		09/23/94
1600	1700	USA	WYFR	21525.0	15586.0	12745.0								Eu/AI		10/01/94
1600	1800	Lebanon	King of Hope	6280.0										ME	Su	05/29/93
1600	1800	USA	KWHR	6120.0										Oc		09/05/94
1600	1900	USA	WEWN	15695.0	13615.0									Eu/Am		10/27/94
1600	1900	USA	WINB	15715.0										Eu/nAI		09/05/94
1630	1657	Canada	R Canada Int'l	9550.0	7150.0									India		09/20/94
1630	1700	Australia	R Australia	11880.0	11695.0	11660.0	9860.0	9710.0	7260.0	6080.0	6060.0			As/Pac/PapNG		08/18/94
1630	1700	Australia	ORF	11780.0										-AS		09/14/94
1630	1700	USA	VOA	17895.0	17785.0	15445.0	15410.0	15245.0	15225.0	13710.0	12040.0	11920.0		Africa		10/25/94
1630	1700	USA	VOA	19379.0	17735.0	15285.0	15245.0	15205.0	11855.0	9760.0	9700.0			ME/nAI/Eu		10/06/94
1630	1700	USA	VOA	6040.0	1548.0	1197.0								ME/nAI/Eu		10/25/94
1630	1700	USA	R Cairo	4760.0										c&SAI		08/16/90
1630	2200	Rwanda	ELWA	15255.0										Regional		09/25/93
1640	1650	Rwanda	R Rwanda	6055.0										A	Su	09/23/94
1645	1700	Tajikistan	R Tajikistan	7245.0	1143.0	648.0								AS		07/23/94
1650	1849	New Zealand	R New Zealand Int'l	9655.0										Pacific		09/10/94
1700	1713	Lebanon	V of Lebanon	6549.3										ME	Mo-Fr	09/04/93
1700	1715	Albania	R Tirana	9760.0	7155.0									Eu	News	10/20/94
1700	1715	Swaziland	Trans World Radio	7120.0										CAI		10/16/94
1700	1727	Czech	R Prague	9420.0	7345.0	5930.0								Eu/AI		10/01/94
1700	1730	Switzerland	Swiss R Int'l	13635.0	9885.0	6205.0								ME/AI		10/02/94
1700	1730	USA	VOA	17895.0	17785.0	15445.0	15410.0	13710.0	12040.0	11920.0	1530.0	909.0		Africa		10/25/94
1700	1750	North Korea	R Pyongyang	9977.0	9640.0									ME/AI		09/19/92
1700	1750	North Korea	R Pyongyang	13785.0	9325.0									Eu		09/19/92
1700	1755	China	China R Int'l	15370.0	11575.0	9570.0								e&SAI		08/25/94
1700	1800	Japan	R Japan	9580.0	6150.0									GOS/As		03/20/94
1700	1800	Japan	R Japan	9535.0										GOS/NAm		10/28/93
1700	1800	Japan	R Japan	11930.0										GOS/ME/nAI		03/20/94
1700	1800	N Mariana Is	KHBI	13625.0										eA		09/23/94
1700	1800	Pakistan	R Pakistan	15675.0	13590.0	11570.0	9470.0							wEu		08/13/94
1700	1800	Russia	R Moscow Int'l	9890.0	9550.0	7205.0								World Service		09/25/94
1700	1800	Slovakia	AWR	9450.0	7270.0									eA/AI		09/18/94
1700	1800	South Africa	Channel Africa	7225.0										S&eA		09/18/94

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Xmas Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1700	1800	USA	VDA	19379.0	15255.0	15205.0	15205.0	9760.0	9700.0	6040.0	1197.0	792.0		ME/NA/Eu		09/30/94
1700	1800	USA	VDA	15395.0	9700.0	9645.0	7215.0	7125.0	6110.0	1520.0				ME/SAs	separate pgm	10/06/94
1700	1800	USA	WHRI	15105.0	13760.0									Carib/e/NAm/Eu		06/16/93
1700	1800	USA	WSHB	21640.0										CA		09/23/94
1700	1800	Australia	R Australia	11880.0	11695.0	11660.0	9860.0	9580.0	7260.0	6080.0	6080.0	6060.0		As/Pac/PapNG		08/18/94
1700	1900	United Kingdom	BBC World Service	15070.0	15070.0	12095.0	12095.0	9410.0	9410.0	6195.0	6195.0	6180.0	3955.0	Eu		10/15/94
1700	1900	USA	WYFR	17760.0	15566.0									Eu/Al		10/01/94
1700	2000	Ecuador	HCBJ	15490.0										Eu		10/18/94
1700	2000	USA	WMWK	9465.0										Cam/Carib	Su-Fr	08/30/89
1700	2100	USA	KYOH	17775.0										Eu/ME/NAI	Sa	05/29/93
1700	2100	USA	WWCR	17525.0										Malawi	bx #3	10/14/94
1715	1730	Swaziland	Trans World Radio	7120.0										ME/e/Al/wEu	European 1st pgm	09/03/94
1715	1730	Vatican State	Vatican Radio	9645.0	7250.0	6245.0	1530.0	527.0						Eu		09/20/94
1715	1745	Sweden	R Sweden	6065.0	1197.0									Africa		09/27/94
1730	1800	Romania	R Romania Int'l	17805.0	17745.0	15365.0	15340.0		11920.0					A		05/22/93
1730	1800	USA	VDA	17895.0	15445.0	15410.0	13710.0	12040.0	11920.0					Africa		09/27/94
1730	1800	Vatican State	Vatican Radio	11625.0	9725.0	7305.0								e&SA		09/20/94
1730	1827	Netherlands	R Netherlands	11655.0	9605.0	6020.0								s&e&wAl		09/18/94
1745	1759	Canada	R Canada Int'l	17820.0	15325.0	11935.0	5995.0							Eu/ME/Al	Mo-Fr	10/16/94
1745	1800	Armenia	R Yerevan	6065.0	5930.0	4990.0	4810.0	1395.0	864.0					Eu		09/23/94
1745	1815	Bangladesh	R Bangladesh	9683.0	7190.0	11620.0	9950.0	9650.0	7412.0					Eu/ME	V of Islam freps variable	08/13/94
1745	1945	India	AIR	15075.0	11935.0	11620.0	9950.0	9650.0	7412.0					GOS/e&w&nAl/wEu/ME		05/29/93
1800	1825	Lebanon	King of Hope	6280.0										ME	Univ Network 22-02	10/22/94
1800	1827	Vietnam	V of Vietnam	12020.0	9839.8									Eu		10/01/94
1800	1827	Czech	R Prague	9420.0	7345.0	5930.0								Eu/Al		09/10/94
1800	1830	Norway	R Norway Int'l	11930.0	7120.0									eEu/ME/Al	Su only	07/14/94
1800	1830	Yemen	Rep of Yemen R	9780.0										ME		09/02/93
1800	1845	Swaziland	Trans World Radio	9500.0										eAl		07/17/90
1800	1850	Brazil	R Nacional de Brasil	15265.0										Eu		09/16/94
1800	1855	Poland	Polish Radio Warsaw	7285.0	7270.0	5995.0								Eu		09/12/93
1800	1900	N Mariana Is	KHBI	9355.0										NZ	also Tagalog	09/25/94
1800	1900	Philippines	R Philippines	17840.0	15190.0									As		09/25/94
1800	1900	Russia	R Moscow Int'l	12050.0	9890.0	9550.0	7205.0							World Service		07/30/94
1800	1900	Sudan	R Omdurman	9200.0										Regional	irregular	04/01/94
1800	1900	USA	KLES	15385.0										Aus		09/30/94
1800	1900	USA	VDA	17800.0	15580.0	15410.0	13710.0	13680.0	12040.0	11920.0	7415.0	909.0		Africa		09/30/94
1800	1900	USA	VDA	19379.0	15205.0	15205.0	9770.0	9760.0	9700.0	6040.0				ME/NA/Eu		09/23/94
1800	1900	USA	WSHB	21640.0										SA		04/20/94
1800	2000	USA	KHBI	13770.0										Eu/ME		09/05/94
1800	2000	USA	KWHR	13625.0										Oc		09/23/94
1800	2000	USA	WSHB	15665.0										eEu		09/23/94

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Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1800	2015	Swaziland	Trans World Radio	3200.0										SA		09/02/93
1800	2100	Kuwait	R Kuwait	11990.0										EU		03/05/94
1800	2100	USA	WHRI	13760.0	9485.0									eNAM/Eu/Carib		12/25/93
1800	2200	USA	KVOH	17775.0										CAM/Carib	Su	05/29/93
1815	1900	Bangladesh	R Bangladesh	9683.0	7190.0									EU/ME	news/Eng M-Sa	08/13/94
1830	1840	Somalia	R Mogadishu	6870.0										Dom	news	10/21/94
1830	1845	Rwanda	R Rwanda	6055.0										A		09/23/94
1830	1855	Moldova	R Moldova Int'l	7235.0										EU		10/05/94
1830	1900	Sweden	R Sweden	13690.0	9655.0	6065.0	1179.0							ME/AN/Eu		09/27/94
1830	1927	Netherlands	R Netherlands	17605.0	15315.0	11655.0	9850.0	9695.0	9605.0	6020.0	6015.0			s&e&wAI		09/18/94
1840	1850	Greece	V of Greece	17525.0	15650.0	15630.0								A		09/29/94
1840	1855	Venezuela	R Nacional de Venezuela	9540.0										SA		06/06/91
1850	1958	New Zealand	R New Zealand Int'l	11735.0										SA		09/10/94
1850	2005	New Zealand	R New Zealand Int'l	11735.0										Fr		10/23/94
1850	2150	New Zealand	R New Zealand Int'l	11735.0										Pacific		10/23/94
1900	1910	Greece	V of Greece	9380.0	7450.0									Pacific	Su-Fr	09/29/94
1900	1915	Sierra Leone	SLBS	3316.0										EU	Mo-Sa	09/24/92
1900	1920	Thailand	R Thailand	11835.0										nEU	Sa UN Radio	09/30/94
1900	1925	Belgium	R Vlaanderen Int'l	9925.0	5910.0	1512.0								AI/EU		09/03/94
1900	1925	Vietnam	V of Vietnam	12020.0	9839.8									EU		10/22/94
1900	1930	Albania	R Tirana	9730.0	7230.0	1395.0								EU		10/20/94
1900	1930	Norway	R Norway Int'l	9590.0	7215.0	5960.0	1314.0							EU/ANZ	Su only	09/10/94
1900	1930	USA	WRMI	9955.0										CAM/Carib		08/20/94
1900	1950	Germany	R Deutsche Welle	15425.0	15145.0	13790.0	11865.0	11810.0	11785.0	9765.0	9670.0	7110.0		wAI/ME		10/22/94
1900	1955	China	R China R Int'l	11515.0	9440.0	6955.0								w&nAI		06/18/93
1900	2000	Argentina	RAE	15345.0										EU/Alr	Mo-Fr	06/08/94
1900	2000	Bulgaria	R Bulgaria	9700.0	7305.0									wEU		09/27/94
1900	2000	Japan	R Japan	9560.0	6150.0									GOS:As		03/21/94
1900	2000	Japan	R Japan	9535.0										GOS:NAM		10/28/93
1900	2000	Japan	R Japan	11850.0	7140.0									GOS:Oc		09/18/94
1900	2000	Romania	R Romania Int'l	11940.0	11810.0	9750.0	9690.0							EU		05/04/94
1900	2000	Russia	R Moscow Int'l	12050.0	9890.0	9550.0	7205.0							World Service		10/09/94
1900	2000	Slovakia	AWR	9455.0										c&wAI		09/18/94
1900	2000	Spain	R Exterior de Espana	11775.0										A		11/07/93
1900	2000	Turkmenistan	V of Turkmen	5015.0	4825.0									ME	Tu&Th&Sa	03/31/94
1900	2000	United Kingdom	BBC World Service	15070.0	12095.0	9410.0	6185.0	6180.0	3955.0					EU		10/15/94
1900	2000	USA	VOA	17800.0	15580.0	15445.0	15410.0	13710.0	12040.0	11920.0	7415.0	909.0		Africa		08/25/94
1900	2000	USA	VOA	15180.0	11870.0	9525.0								Pac		04/27/94
1900	2000	USA	VOA	19379.0	15205.0	15205.0	9770.0	9760.0	9700.0	6040.0	3980.0			ME/nAI/Eu		09/30/94
1900	2000	USA	WEWN	18930.0	15695.0									Am/EU		10/27/94
1900	2000	USA	WSHB	21640.0										wAI		09/23/94

SCHEDULES BY SUNDSTROM

Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
1900	2000	USA	WYFR	17760.0	11695.0	11660.0	9860.0	9580.0	7260.0	6150.0	6080.0	6060.0		Eu/Al		10/01/94
1900	2030	Australia	R Australia	11880.0										As/Pac/PapNG		08/18/94
1900	2045	Swaziland	Trans World Radio	3240.0										SA		09/02/93
1900	2100	Nigeria	V of Nigeria	7255.0										W/Al		07/24/93
1900	2300	Guatemala	AWR Pan America	5980.0										LAm		10/10/94
1900	2400	USA	WINB	11915.5										NAm/Eu/nAl		09/05/94
1930	2000	Austria	ORF	6155.0	5945.0									Eu		09/14/94
1930	2000	Austria	ORF	9880.0										ME		09/14/94
1930	2000	Austria	ORF	13730.0										A		10/15/94
1930	2000	Finland	R Finland	11755.0	9730.0	6120.0	963.0	558.0						Eu	SA -1950	03/07/92
1930	2000	N Mariana Is	KFBS	9465.0												10/15/94
1930	2000	Slovakia	R Slovakia Int'l	7345.0	5915.0											08/20/94
1930	2000	USA	WRMI	9955.0										Al/Eu		09/25/94
1930	2000	Yugoslavia	R Yugoslavia	9720.0	6100.0									S&E&WAl		09/18/94
1930	2027	Netherlands	R Netherlands	17605.0	15315.0	9860.0	9695.0	9605.0	6020.0					Eu		09/01/94
1930	2030	Iran	V of Islamic Rep of Iran	11965.0	9022.0	1404.0								Eu		01/12/94
1935	1955	Italy	RAI	11800.0	7275.0									Great Britain		10/09/92
1940	2010	Mongolia	R Ulan Bator	11850.0	11790.0									Eu		09/22/94
1945	2000	Belarus	R Minsk	11960.0	7210.0	6020.0	6010.0	1170.0						Eu		09/10/94
1958	0600	New Zealand	R New Zealand Int'l	15115.0										Pacific		10/15/94
2000	0200	United Kingdom	BBC World Service	11750.0	9915.0									SAm		06/09/94
2000	1400	Papua New Guinea	Natl Broadcasting Comm	9675.0										PapNG		10/07/94
2000	2030	Hungary	R Budapest	7220.0	6110.0	3975.0								Eu		08/21/94
2000	2030	Israel	Kol Israel	11603.0	9435.0	7465.0								W&E/NAM		08/21/94
2000	2030	Israel	Kol Israel	7405.0										wNAM/eEu		08/21/94
2000	2030	Israel	Kol Israel	17575.0										A		08/21/94
2000	2030	Latvia	R Latvia	5935.0											SA-Su	10/22/93
2000	2030	Lithuania	R Vilnius	9710.0										Eu		10/27/94
2000	2030	Portugal	R Portugal	11975.0	9815.0	9780.0								Eu		10/14/94
2000	2030	Portugal	R Portugal	15515.0	11975.0									Eu		10/14/94
2000	2030	Switzerland	Swiss R Int'l	13635.0	11640.0	9885.0	9770.0	6135.0						A		10/02/94
2000	2030	Switzerland	Swiss R Int'l	6165.0	3985.0									Eu		10/20/94
2000	2030	United Kingdom	BBC World Service	15070.0	12095.0	9410.0	7325.0	6195.0	6180.0	3955.0				Eu		10/15/94
2000	2030	USA	VOA	21485.0	17800.0	15580.0	15445.0	15410.0	15160.0	13710.0	11820.0	7415.0	909.0	Africa		10/25/94
2000	2030	Vatican State	Vatican Radio	11825.0	9645.0	7355.0								c&S&WAl		09/20/94
2000	2050	Germany	R Deutsche Welle	7285.0	5960.0									Eu		09/03/94
2000	2050	North Korea	R Pyongyang	9977.0	9640.0									ME/Al		01/01/90
2000	2050	North Korea	R Pyongyang	9345.0	6576.0									Eu		03/29/94
2000	2055	China	China R Int'l	11500.0	9920.0									Eu		03/30/94
2000	2055	China	China R Int'l	15110.0	11715.0									e&SAI		10/17/93
2000	2055	China	China R Int'l	9440.0										w&nAl		10/17/93

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Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
2000	2100	Indonesia	V of Indonesia	11752.0	9575.0									Eu		11/29/92
2000	2100	Russia	R Moscow Int'l	11945.0	9890.0	9800.0	9550.0	7400.0	7205.0					ME	R Aum Su 2030 on some	10/09/94
2000	2100	Slovakia	AWR	6065.0											irregular	09/18/94
2000	2100	USA	KJES	15385.0										Carib		04/01/94
2000	2100	USA	VOA	19379.0	15205.0	15205.0	9770.0	9760.0	9700.0	6040.0	3980.0			ME/NA/Eu		09/30/94
2000	2100	USA	WEWN	15695.0										Eu		10/27/94
2000	2100	USA	WSHB	9355.0										Eu		09/23/94
2000	2100	USA	WYFR	21525.0	13695.0	7355.0								Eu/AI		10/01/94
2000	2130	Sri Lanka	SLBC	15120.0	9720.0									Eu		08/24/91
2000	2200	USA	KWHR	11980.0										eAS		10/06/94
2000	2200	USA	VOA	15205.0										ME/SA		09/05/94
2000	2200	USA	WSHB	13770.0										wEU		09/23/94
2005	0716	New Zealand	R New Zealand Int'l	15115.0										Pacific	Fr/Sa	02/03/91
2005	0715	Syria	R Damascus	15095.0	12085.0									Eu/NA/ME	Su	09/02/93
2015	2045	Swaziland	Trans World Radio	3200.0										SAI	Fr-Su	08/13/94
2015	2215	Italy	Italian Radio Relay Serv	7125.0										Near East		04/24/91
2025	2045	Italy	RAI	11800.0	9575.0	7235.0								Pacific	Sa-Th Fr-05	03/24/94
2030	0600	New Zealand	ZLX / Print Disabled R	7290.0	5960.0									UK		10/15/94
2030	2045	Thailand	R Thailand	11835.0	9655.0									Eu		10/22/94
2030	2055	Vietnam	V of Vietnam	12020.0	9839.8									Eu		04/24/94
2030	2059	South Korea	R Korea	5965.0										seAS		04/24/94
2030	2059	South Korea	R Korea	9640.0										ME/AI		10/03/93
2030	2059	South Korea	R Korea	9870.0										GOS		08/18/94
2030	2059	South Korea	R Korea	5975.0										As/Pac/PapNG		10/15/94
2030	2100	Australia	R Australia	11880.0	11855.0	9860.0	9580.0	7260.0	6150.0	6080.0	6060.0			Eu		08/23/94
2030	2100	United Kingdom	BBC World Service	12095.0	9410.0	7325.0	6195.0	6180.0	3955.0					Africa	#4-6 Sa	08/23/94
2030	2100	USA	VOA	21485.0	17800.0	15580.0	15445.0	15410.0	13710.0	7415.0	1530.0	909.0		Eu		10/23/94
2030	2125	Poland	Polish Radio Warsaw	17285.0	6135.0	5995.0	6025.0							wAI		08/16/90
2030	2200	Egypt	R Cairo	15375.0										GOS/AusNZ/WEU		08/26/91
2045	2230	India	AIR	15265.0	11715.0	11620.0	9950.0	9910.0	7412.0					Eu	European 1st pgm	09/20/94
2050	2110	Vatican State	Vatican Radio	5682.0	3950.0	1530.0	527.0							Pacific	Mo-Th	10/12/94
2051	0715	New Zealand	R New Zealand Int'l	15115.0										ME	Univ Network	06/28/94
2100	0100	Lebanon	Wings of Hope	9960.0											News in English	12/23/87
2100	2110	Ghana	Ghana BC Corp	3366.0											news in English	12/04/88
2100	2115	Cameroon	R Cameroon	5010.0												09/22/94
2100	2115	Japan	R Japan	11915.0	9660.0									Reg Svcs/eAS		10/01/94
2100	2127	Czech	R Prague	9420.0	7345.0	5930.0								Eu/AI		08/18/94
2100	2130	Australia	R Australia	11855.0	11695.0	9660.0	9645.0	9580.0	6080.0	6060.0				As/Pac/PapNG		10/25/94
2100	2130	USA	VOA	21485.0	17600.0	15580.0	15445.0	15410.0	13710.0	9535.0	7415.0	909.0		Africa	#7: -2200; #10: -2115	09/03/94
2100	2150	Germany	R Deutsche Welle	11785.0	9765.0	9670.0	6185.0							As/Pac		10/22/94
2100	2150	Germany	R Deutsche Welle	15270.0	11810.0	9690.0	9615.0							wAI		10/22/94

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Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
2100	2150	Turkey	V of Turkey	9400.0										Eu		10/22/94
2100	2155	China	China R Int'l	11500.0	9920.0									Eu		03/29/94
2100	2159	Canada	R Canada Int'l	17820.0	15325.0	15140.0	13690.0	11945.0	7260.0	5995.0				AI/ME/Eu		09/20/94
2100	2200	Cuba	R Havana	17760.0										Eu/AI/ME		04/23/94
2100	2200	Japan	R Japan	11800.0	9580.0	9560.0	6035.0							GOS:AS		09/22/94
2100	2200	Japan	R Japan	11850.0										GOS:DC		09/18/94
2100	2200	N Mariana Is	R Japan	11925.0										GOS:EU/ME		09/03/93
2100	2200	Romania	KHBI	13840.0										AUS		10/18/93
2100	2200	Romania	R Romania Int'l	11940.0	9750.0	9690.0	7225.0							Eu		05/04/94
2100	2200	Russia	R Moscow Int'l	9550.0	7400.0	7330.0	7205.0	7170.0	7150.0					World Service		10/09/94
2100	2200	Slovakia	AWR	6055.0										nEu		09/18/94
2100	2200	South Korea	R Korea	15575.0	6480.0									Eu		03/29/94
2100	2200	Spain	R Exterior de Espata	6125.0										Eu		11/15/92
2100	2200	United Kingdom	BBC World Service	12095.0	7325.0	6195.0	6195.0	6195.0	6180.0	6180.0	3955.0	3955.0		Pac		10/15/94
2100	2200	USA	VOA	17735.0	15185.0	11870.0								ME/NA/Eu		04/27/94
2100	2200	USA	VOA	19379.0	15205.0	15205.0	9760.0	9535.0	6160.0	6070.0	6040.0	1260.0		Am/Eu		09/30/94
2100	2200	USA	WEWN	18930.0	15695.0									enAm		10/27/94
2100	2200	USA	WSHB	9355.0										Eu/AI		09/23/94
2100	2200	USA	WYFR	13695.0	11580.0	7355.0								AS		10/01/94
2100	2200	Palau	KHBN	9965.0										AS		03/08/94
2100	2300	Equatorial Guinea	R Africa	7190.3										H		10/07/94
2100	2300	United Kingdom	BBC World Service	5975.0										C-Am/NA/Am		10/15/94
2100	2300	USA	WHRI	9485.0	7315.0									Carib/enAm/Eu		10/07/94
2100	2300	USA	WWCR	12160.0										Eu/ME/NAI		10/14/94
2115	2130	Syria	R Damascus	15095.0	12085.0									NA/Am/Aus/NZ	tx #3	07/07/91
2115	2130	Sierra Leone	SLSB	3316.0												09/24/92
2115	2130	United Kingdom	BBC World Service	17715.0	15390.0	6110.0								Carib	Fr&Sa UN Radio	09/24/92
2130	2245	Egypt	R Cairo	9900.0										Eu	Mo-FriCarib Report	10/15/94
2130	2135	Latvia	R Latvia	5935.0	576.0									AS	Mo-Fr	08/16/90
2130	2145	United Kingdom	BBC World Service	13660.0	15365.0	11855.0	11695.0	9650.0	9645.0	9580.0				SAII	Mo-Fr	10/22/93
2130	2200	Australia	R Australia	17860.0	9520.0	999.0								AS/Pac/Pap/NG	Tu&FriCall Falklands	10/15/94
2130	2200	Moldova	R Dniester Int'l	9655.0	6065.0	1179.0								Eu	Mo, We, Sa w/repeat next day	08/18/94
2130	2200	Sweden	R Sweden	21485.0	17800.0	15580.0	15445.0	15410.0	13710.0	7415.0	1530.0	909.0		Eu/AI/ME		09/30/94
2130	2200	USA	VOA	6175.0										AS	Su-Fr	10/07/94
2130	2230	Iran	V of Islamic Rep of Iran	9540.0										AS		09/01/94
2140	2155	Venezuela	R Nacional de Venezuela	9590.0	6175.0									SA/Am	news/Eng M-Sa	06/06/91
2200	0015	United Kingdom	BBC World Service	3230.0										NA/Am		10/15/94
2200	0455	South Africa	Radio Oranje	4990.0										nwCape/Namibia		09/18/94
2200	2205	Nigeria	R Nigeria	12095.0	7325.0	6195.0	6195.0	6195.0	6180.0	6180.0	3955.0	3955.0		Eu	News in Eng	10/11/89
2200	2215	United Kingdom	BBC World Service	5910.0	1512.0									Eu		10/15/94
2200	2225	Belgium	R Vlaanderen Int'l											Eu		10/21/94

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Xmsr Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
2200	2225	Italy	RAI	11800.0	9710.0	5990.0								Japan		01/12/94
2200	2227	Czech	R Prague	9420.0	7345.0	5930.0								Eu/Al		10/01/94
2200	2229	Canada	R Canada Int'l	17820.0	15325.0	13690.0	11945.0	7260.0	5995.0					Eu/Al		09/20/94
2200	2229	Canada	R Canada Int'l	11705.0										SeAS		09/20/94
2200	2229	South Korea	R Korea	9640.0										SeAS		04/24/94
2200	2230	China	China R Int'l	3985.0										Eu		09/25/94
2200	2230	Hungary	R Budapest	7220.0	6110.0	3955.0								Eu		09/16/94
2200	2230	Yugoslavia	R Yugoslavia	6185.0	6100.0									Eu		09/25/94
2200	2255	China	China R Int'l	7170.0										Eu		09/25/94
2200	2300	Australia	R Australia	17860.0	17795.0	15365.0	13755.0	11855.0	11695.0	9660.0	9645.0	9580.0		As/Pac/PapNG		08/18/94
2200	2300	Bulgaria	R Bulgaria	9700.0	7105.0									WEU		09/17/94
2200	2300	Cuba	R Havana	9550.0										Carib/SUSA		05/20/94
2200	2300	N Mariana Is	KHBI	13625.0										Japan/Kor/CIS		04/20/94
2200	2300	N Mariana Is	KHBI	15405.0										China		04/20/94
2200	2300	Russia	R Moscow Int'l	9620.0	9550.0	7400.0	7380.0	7150.0	6055.0	5995.0				World Service		10/09/94
2200	2300	Slovakia	AWR	7270.0										WAl		09/18/94
2200	2300	Taiwan	V of Free China	9850.0	5610.0									Eu		09/23/94
2200	2300	Ukraine	R Ukraine Int'l	9810.0	9620.0	7405.0	7320.0	7240.0	7205.0	7180.0	6020.0	5940.0	4820.0	Eu	31m not anncd	09/28/94
2200	2300	USA	VOA	17820.0	17735.0	15305.0	15290.0	15185.0	11760.0					eAS/SeAS/Pac		10/06/94
2200	2300	USA	VOA	9890.0	9770.0	7215.0	7105.0	6035.0						eAS/SeAS/Pac		10/07/94
2200	2300	USA	WEWN	7425.0										Am		10/27/94
2200	2300	USA	WSHB	7570.0										Am		09/23/94
2200	2300	USA	WSHB	17555.0										Brazil		09/23/94
2200	2300	USA	WYFR	13685.5	11580.0									Eu/Al		10/01/94
2200	2400	United Arab	V of UAE	11885.0	9770.0	9605.0								NAM		09/14/94
2200	2400	USA	KWHR	17510.0										eAS		09/05/94
2203	2208	Croatia	Croatian Radio	13640.0												10/07/94
2215	0015	Italy	Italian Radio Relay Serv	7125.0												08/13/94
2215	2300	United Kingdom	BBC World Service	12085.0	9410.0	7325.0	6195.0	6195.0	3955.0	3955.0				Eu/nAl/ME	News/English	10/15/94
2230	0100	Palau	KHBN	9830.0										As		03/08/94
2230	0200	USA	WWVA v WCSN	9855.0										Am		08/13/94
2230	2245	Armenia	R Yerevan	11920.0	11790.0									LAm		09/23/94
2230	2245	China	CPBS 2	5163.0	4905.0	4800.0								Regional		11/09/93
2230	2300	Israel	Kol Israel	11603.0	9435.0	7465.0								NAM/wEu		08/21/94
2230	2300	Israel	Kol Israel	7405.0										wNAM/eEu		08/21/94
2230	2300	Israel	Kol Israel	15640.0	9435.0									LAm		08/21/94
2230	2300	Lithuania	R Vilnius	9710.0										Eu		10/27/94
2230	2300	Sweden	R Sweden	6065.0	1179.0									Eu		03/16/94
2230	2400	USA	WWVA v WCSN	9855.0										Am		08/13/94
2240	2250	Greece	V of Greece	9425.0										Aus	We	09/29/94
2245	0045	India	AIIR	15145.0	15110.0	11745.0	11715.0	9910.0						GOS/AS	Su-Fr	11/10/92

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Xmsn Start	Show Start	Country	Station	Fq. 1	Fq. 2	Fq. 3	Fq. 4	Fq. 5	Fq. 6	Fq. 7	Fq. 8	Fq. 9	Fq. 10	Target	Notes	Update
2245	2300	Ghana	Ghana BC Corp	4915.0	3366.0										rx/English	09/09/90
2245	2300	USA	VOA	15155.0	11730.0	9670.0								American Republics	Mo-Fr 10AS	05/03/94
2245	2305	Vatican State	Vatican Radio	11830.0	9600.0	7305.0	6150.0							As/Aus/NZ		09/20/94
2300	0030	Egypt	R Cairo	9900.0										NAm		08/14/94
2300	0230	United Kingdom	BBC World Service	7325.0	5975.0									CAm/NAm	#1 -0330	10/15/94
2300	0300	South Africa	Radio 2000	4810.0										nwCape/Namibia	Spanish Tu-Fr	09/12/93
2300	0400	USA	WRNO	7355.0										NAm/CAm	tx #3	10/16/94
2300	0900	USA	WWCR	5065.0										Eu/ME/nAI	news/Eng	10/14/94
2300	2310	Sierra Leone	SLBS	3316.0										Carib/LAm/NAm	Mo-Fr	10/16/94
2300	2329	Canada	R Canada Int'l	11940.0	11845.0	9755.0	9535.0	5960.0						As/Pac/PapNG		08/18/94
2300	2330	Australia	R Australia	17860.0	17795.0	15365.0	13755.0	11855.0	11695.0	9660.0	9610.0	9580.0		Eu		10/15/94
2300	2330	United Kingdom	BBC World Service	7325.0	6195.0	6195.0								Am		02/24/91
2300	2350	North Korea	R Pyongyang	13650.0	11700.0									Eu/NAM/ME		10/22/94
2300	2350	Turkey	V of Turkey	11710.0	9445.0	7185.0								Am		10/16/94
2300	2359	Canada	R Canada Int'l	11940.0	11845.0	9755.0	9535.0	5960.0						Carib/LAm/NAm	Sa&Su	10/10/94
2300	2400	Costa Rica	AWR Pan America	9725.0	6150.0	5030.0								Am	subject to change	08/13/94
2300	2400	Guam	KSDA	11980.0										Am		08/13/94
2300	2400	Japan	R Japan	9580.0	9560.0									seAS		09/18/94
2300	2400	Japan	R Japan	11850.0										GOS:AS		09/18/94
2300	2400	Japan	R Japan	6155.0	6055.0									GOS:Oc		09/18/94
2300	2400	N Mariana Is	KHBI	13625.0										GOS:Eu		04/20/94
2300	2400	N Mariana Is	KHBI	15405.0										Indon		04/20/94
2300	2400	Russia	R Moscow Int'l	9620.0	7150.0									China		10/09/94
2300	2400	USA	VOA	17820.0	17735.0	15305.0	15290.0	15185.0	11760.0	9890.0	9770.0	6035.0		World Service		09/30/94
2300	2400	USA	WEWN	11820.0	7425.0									eAS/seAS/Pac		10/27/94
2300	2400	USA	WHRI	9485.0	7315.0									Am	separate pgm Tu-Fr	10/07/94
2300	2400	USA	WSHB	7510.0										eNAM/Eu/Carib		09/23/94
2300	2400	USA	WSHB	17555.0										Seu/wAl		09/23/94
2300	2400	USA	WSHB	17555.0										Seu		09/23/94
2330	0027	Netherlands	R Netherlands	6165.0	6020.0									eNAM		09/18/94
2330	0059	Canada	R Canada Int'l	9755.0	5960.0									USA	Mo-Fr	10/16/94
2330	2355	Vietnam	V of Vietnam	12020.0	9839.8									Eu		10/22/94
2330	2400	Australia	R Australia	11855.0	9850.0	9645.0	9610.0							As/Pac/PapNG		08/18/94
2330	2400	Australia	R Australia	17860.0	17795.0	15365.0	13755.0	11695.0	9660.0	9580.0				As/Pac/PapNG		08/18/94
2330	2400	Austria	ORF	13730.0	9870.0									LAm		09/14/94
2330	2400	Finland	R Finland	9680.0	6015.0	5990.0								As/Aus/SAm	Su -2353	10/20/94
2330	2400	Sri Lanka	SLBC	18425.0										eNAM	Mo	07/22/93
2330	2400	Sweden	R Sweden	11910.0	1179.0									As/Pac/Eu		09/27/94
2335	2345	Greece	V of Greece	11645.0	11595.0	9425.0								LAm	Su-Fr	09/29/94

1100-1200	Hungarian	15220 13695 11910	Su
1200-1300	Hungarian	9835 7220 5970	Su
1300-1400	German	9835 7220 5970	Su
1400-1500	Hungarian	9835 7220 5970	Su
1530-1600	Russian	7125 6010 3955	
1630-1700	Romanian	7220-(Su only) 5970 3955	
1700-1730	Croatian	7220 5970	
1700-1730	Ukrainian	6125 3975	
1730-1800	Slovak	7255 5970 3975	
1800-1900	German	9835 7220 5865	Su
1800-1830	Serbian	9835 5865 3995	M- Sa
1800-1830	Serbian	5970 3995	Su
1830-1900	German	9835 7220 5970	M- Sa
1900-2000	Hungarian	9835 7220 5970 3995	
2000-2030	English	7220 6110 3975	
2030-2100	German	9835 7220 5970 3975	M- Sa
2100-2200	Hungarian	9835 7220 5970 3995	
2200-2230	English	7220 6110 3955	
2300-0000	Hungarian	11910 9835 7220 5970	

(21-Oct-94/BBCM)

INDIA At the end of September, AIR commissioned four new 500-kW shortwave transmitters at its Bangalore site. These will enable the complex to broadcast 15 foreign, four Indian and five general overseas services, covering distant target areas. As described on Indian TV: One of the biggest transmitting centers in Asia, the state-of-the-art Doddaballapur complex consists of six extremely high-power 500-kW shortwave transmitters and 36 multiband aerial curtains spread over an area of 630 acres. Four of the transmitters were commissioned today by Mr H.M. Joshi, engineer in chief of AIR. (07-Oct-94/BBCM)

INDONESIA Logs from September per OZDX:

2792	1230	UNID Indon	
2803	1231	UNID Indon	
3078.8	1212	RSPDT2 Halmahera Tengah	
3121v	1204	UNID Indon	
3215	1216*	RRI Manado	note new s/off
3223	1533	RRI Mataram	prob. to 1600*
3345	1337	RRI Ternate	close new 1514*
3491v	1210	UNID Indon	
3527v	1105	RSPDT2 Maluku Tengah (t)	to 1401*
3632v	1220	UNID Indon	
3995	—	RRI Pontianak	now inactive, as is 3915
4606.5	1315*	RRI Serui	new closing time
5030.4	1250	UNID Indon	1300 Jakarta ry

7234.6 0850* UNID Indon
9545 1005 RRI Palangkaraya reactivated,
1100*

RRI Sorong, 4874.6, has an EE program from 1131-1152. (25-Sep/Johnson/Yamron/Valko/FT)

Dutch DXer Max van Arnhem just returned from a trip to Lombok and Bali, and made some observations that raise a question or two. At different times he heard a very strong station on 4695 kHz but he is in doubt whether or not this was *RKIP Surabaya*. The station was observed on different days at 1020, 1315, 2255 and 2300 hours UTC, but was not on air every day. On 17-Sep just before 2300 UTC they announced a switch to *RRI Jakarta* for a news relay. Does *RKIP* has RRI news relays?

On 7235 kHz he heard an unidentified RRI-station which he says was not *RRI Fakfak* (listed on 7230 kHz). Reception times were 0415 and 0600 hours UTC. Any suggestions would be welcome. (12-Oct-94/ Michiel Schaay-NETH./SW ECHO).

RRI Medan (Sumatera) is operating on 9745 kHz at +0430 to 0800 s/off. Do not confuse with RRI Sorong on 9743.8v during the same timeframe. (Victor Goonetilleke on RNMN/WORLD RADIO REPORT/ DX ONTARIO)

R. Pantai Utara on 7080 is sked 1400-1420 & 1440-1500 on Tu/Thu/Sa, 2200-2250 on Sun. Address: Jl. Jelembur Utama Raya 61, Jakarta 11460. (Aug&Sep Dhirgantara bulletins of Indonesian DX Club/OZDX #96)

IRAN VOIRI in English showing nice signals between 0040 and 0115 UTC on 11790 kHz. (19-Oct-94/Brian Johnson/SW ECHO)

IRAQ Domestic services of *Republic of Iraq Radio* currently use the following schedule, identifying as "*Republic of Iraq Radio*" (Arabic: "*idha'at jumhuriyat al-iraq*"). Prior to then it called itself "*Iraqi Republic Radio*" (Arabic: "*idha'at al-jumhuriyah al-iraqiyah*").

0258-0025	Arabic	4615
0300-2130	Kurdish	6560

(21-Oct-94/BBCM)

ITALY *Adventist World Radio* sked 25 September, 1994-25 March, 1995 (all 3 kW):

1400-1500	II	7135	I
1500-1630	GG/FF	7225	Eu
0800-1200	AA/FF/GG/II	7230	Eu/AF
1630-1800	SS/AA	7230	Med.

(Direct/19-OCT-94/DX ANTWERP/Marc Vissers-BELGIUM/SW ECHO)

Italian Radio Relay Service (IRRS) now presents a weekly 15-minute SWL mailbag program, *Hello There*. It's broadcast on 7125 kHz per this sked:

Saturday:	0615, 0815, 1415, 1600
Sunday:	0600, 0815, 1430
Monday:	0615, 0715, 1900
Friday:	0700, 1230, 1600, 1900

(Direct)

JAPAN *Radio Japan* schedule, 25-September-1994
to 31-March-1995

0000-0030	JJ	Eu/As/Au	17845 11800 9660 9580 9560 7140 6055-U
0030-0100	JJ	Eu	6155-U 6055-U
0100-0200	EE	As/Am	17845 17810 15195 11910 11860-K 11840- S 9565
0200-0300	JJ	As/Am	17845 17810 15350-F 11910 11895-F 11860- K 9565 5960C
0300-0400	EE	As/Am	17845 17810 15210 9565 5960-C
0400-0500	JJ	Eu/ME/ As/Am	17810 15210 11885 9565 6095-U 6025C 5960-U
0500-0600	EE	Eu/As/Am	17810 15410 11885 11740-K 9565 7230-U 6025-C 5975-U
0600-0700	EE	As	21610 11860
0600-0700	JJ	Eu/As/Au/ Am	17810 15410 15270 11885 11740-K 9565 7230-U 5975-U
0700-0800	EE	Eu/ME/ As/Au	21610 17810 15410 15335 15270 11740-K 7230-U 5975-U
0800-0900	JJ	Eu/ME/ As/Au/Am	21640-G 21610 17810 15335- 15270 15190 11875 11740-K 9750 9685 9675-F 9610
0900-1000	EE	As	15190 11815 9750 9610
1000-1100	JJ	Af/As/Au/ Am	15350-F 15270 15190 11785-G 9610
1000-1300	JJ	As	11815 9750
1100-1200	EE	As/Am	15295 9610 6120-C
1200-1300	JJ	As/Am	15295 9610 7125 6120- C
1300-1400	JJ	As/Am	11840-S 11815 11705- C 9750 9535
1400-1500	EE	As/Am	11915 11840-S 11705- C 9750 9535
1500-1600	EE	Af/As/Am	15355-G 11955 9750 9535
1600-1700	JJ	Eu/ME/Af/ As/Am	21700-G 11955 9750 9535
1700-1800	EE	ME/As/ Am	11930-S 9580 9535 6150
1800-1900	JJ	ME/As/ Au/Am	11930-S 11850 9580 9570 9535 7140 6150
1900-2000	EE	As/Au/Am	11850 9580 9535 7140 6150
2000-2100	JJ	Eu/As/Au/ Am	11850 11800 9560 9535 7140 6085-U
2100-2200	EE	Eu/As/Au	11925-G 11850 11800 9580 9560 6035-K
2200-2300	JJ	Eu/As/Au/ Am	11850 9685-F 9580 9560 6165-U 6055-U

2200-0000	JJ	As	11800 7140
2300-0000	EE	Eu/As/Au	9580 9560 6155-U 6055-U

RADIO JAPAN-REGIONAL SERVICE

0200-0230	Ben	As	11840-S
0200-0300	JJ	Am	15230 11885
0230-0300	Hin	As	11840-S
0300-0330	EE	Am	15230 11895-F 11885
0300-0400	KK	As	15410 11910
0300-0330	UR	As	11840-S
0330-0400	AA	ME	11785-G
0330-0400	SS	Am	15350-F 15230 11895-F 11885
0400-0500	CC	As	15410 11910
0400-0500	RR	As	11760 11715
0430-0530	CC	As	15120 11815
0430-0530	RR	Eu	11785-G
0530-0545	SW	Eu	11785-G 11760
0545-0600	II	Eu	11785-G 11760
0600-0630	AA	ME	17820-S
0600-0630	GG	Eu	11785-G 11760
0630-0700	FF	Eu	11785-G 11760
0745-0845	RR	As	6165 6145
0900-1000	EE	Au	15270
0900-0930	Port	Am	11895-F 9685
0900-0930	Thai	As	11740-K
0915-1015	Indo	As	21610 17810
0930-1000	SS	Am	11895-F 9685
0930-1000	VV	As	11740-K
1000-1030	GG	Eu	11710-U 9600-U
1030-1100	FF	Eu	9600-U
1030-1130	Indo	As	11875
1030-1130	KK	As	6190
1100-1200	RR	Eu	15240-U
1100-1115	SW	Eu	17780-G
1115-1130	II	Eu	17780-G
1130-1200	Beng	As	11840-S
1130-1230	CC	As	6190
1130-1200	GG	Eu	17780-G
1130-1200	Mly	As	11875
1200-1230	Hin	As	11840-S
1200-1230	Thai	As	11875
1230-1300	Bur	As	11875
1230-1300	Urdu	As	11840-S
1300-1400	RR	As	9610 7125
1300-1330	VV	As	11875
1330-1430	CC	As	11875
1345-1415	Bur	As	15240
1400-1500	KK	As	7125 6165
1500-1600	CC	As	9580 7125 6165
1530-1600	FF	ME	15195-S
1600-1630	Pers	ME	15195-S
1715-1745	Swa	Af	15195-G 9560
2030-2100	SS	Eu	15195-G

2100-2115	EE	As	11915 9660
2115-2155	CC	As	11915 9660
2155-2215	Mly	As	11915 9660
2215-2235	Thai	As	11915 9660
2235-2255	Bur	As	11915 9660
2255-2315	VV	As	11915 9660
2315-0000	Indo	As	11915 9660

Relay stations in Moyabi, Gabon (G); Sackville, Canada (C); Montsinery, French Guiana (F); Kranji, Singapore (K); Ekala, Sri Lanka (S); Skelton/Woolfferton, United Kingdom (U) (04-Oct-94/BBCM)

KIRIBATI *Radio Kiribati* has shifted slightly from 9830 to 9825 kHz where it was heard Sept 17th from 0920 with a program of island music and anmts in local language. S/off at 0932 (varies to 0948-AQ) following an English identification and a choral anthem. (Dave Valko/WORLD RADIO REPORT/DX ONTARIO)

KOREA (SOUTH) As of 1st November this year *Radio Korea International (RKI)* discontinued broadcasting in Italian. This will bring the total number of languages broadcast to 10, from the 12 earlier this year. The Portuguese service closed at the end of March 1994. (14-Oct-94/BBCM) [This announcement no doubt comes as a crushing blow to both the stations' Italian listeners-AQ]

KUWAIT *Radio Kuwait* is looking for reception reports on their English transmissions and promises QSL cards in return. They are currently operating in English from 1800-2100 UTC on 11990 kHz. Address reception reports to: Engineering Affairs, Kuwait Ministry of Information, Box 397, Safat 13004, Kuwait. (Sep-94/NZ DX Times)

LIBERIA *ELRL*, the LBS station in Gbarnga, has been off the air since 07 September. According to AFP news agency in Paris, "More than six weeks of factional fighting for control of Gbarnga, headquarters town of Liberian warlord Charles Taylor, has left it in 'complete ruins.' Taylor's radio station [Radio *ELRL*] tower stands but it is not clear if its contents are intact." (21-Oct-94/BBCM)

LITHUANIA Radio Vilnius sked:

0000-0030	English	7150-Russia	Su/Mo
0000-0005	English	7150-Russia	Tu-Sa
0005-0030	Lithuanian	7150-Russia	Tu-Sa
2000-2030	English	9710	
2200-2230	Lithuanian	9710	
2230-2300	English	9710	

(28-Oct-94/BBCM)

Rebroadcasts of the Russian state-run *Mayak (Beacon)* radio station were stopped in Lithuania [on] Tuesday [20th September] because of the station's huge debt to Lithuanian technical services. The Lithuanian Communications and Information Ministry said the state-run TV and radio company Ostankino, which includes *Mayak*, owes Lithuania around 700,000 lits

(175,000 dollars). The Russian company seems to be making no effort to repay the debt despite numerous promises. The AM and FM frequencies previously used by *Mayak* have been given to Laisvoji Banga, a Vilnius-based commercial station, which won in a special contest. (23-Sep-94/BBCM)

MADAGASCAR *RTV Malagasy* is active on the 41 mb channel of 7154.8 kHz in the period 0500-0800. (Vashek Korinek, South Africa, via Manuel Rodriguez Lanza in "The Radio News" #21/WORLD RADIO REPORT/DX ONTARIO)

MALAYSIA *Radio Malaysia, Kuching* in English on 7160 signing off at 1600 UTC. No sign of them on 4950 now for about 2 years or more. (09-Oct-94/Bruce MacGibbon/SW ECHO)

MOZAMBIQUE Two separate Renamo radios are now being heard: *Voz do Sonho* ("Voice of the Dream")—broadcasts on shortwave from Gorongosa (1530-1800 on 6100 kHz) in Sofala Province, northern Mozambique. Until recently this station identified itself as *Voz da Renamo*. These broadcasts from Gorongosa have been heard erratically since 1991, although earlier broadcasts under the name *Voz da Renamo* from elsewhere were heard in the 1980s; and, *Voz da Renamo*. This broadcasts from Maputo. It was first heard at 1440-1530 on 13th October with programming in Portuguese and Ndaou on 7135 kHz shortwave. The station announced that it was also broadcasting on 6030 kHz and on 98.5 MHz VHF/FM. (21-OCT-94/BBCM)

NICARAGUA A mid-September hurricane knocked down *Radio Sandino's* antennas. *Radio Sandino* was forced to use makeshift antennas after strong winds toppled the antennas along the banks of the Tiscapa lagoon. Damage amounts to more than 40,000 dollars, representing a heavy setback to the station's operating expenses. (23-Sep-94/BBCM)

NIGERIA *Radio Nigeria* has reactivated 4990 kHz. Noted at 2220, IDing as "*Radio Nigeria One, your most reliable jazz station*" on October 6th. (Valko, NU #1292)

The federal government has awarded a 230m naira contract for the refurbishing of the equipment of the *Voice of Nigeria [VON]*. (07-Oct-94/BBCM) [This likely just to spite my naysaying in the October LN-AQ]

NORWAY The quasi-clandestine *Democratic Voice of Burma* is broadcast from transmitters at Kvitsoey, Norway, used at other times by *Radio Norway International* and *Radio Denmark*. Sked 1430-1500 in Burmese on 11850, with frequency subject to considerable change. Address: PO Box 6720, St Olavs Plass, 0130 Oslo, Norway. (04-Oct-94/BBCM)

PAPUA NEW GUINEA In the first week of September, a peace agreement was signed between the Bougainville Island rebels and the national government, ending a six year rebel insurrection. There is a peace-keeping force on the island with representation from

Tonga, Fiji and Vanuatu. Almost immediately, **Radio United Bougainville-3880** (a government outlet) and **Radio Free Bougainville-3870** and more recently 3850 kHz left the air. A new, more powerful national government station [**R. United Bougainville**] then went on the air using 3875 kHz. [Now 3880-AQ] with closing at 1300 when the PNG national anthem is heard. Programs consist of English pop and island music with anmts in Pidgin. (Arthur Cushen on RNMN via Tony Ward / Arthur Cushen's Radio World-Oct/94/WORLD RADIO REPOR/DX ONTARIO)

R. East Sepik (NBC Wewak), 3335, reactivated after a long absence. Noted 1050 on 28 Sep. (Foster/OZDX)

From the UPI wire of 20 September: "Five volcanoes have erupted around the beleaguered Papua New Guinea major port of Rabaul. The eruptions occurred in the mountains surrounding the town and from the seabed of Rabaul harbor. A large raft of pumice is floating on the sea and covers the entire Rabaul Bay. Heavy rain in the area has turned the volcanic ash—estimated to be around 3 feet deep—into deep mud. The eruptions were accompanied by volcanic earthquakes and violent electrical storms." (via Tom Roach on Internet via Ben Krepp & Manuel Rodriguez Lanza/WORLD RADIO REPORT/DX ONTARIO). According to news reports, volcanic eruptions completely wiped out Rabaul covering the area in a thick layer of ash. Residents may have to abandon area permanently. (Orr via Johnson, NU #1290). No sign of **Radio East New Britain** on 3385 at 1000, probably due to erupting volcano on island. (Valko NU #1290). 9675 was on the air 2000-0700, then switching to 4890 during local nighttime hours. 3385 was still missing 22/9 but **Radio West New Britain-3235 kHz** was on the air as noted around 1000. (Dave Valko / Arthur Cushen on RNMN 21/9/WORLD RADIO REPOR/DX ONTARIO). **NBC-Boroko**, 4890, running past 1700 since the volcano eruption on New Britain. The 31 mb outlet is silent. (T. Inoue Nozaki (TIN), PlayDX #805) NBC, 4890, **Volcanic Disaster Emergency Service** programming noted here between 0930-1230. Most of the programming was in English and at times from the studio in Rabaul. Heard on Sept. 23-24, (Valko/Johnson DXpedition, NU#1291). 3385 is gone, ta ta, no more, see ya later! 5985 by the looks of things was a catch in Rabaul itself! Temporary North Solomons [3325] hasn't been hrd for so long, I forget just how many months it's been. At a guess I'd say around at least 18 of them. (04-Oct-94/David Martin-NZ/SW ECHO)

POLAND Polish Radio Warsaw schedule effective 1st October 1994 to 26th March 1995. All targeted at Europe:

0600-0625	Belar.	7285 6035
0600-0625	Ukrain.	7270 6135
0630-0725	Polish	7285 6095 6035 5995
0730-0755	Polish	7285 6095 6035 5995
1200-1225	Russian	9525 7285 7145 6135
1230-1255	German	11815 9525 7145 6135

1300-1355	English	11815 9525 7270 7145 6135
1400-1425	Lithuan.	9540 9525 7145 6135
1430-1455	Esperan.	11815 9540 9525 7145 6135
1500-1525	German	9540 9525 7285 7145 6135 6095
1530-1555	Russian	9525 7270 6095
1530-1555	Ukrain.	7285 6135 6035
1600-1625	Belarus.	7145 6095
1600-1625	German	7270 6135
1630-1655	Czech	7270 6095
1630-1725	Polish	7145 6135
1700-1725	Lithuan.	7270 6095
1730-1755	German	7270 6135 6095 5995
1800-1855	English	7285 7270 5995
1900-1925	Belarus.	7285 6035
1930-1955	Ukrain.	6035
2000-2025	Czech	7285 6135
2030-2125	English	7285 6135 5995
2130-2155	Esperan.	6135 5995
2200-2255	Polish	6135 6095
2302-2355	Polish	1305 819

(14-Oct-94/BBCM)

Since 8 October, **Radio Free Europe** is no longer relayed on mediumwave in Poland. In its place is **Radio Bis** programming. **RFE's** Polish service, which now originates from studios in Warsaw, continues to be broadcast on shortwave. (21-OCT-94/BBCM)

ROMANIA On 25th September 1994, **Radio Romania International** inaugurated a program in Ukrainian. These programs are directed towards the 60,000 Ukrainians who live in Romania. In addition, residents of some Western oblasts of Ukraine can also tune in. Sked is 1500-1530, Sa/Su, on 5990 and 7195 kHz. (30-Sep-94/BBCM)

RWANDA UNICEF has promised **Radio Rwanda** US\$300,000 to help the station get back on its feet. (23-Sep-94/BBCM)

SAUDI ARABIA BSKSA schedule from 4th September 1994:

Main Program

0600-0900	Arabic	11710 11950
0600-1200	Arabic	11820
0900-1500	Arabic	15060
1200-1500	Arabic	15175 15380
1700-1800	Arabic	11780 11950 11965
1800-2300	Arabic	9555 9870

Holy Quran Program

0300-0600	Arabic	9555 9720 9885 11740 17720
0900-1200	Arabic	17880 21495
1200-1600	Arabic	15165 15280
1600-1800	Arabic	9730 11710 11835
1800-2100	Arabic	9075 11935

Call of Islam Program

1500-1700	Arabic	11780 11950 11965
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Second Program

0300-1700	Arabic	9580
1700-2100	Arabic	6020

Foreign Programs

0400-0500	Somali	15335
0400-0600	Turkish	15060
0500-0600	Swahili	17760
1000-1200	Indo.	21665
1200-1400	Urdu	15345
1400-1500	Bengali	15345
1400-1600	Farsi	11825
1500-1600	Turkestani	9730
1600-1700	Bambara	17775

(Direct/7-Oct-94/Chris Stacey-UK/Jan Nieuwenhuis/
BDXC/INTERNET)

**SLOVAKIA Adventist World Radio sked 25 Septem-
ber, 1994-25 March, 1995:**

0100-0400	EE/HI/UR	7270R	As
0300-0500	FF/EE	6050R	Eaf
0400-0600	EE/FF	9465R	As/Af
0500-0700	AA	11610R	ME
0600-0700	EE	13725R	Af
0700-0800	AA	7305V	Eu
0700-0800	AA/FF	11610R	Af
0700-0900	GG/CZ	5940	Eu
0800-0900	HU	6055V	Eu
0800-1000	FF/EE	17630R	Waf
0900-1100	EE/AA	9450R	Eu
1200-1400	RO/HU	5940V	Eu
1400-1600	GG/CZ	5940R	CEu
1400-1700	EE/HI/UR	9455R	Af
1700-1800	EE	7270R	AfG
1600-1700	FF/EE	11610R	Eaf
1700-1800	EE	9450R	Eaf
1800-2000	AA	7315R	ME
1800-2100	FF/EE/AA	9455R	Af
2000-2200	EE	6055R	ME/Eu
2100-2300	FF/EE	7270R	Waf

Sites: R = Rimavska Sobota, V = Velke Kostolany

Languages: CZ = Czech, EE = English, FF = French, GG = German, HH = Hungarian, HI = Hindi, PO = Polish, RR = Russian, RO = Romanian, UR = Urdu. (Direct/19-OCT-94/DX ANTWERP/Marc Vissers-BELGIUM/SW ECHO)

SOMALIA Radio Mogadishu, the Voice of the Somali People, which supports Gen. Muhammad Farah Aydid, has extended its broadcasting hours by adding a transmission in the middle of the day. It is now also broadcasting news bulletins in Arabic and English, as well as in Somali. Sked, all on freq of 6870 khz, is now 0330-0500 (0400-0600 Fridays), 0900-1300 and 1500-1900 with news in Somali at 0445-0455 (0545-0555 Fridays), 1100-1110, 1700-1710 and 1815-1825 UTC. News in Arabic is carried at 1245-1255 and 1845-1855, with news in English at 1230-1240 and 1830-1840. (07-Oct-94/BBCM)

SRI LANKA A tempest is brewing here, halting work on the new VOA relay site, near the town of Chilaw, about 50 miles from Colombo. Villagers raised a stink when construction began early last year, claiming the station would be used as a cover for military communications, adding it would emit radiation and cause disruption.

On 5 October, 400 protesting locals blocked the road to the site. The police arrived and opened fire on the crowd, killing one man. The crowd retaliated by hurling stones, and the police charged in with tear gas and batons. The police have been charged with unruly behavior in the violent incident. A local Catholic bishop urged the government to cancel permission to complete the site, which was hoped to replace the 43-year-old facilities at Seeduwa.

Today, the new VOA site has one less guard shack, several less entrance signs and NO WORK going on. Workers are unable to enter the site due to possible conflicts with the locals, and it's costing about \$30,000 per day in contractor's damages to deal with this. It's doubtful the work will begin again until mid-November. (with thanks to Reuters, John Vodenik and Bob Brown)

**SWAZILAND TWR D-94 Final Broadcast Schedule,
6 November 1994-25 March 1995:**

0300-0330	Ndeb.	3200	ZWE	25
0300-0330	Swahili	4760	Eaf	100
0300-0345	Shona	3240	ZWE	25
0330-0345	Swahili	4760	Eaf	1000 Sa
0330-0400	Tswana	3200	SAF	25
0335-0350	Somali	9500	Som	100 Su-Th
0400-0415	Lomwe	6100	N.Moz	25
0400-0430	German	3200	SAF	25
0400-0430	Chewa	7140	MWI	100
0400-0430	German	5055	NMB	25
0430-0500	English	3200	SAF	25
0430-0530	English	7140	CAF	100
0430-0530	English	6070	Cape	25
0430-0735	English	5055	SAF	25
0505-0735	English	9650	Cape	25
0530-0545	Chewa	7140	MWI	100 Sa/Su
0535-0735	English	6070	SAF	25
0600-0735	English	9500	S/CAF	100
0735-0805	English	9500	S/CAF	100 Su-Fr
0735-0805	English	6070	SAF	25 Su-Fr
0735-0805	English	9650	Cape	25 Su-Fr
0735-0805	English	5055	SAF	25 Su-Fr
1400-1415	Urdu	15325	PAK	100
1425-1430	Port.	7200	N-MOZ	50 Mo-Fr
1430-1515	Port.	7200	N-MOZ	50
1500-1515	Malag.	7120	MDG	25
1515-1530	Lomwe	7200	N-MOZ	50
1515-1545	French	7120	MDG	25
1530-1545	Makua	7200	N-MOZ	50
1540-1555	Tigrin.	9500	ETH	100 Su/Fr
1600-1630	Tshwa	4775	MOZ	25

1600-1700	Chewa	7120	MWI	50	
1600-1700	English	9500	EAF	100	
1630-1645	Tshwa	4775	MOZ	25	Mo-Sa
1630-1700	German	5055	SAF	25	Sa/Su
1630-1700	Afrika.	5055	SAF	25	We
1700-1715	English	7120	CAf	50	
1700-1730	Tswana	5055	SAF	25	
1700-1800	Swahili	9500	EAF	100	
1700-2045	English	1170	SAF	50	
1715-1730	English	7120	MWI	50	Mo-Sa
1730-1745	Pedi	5055	SAF	25	Sa/Su
1730-1800	Zulu	3240	SAF	25	
1745-1830	Shona	4790	ZWE	25	
1800-1830	Ndebe.	3240	ZWE	25	
1800-1845	English	9500	EAF	100	
1800-2015	English	3200	SAf	25	
1830-1900	Xhosa	3240	SAf	25	
1845-1900	Umbu.	7290	AGL	50	
1900-1915	Kimb.	7290	AGL	50	
1900-1930	Lingala	9520	ZAI	100	
1900-2045	English	3240	SAf	25	
1915-2000	Port.	7290	AGL	50	
1930-2000	French	9520	ZAI	100	
2000-2005	Port.	7290	AGL	50	Mo-Fr
2000-2015	French	9520	ZAI	100	Sa/Su
2015-2045	English	3200	SAf	25	Su

(Direct/19-Oct-94/Marc Vissers-BELGIUM/DX ANTWERP/SW ECHO)

SWEDEN *Radio Sweden* English Schedule Sept 25 1994-March 25 1995

0030	6065 6200	LAm
0130	9895 11695	As/Oc
0230	6200 9850	NAm
0330	6200 9850	NAm
1230	13775 15120 15240	As/Oc
1330	11650 15240	NAm
1430	11650 15240	NAm
1715	6065	Eur
1830	6065 9655 13690	Af/ME
1830	6065 9655 13690	Eur
2130	6065 9655	Eur
2130	6065 9655	Af/ME
2230	6065	Eur
2330	11910	As/Oc

(27-Sep-94/Frederick Gordts-BELGIUM/SW ECHO)

TANZANIA National radio and television broadcasts in Zanzibar have been disrupted as a result of an attempt to ensure the countrywide distribution of electricity, a situation that has forced the management of the corporations to alter their programme schedules. Radio broadcasts by *Voice of Tanzania, Zanzibar*, will now only be heard for 12 hours a day, from 0300-1500 UTC. There will be no radio broadcasts at night. (23-Sep-94/BBCM)

THAILAND *Radio Thailand* is now using 11905 kHz for the transmission to Eastern North America, at 0030-0200. The transmission to Western North America is on 11890 kHz, at 0300-0430 GMT. First half-hour of each transmission is in English; the last hour in Thai. (20-Oct-94/Dan Ferguson/Ralph Brandi)

TONGA *Radio Tonga* which operated on 5030 kHz has been off the air for some time. The transmitter is still in the building but the dipole antenna was blown down in a hurricane. The return is a long way off. (D' Angelo/Johnson NU #1289)

TURKEY *Voice of Turkey* schedule effective 25th September 1994 to 26th March 1995:

0000-0400	Turkish	11710 9560 9445 9330
0400-0500	English	9445
0400-0600*	Turkish	6140
0500-1000	Turkish	15385 15145 11925 9460
0800-0900	Azeri	9590
0900-1000	Arabic	11955
1000-1100	Arabic	11955 11750
1000-1100	Turkish	15350 9460
1030-1100	Hungar.	7290
1100-1130	Roman.	7290
1100-1600	Turkish	15430-(Fr.only) 15350 11955 9460
1130-1200	SerbCro	7290
1200-1230	Albanian	7290
1230-1300	Chinese	9600
1300-1330	Urdu	9675
1330-1400	English	9675
1400-1500	Persian	9675
1500-1530	Russian	7285
1530-1600	Greek	7180
1600-1700	Arabic	15430 11955
1600-1700	Azeri	7285
1600-1700	Turkish	15350 9460
1700-1730	Arabic	11955
1700-1800	Bulgarian	5980
1700-2300	Turkish	11945 9685 9460
1730-1830	German	9560
1800-2200	Turkish	5980
1830-1930	Greek	7110
1930-2030	Persian	9675
2030-2100	German	9560
2100-2200	English	9400
2200-2300	Bulgarian	5980
2200-2300	French	9730
2300-0000	English	11710 9445 7185
2300-2400	Turkish	9460

(28-Oct-94/BBCM)

USA At the last minute, the US Navy raised a conflict with *MRI*'s use of 7535 after 1000 UTC. Accordingly, *WSIB* has moved its broadcasts to 6095 kHz from 1000-1400 UTC. Here's the complete revised *Moni-*

tor Radio Int'l. schedule 08-Nov-94 to 07-Mar-95:

0000 9430 7535
 0100 7535 9430
 0200 5850 9430
 0300 5850 9455
 0400 7535 9840
 0500 7535
 0600 7535
 0700 7535
 0800 7535
 0900 7535 7395
 1000 7395 6095
 1100 7395 6095
 1200 9455 6095
 1300 6095 9455
 1600 21640
 1700 21640
 1800 9370 21640
 1900 9370 17510
 2000 7510 7535
 2100 7510 7535
 2200 7510 13770
 2300 7510 13770

(Direct/03-Oct-94/C. Ed Evans-MRI) [KHBI sked remains unchanged from LN September-AQ]

WYFR schedule effective 25th September to 26th March 1995:

0000-0100 English 6085
 0000-0100 Spanish 9715
 0100-0300 English 9505 6065 5950
 0100-0200 Port. 11885 9745
 0100-0300 Spanish 9850 5985
 0100-0500 Spanish 11855 9715
 0100-0200 Spanish 9680
 0300-0500 English 9505 6065
 0300-0500 Spanish 5985
 0305-0350 Russian 9850 6130
 0400-0500 English 9770
 0400-0500 German 7455
 0400-0500 Port. 11580
 0400-0500 Russian 9850
 0500-0600 Arabic 11580 9820
 0500-0700 English 5985
 0500-0600 English 9850 9830
 0500-0600 German 9770
 0500-0600 Spanish 11855 9705
 0600-0800 English 9850 9680 7355
 0600-0700 French 11580 9770
 0600-0700 Italian 7520
 0700-0800 Italian 9770 7520
 0800-0900 Port. 9605 6175
 0800-1000 Spanish 9555 6105
 0900-1000 Port. 9680 9605 9575 6175

1000-1100 English 5950
 1000-1100 French 11740 9850
 1000-1300 Spanish 11740 6085
 1000-1100 Spanish 9575 9555 6105
 1100-1200 English 7355 5950
 1100-1300 French 13695
 1100-1200 Spanish 11725 9605
 1100-1200 Spanish 11830 9575
 1200-1300 English 11970 11830 7355 5950
 1200-1300 Spanish 11725 9605 9575
 1300-1400 English 13695 11970 11830 9705 5950
 1300-1400 Spanish 6085
 1300-1400 Spanish 15355 15130 11725
 1400-1500 English 17760 11830 9705
 1400-1500 Spanish 15130
 1500-1700 English 17760 15215 11830
 1600-1700 Arabic 15255
 1600-1700 English 21745 21525 15566
 1700-1800 Arabic 21525
 1700-1900 English 17760 15566
 1700-1800 German 15355
 1700-1800 Russian 21720 17735
 1800-1900 French 21720 21525 17735
 1800-1900 Italian 15355
 1900-2000 English 17660
 1900-2000 German 5825
 1900-2000 Port. 21525
 2000-2100 English 21525 13695 7355
 2000-2100 French 5825
 2100-2200 English 13695 11580 7355
 2100-2200 Italian 5950
 2200-2300 English 13695 11580
 2200-2300 Port. 15130
 2200-2300 Spanish 7355
 2200-0100 Spanish 5985
 2300-0100 French 15400
 2300-0000 French 6085
 2300-0100 Port. 11885
 2300-0100 Spanish 17845 15215 15170
 (14-Oct-94/BBCM)

KNLS schedule valid 26th September 1994 to 26th March 1995 (all beamed to Asia):

0800-0900 English 7365
 0900-1000 Russian 7365
 1000-1100 Chinese 7365
 1100-1200 Russian 6150
 1200-1300 Chinese 7365
 1300-1400 English 7365
 1400-1700 Chinese 7355
 1700-1800 Russian 7355
 (14-Oct-94/BBCM)

WEWN

0000-0800	English	7425
0000-0200	English	5825
0000-0100	Spanish	9985
0100-0200	SS/EE	9985
0200-0300	English	9410
0200-0800	Spanish	9985
0300-0400	Russian	5825
0400-0500	Belar.	5825
0500-0600	Cz/Slov	5825
0600-0700	Dutch	5825
0700-0800	Polish	5825
0800-1100	English	9350 7425-(to 0900)
0800-0900	Hung.	7465
0900-1300	English	7465
0900-1000	Port.	7425
1000-1100	Spanish	9985
1100-1600	English	7425
1200-1300	SS/EE	9985
1300-1400	Chinese	7465
1300-1400	Spanish	9985
1400-1500	Lithu.	17510
1400-1800	Spanish	18930
1500-1600	Arabic	17510
1600-2200	English	13615
1600-2000	English	15695
1800-1900	SS/EE	18930
1900-2000	English	18930
2000-2100	Port.	18930
2000-2100	SrbCro	9985 7520
2100-2200	English	18930
2100-2200	Italian	9985 7520
2200-0000	English	7425
2200-0000	German	5825
2200-2300	Port.	11820
2300-0000	English	11820

(28-Oct-94/BBCM)

WJCR in Kentucky says that although they now have three converted mediumwave 50-kW transmitters they are still only using two of them. Getting the third on the air is a lower priority than expanding their TV operations. They are now transmitting on 7490 kHz in English 24 hours a day and on 13595 kHz for 12 hours a day in English and 12 hours in Chinese. (20-Sep-94/WORLD OF RADIO/BBCM)

WWCR's move from 5810 to new 5065 kHz has plenty of DX'ers upset..."I'm not happy to hear this stuff on 60 meters!" (10-Oct-94/Harold Sellers)..."Let's see how much of the 60 mb is eaten up by their slop QRM. (Valko, NU #1292)"..."I also confirm a somewhat bad signal from **WWCR** on 5065 kHz. The same was reported today by Glenn Hauser on *World of Radio*. The signal has more fading to it than that of the previous 5810 kHz they were using. 5065 kHz is sort

of sloppy for the above mentioned time period to the west coast of North America. (16-Oct-94/Lawrence Kranich/SW ECHO)..."...nobody's playing by the rules anymore. The 60 meter band ends at 5060 according to the ITU agreements, so this is an out of band assignment anyway. There are others in this 'band extension.' I don't believe the agreements on tropical broadcasting apply to out of band assignments, so technically 5065 is a worldwide utility band assignment, as (i)legitimate as 5810. Of course, there are lots of broadcasters from many countries out of band these days: they've already filled the post-2007 band extensions, years ahead of schedule, and are spilling out into more and more ute territory. That said, if the FCC puts **WWCR** on 5065 it will certainly be an ugly thing to do. It's one thing to trespass on underutilized property, but to put **WWCR** (in my logbook the recordholder for signal strength on shortwave) in the midst of 1 and 5 kw broadcasters is more like trespassing with a bulldozer. **WWCR** must have very effective friends in the government: their programming is manifestly intended primarily for US consumption, despite official excuses, and it is therefore illegal for them to be on shortwave at all. Despite this, the FCC is apparently willing to seriously violate the spirit, if not the letter, of international agreements to find **WWCR** a frequency." (09-Oct-94/John Doty/SW ECHO)

Current Schedule for **WINB**, using about 14 kW:

0000-1100	11950
1600-1900	15715
1900-2400	11915

In reality, station is only on the air from 1600-0400 daily per above frequency list. (Tracy Wood/Internet/28-Sep-94/Will Martin/SW ECHO)

Re **Radio Marti** on 1020 kHz via Turks and Caicos: 1020 was active only during the height of the rafter exodus, and the site has never been confirmed by the tight-lipped at **VoA**. There was some speculation of a Guantanamo site by some, though I'm inclined to agree that it was actually via *Caribbean Christian Radio* on Turks & Caicos (based on the signal strength). **Radio Habana** was complaining about there being 3 active medium wave frequencies, not sure what the third one would be unless it was from Belize. Incidentally, saw a report from a Barcelona DXer touring Central America of a **VoA** Belize outlet on 680 in addition to 1530 and 1580. This is despite **VoA's** announcing the closure of the Belize site a few months back. Maybe Kim Elliot or Dan Ferguson (both at **VoA**) would be so kind as to clear up some of this confusion for the DX community. (10-Oct-94/David Crawford/INTERNET)

[Yeah, I know **RFE/RL** transmitters are located at Biblis, Holzkirchen and Lampertheim (Germany); Playa de Pals (Spain); Gloria and Maxoqueira (Portugal); and within the target countries too. But this is where this sked is going. So sue me.—AQ]

This schedule (valid 25 Sep 94-26 Mar 95) is divided into three sections: **RADIO LIBERTY** (in languages of the CIS, except Russian); **RADIO FREE**

EUROPE (in East European languages); **RADIO LIBERTY-RUSSIAN SERVICE.**

RADIO LIBERTY

0000-0300	Kazakh	9625 7275 7145 6135
0100-0200	Kyrgyz	9540 7295 6050
0200-0230	Tajik	9600 7295 6050
0200-0300	Turkmen	61700 9680 7255
0200-0400	Uzbek	9725 9540 7190 5985
0300-0400	Armenian	9680 7145 6050
0400-0500	Azeri	9680 9595 7180
0400-0500	Tat-Bash.	95405 9725 7190
0400-0700	Ukrainian	7245 7165 6170
0500-0600	Belar.	7115 5970 3970
0500-0600	Georgian	9680 9595 7180
0500-0600	Tat-Bash.	7285
0500-0700	Tat-Bash.	9695 9540
0600-0700	Tat-Bash.	11895
1200-1500	Kazakh	17750 15340 15130 11970
1400-1500	Kazakh	9695
1300-1400	Uzbek	17725 15370 15215 11875
1330-1400	Tajik	17835 17760 15445 15380
1400-1500	Turkmen	15370 15215 11875 9565
1500-1600	Armenian	15115 11875 11770
1500-1600	Belarus.	9705 7255 5970
1600-1700	Azeri	11875 9540 7200
1600-1700	Kyrgyz	11915 9770 9695 7295
1600-1630	Tajik	15215 11905 11895 9695
1600-1700	Tat-Bash.	11835 9705 7155
1600-1700	Turkmen	15115 11895 11770 9565
1630-1700	Tajik	11815 9685 9595 7115
1700-1800	Armenian	11875 9595 9540
1700-1800	Uzbek	9705 9575 9565 7255
1800-1900	Belarus.	9695 7200 5970
1800-1900	Georgian	9595 9540 7245
1800-1900	Turkmen	11875 9575 9565 7255
1800-2100	Ukrainian	9660 7295 7115 5985
1900-2000	Azeri	9670 9565 7245
2000-2100	Belarus.	7245 5970 3970
2000-2100	Georgian	9680 9670 7145
2000-2100	Tat-Bash.	9565 7200 7135 6025

RADIO FREE EUROPE

0500-0700	Polish	7190	(Mo-Sa)
0500-0600	Roman.	9725 7165 6095	(Mo-Sa)
0500-0530	Eston.	9510 7255 5985	
0530-0600	Latvian	9510 7255 5985	
0600-0630	Lithua.	9510 7255 5985	
0600-0800	Roman.	9725 7165 6095	
0800-1000	Roman.	11725 9725 7165	
1000-1300	Roman.	11725 9725 7165	Su
1300-1500	Roman.	11725 9725 7165	(Sa-Su)
1400-2000	Bulgar.	9625	
2000-2200	Bulgar.	7295	
1500-2000	Roman.	9725 7165 6115	

2000-2300	Roman.	7165 6115 5955
1600-1700	Latvian	7255
1700-1800	Srb-Cr.	15115 11770 7115
1800-1900	Lithua.	9710-Lithuania 3970
1900-2000	Latvian	7255 5970 3970
2000-2200	Polish	7190 (Su only)
2000-2100	Eston.	7255
2000-2200	Polish	7190
2100-2200	Lithua.	7255 5970 3970
2100-2200	Srb-Cr.	9680 7145 7115 5985
2200-2300	Eston.	7255 7155 5970

RADIO LIBERTY-RUSSIAN SERVICE

0000-0100	9750 9660 9520 7295 7255 7245 7220 7155 6170 6105
0100-0200	9750 9660 7255 7245 7220 7165 7155 6170 6105
0200-0300	9750 9660 9520 7295 7245 7220 7165 7155 7105 6105 6050
0300-0400	9660 9520 7295 7255 7245 7165 7155 6170 6105 5970 5955
0400-0500	11885 9705 9660 9640 9625 7255 7145 6105 5970 5955
0500-0600	11970 11895 11885 11875 11855 9705 9640 9625 9555 7220 7145 6105
0600-0700	11970 11885 11875 11855 11725 9705 9595 9555 9520 7220 7180 7145 7115 6105
0700-0800	15290 15250 15215 11970 11885 11875 11725 9695 9625 9520 7220 7190 6105
0800-0900	15370 15290 15250 15215 11885 11875 9695 9625 9520 7220 7190 6105
0900-1000	17805 15370 15290 15250 15215 11885 11875 9625 9520 7220 7190 6105
1000-1100	17805 15370 15290 15250 15215 11885 11875 9625 9520 7220 7190 6105
1100-1200	17805 15370 15290 15215 11885 11875 9625 9520 7220 7190 6105
1200-1300	17805 15370 15290 15215 11885 11875 11725 9625 9520 7285 7220 7190 6105
1300-1400	17805 15290 11885 11725 9625 9520 7245 7220 7190 6190 6105 5985
1400-1500	17805 15290 11885 11725 9525 9520 7245 7220 7190 6170 6105 5985
1500-1600	15290 11885 11725 9565 9520 9505 7245 7220 7190 6170 6105 5985
1600-1700	11885 11725 9520 9505 7220 7190 6170 6105 5985 5970
1700-1800	11885 9520 9505 7295 7220 7190 7155 6170 6135 6105 5985 5970
1800-1900	11885 11770 9670 9520 9505 7295 7220 7190 7155 6170 6135 6105 5955
1900-2000	11885 11770 9750 9695 7295 7220 7190 7155 6170 6135 6105 5955

2000-2100 11885 11770 9750 9695 9625 9520 9505
7265 7220 7155 6170 6135 6105
2100-2200 9695 9660 9625 7265 7220 7155 6170
6135 6105
2200-2300 9660 9625 9565 9520 9505 7295 7245
7220 6170 6135 6105 5955
2300-2400 9750 9660 9625 9520 7295 7245 7220
7155 6170 6105 5955

VANUATU A new transmitter site for *R. Vanuatu* is currently under construction. New will be 2 x 1 kW mediumwave and 2 x 10 kW shortwave transmitters, with the present shortwave transmitter also relocated. Air date is sometime by the end of 1994. (?? Myers-BELGIUM/27-Oct-94/Andy Sennitt/RN MEDIA NETWORK)

VENEZUELA *Radio Caracas Radio* has verified with a new QSL card, confirming reception on 25705 kHz USB as a test frequency, being "our initiative to broadcast worldwide. With only 500 watts of power, we have the objective [of] covering Latin America in certain day hours, relaying our estelar news programs." (Manuel Rodriguez Lanza/WORLD RADIO REPORT/DX ONTARIO)

Radio Barquisimeto-4990 is planning to acquire a new transmitter with an increase in power to 50 kW. (Manuel Rodriguez Lanza in "The Radio News" #21/WORLD RADIO REPORT/DX ONTARIO)

VIETNAM *The Voice of Vietnam* recently submitted to the prime minister for an approval an initial plan to improve its broadcasting coverage to the entire world by the turn of the century. In the future, most of areas in China, southeast Asia and Australia will be able to hear *Voice of Vietnam* by mediumwave radios. Listeners in north Asia, Europe, America and Africa will receive programs on shortwave bands. *The Voice of Vietnam* also plans to improve its signals and a wider broadcasting in the country, expanding its coverage to 95% of [the] Vietnamese population. The station has admitted, though, that it cannot possibly broadcast in all the 52 minority dialects spoken within its borders. (03-Oct-94/BBCM)

YUGOSLAVIA *R. Yugoslavia* in English:

0000-0030 9580 11870 NAm Mo-Sa
0200-0230 6195 WNA
1330-1400 11865 Australia
1930-2000 6100 9720 Eur
2200-2230 6185 9720 Eur

(27-Oct-94/Andy Sennitt/RN MEDIA NETWORK)

In a mailbag program, *Radio Yugoslavia* confirmed that it is using transmitters in Bosnia. [See LN September]. "*Radio Yugoslavia* has four 500-kW transmitters. Two are in the Serbian town of Stubline, not far from Belgrade, in our old transmission center, and they are currently not in operation, though we do hope to activate them soon. The other two are in Bijeljina, in the former Yugoslav republic of Bosnia-Herzegovina, and they are the ones *Radio Yugoslavia* is currently using.

They always work with full capacity, except when broadcasting to neighboring countries when they use 250 kW." [Note: The item did not specify where the relay of the domestic service *Radio Beograd* on 720. kHz is transmitted from.] (21-Oct-94/BBCM)

ZAIRE 6544, *R. Bukavu* is operating here. Sign on for morning is 0430 UTC. (Ferguson, NU #1293)

PIRATES-EUROPEAN *The Voice Of Scotland*, 6273, made a test to North America on October 1st from 2300 to 2329 close down. Power was announced as 750 watts. Reception was reported as far west as Kansas by Rob Keeney. A new maildrop in Providence, RI was announced for reception reports to be sent. [Maybe not Euro at all see below-AQ]

SRS NEWS is a weekly newsletter of loggings and info on Europirates. From that newsletter comes this list of Europirates logged during October. Loggings have been edited by me [AQ], with unidentified stations and others broadcasting at impossible-to-NA times deleted. These stations operate only on weekends.

3908	2200	<i>Radio Doktor Tim</i>	GG
3910	2300	<i>Starshine Radio</i>	EE
3910	2320	<i>Radio Sparks</i>	EE/GG
3910	0117	<i>Int'l. Music R.</i>	EE
3925	2220	<i>Champions Radio</i>	EE
3925	2358	<i>Southern Music R.</i>	EE
3945	2305	<i>W.&N. Kent R.</i>	EE
3945	2312	<i>R. Fusion Int'l.</i>	EE
6206.5	0910	<i>R. Doktor Tim</i>	GG
3925	0000	<i>Champions Radio</i>	EE
3925	0013	<i>Swedish SW RS</i>	EE
6206	0915	<i>Super Gold</i>	EE
6206.5	0838	<i>Holland FM relay</i>	DD
6206.5	0900	<i>Starshine Radio</i>	EE/GG
6206.5	1013	<i>Radio Perfekt</i>	GG/EE
6206.5	0920	<i>R. Titanic Int'l.</i>	EE/SW
6206.5	0935	<i>Radio Nord</i>	SW
6210	1028	<i>Brit.'s Better Music Stn.</i>	EE
6235	1014	<i>Britain R. Int'l.</i>	EE
6235	0735	<i>Jolly Roger Radio</i>	EE
6251	1030	<i>Star Club Radio</i>	GG
6255	0904	<i>Radio Benelux</i>	GG
6258	0905	<i>Swedish SW Rly. Sce.</i>	EE
6258	1013	<i>Southern Music R.</i>	EE
6258	1040	<i>Champions Radio</i>	EE
6260	0904	<i>Welle Wahnsinn/Crazy Wave</i>	GG/EE
6266	1055	<i>WMS/Magic Spell</i>	EE
6266	0845	<i>Trans Atlantic R.</i>	EE
6282	0907	<i>Radio Popcorn</i>	GG
6283.4	0704	<i>FRS Holland</i>	EE/GG
6290	1039	<i>Xenon Xmtg. Co.</i>	EE
6294	0909	<i>Laser Hot H2its</i>	EE
6298	1019	<i>Trans Atlantic R.</i>	EE
6300	1008	<i>Ozone Radio Int'l.</i>	EE

6300	0925	<i>Brit.'s Better Music Stn.</i>	EE
6303	0953	<i>FRS London</i>	EE
6400	0720	<i>Angel Radio Int'l.</i>	EE
6400	0850	<i>W.&N. Kent R.</i>	EE
6548	0908	<i>R. E.Coast Holland</i>	DD
7294U	0745	<i>Radio Europe</i>	II
7294U	1020	<i>Radio Marabu</i>	EE
7361	0924	<i>Radio 101</i>	EE/GG
7380	1016	<i>Int'l. Music R.</i>	EE/GG
7414v	0815	<i>FRS Holland</i>	EE/GG/ DD
7473	0905	<i>R. Waves Int'l.</i>	EE
7480	1015	<i>Radio Benelux</i>	GG/EE
7484	0758	<i>R. Titan Int'l.</i>	EE
12255	1650	<i>Reflections Europe</i>	EE
12265	1056	<i>Wrekin' R. Int'l.</i>	EE

Other items from SRS NEWS:

Mystery Voice of Scotland were heard in the USA this weekend on 6273 after 0010 UTC claiming to use 750 watts of power, but causing RF trouble though. In Germany the station wasn't heard, as far as we know! Long skip or even a local US relay? Who knows? [Considering the widespread U.S. reception of this and the lack of loggings from Europe, there's more than a little reason to suspect *VO Scotland* originated on this side of the Atlantic-AQ]

Andrew Yoder of Pirate Pages will offer a special CD with info and recordings of US pirates. More info from Blue Ridge Summit maildrop.

Pirate Connection 9 is now available for US\$4 at the following address: Stefan Printz, Kamnarvagen 13D:220, 226 46 Lund, Sweden. This issue includes an interview with the operator behind *Radio Baltic International*, the story about *Radio Jackie*, 16 pages address list, info on European and American pirates, Dutch medium wave stations and much more.

SRS NEWS: INTERNET: SRS@swedx.ct.se SRS-Voice: +46 303 94583 open 24 hours a day. Address: SRS, strå Porten 29, 442 54 YTTTERBY, SWEDEN. (various-Oct-94/SRS NEWS/Jonny Augustsson-Sweden)

PIRATES-MEXICO *Radio Pirata*, a political pirate FM station in Mexico City, had its equipment confiscated by Mexican authorities on 10 October. Owners of the station—which began operating on Saturday, 8th October on 89.1 MHz FM—say they will not stop transmitting, in their "effort to broadcast the truth." (21-Oct-94/BBCM)

PIRATES-NORTH AMERICA A new 43 meter pirate band is being established on the low side of the 41 meter ham band. The frequency range to check should be between 6940 and 6970 kHz. Already one station, the Monitoring Times spoof station, *WLBG/We Love Bob Grove*, was heard in lower side band on 6965 kHz on October 22nd. (Lobdell)

Our "pirate of the month" is *WREC/Radio Free East Coast*. *WREC* began operations in late 1992 but was silenced due to transmitter problems until the Spring of 1993. Since then, station op P.J. Spax has broadcast a number of shows, using his Viking II transmitter. Programming consists both of music and comedy. He's also relayed such Europirates as *Laser Hot Hits* and *Radio Marabu*. Reception reports to: Box 452, Wellsville, NY 14895. Pirates who want your profile listed here should contact Chris Lobdell.

PIRATES-PACIFIC *KIWI Radio* has another new address: Graham Barclay, Box 3103, Onekawa Napier, NEW ZEALAND. Graham wants all mail addressed to him and not to *KIWI*. He is also compiling a tape featuring bits and pieces of any land or ship based free radio station programming he can get his hands on. Contact him at the above address if you're interested in helping him with this project. (04-Oct-94/Rob Keeney/SW ECHO). Onekawa is simply a suburb of Napier; he hasn't moved from his original location. The earlier PO Box 3174 is still OK for the time being, but is being phased out. The new box is a bigger one, due to the large volume of mail that *KIWI* is receiving, particularly from North America. The 'visit' from the NZ broadcasting authorities mentioned by J. Marks of *MEDIA NETWORK* happened a month ago, and was followed up by an official letter. However, no action was taken and *KIWI* is still on the air. Unfortunately, today the transmitter is down due to a blown power supply. Graham plans to keep broadcasting. His newest project is a simultaneous blast from four transmitters. (09-Oct-94/Patrick McDonald-AUSTRALIA/SW ECHO)

PUBLICATIONS *ASK DX* is the publication of the Russian DX League. It is published in two versions. A monthly edition in Russian and a bi-monthly edition in English for foreign readers. It is a useful source of station addresses and verification signers. Cost is \$1.00 per issue. Register your letter in a well hidden envelope and send it to: Anatoly Klepov, ul. Tvardovskogo 23, kv.365, 123458 Moscow, Russia. (Play DX #802)

DX Propagation for Beginners and *DX Tips for Beginners* are free booklets issued by *KNLS*. Send return postage (2 IRCs overseas) to *KNLS*, Anchor Point, AK 99556. Mention you heard about the books via Australian DX News. (Sep-94/ADXN)

THERE! Have your bifocals cracked yet? Hmmm..I'll just have to try harder. Ya know, this might be a good time for a nap. Me, I'm off to soak my aching hands in Palmolive. See you all in 30.

QSL Reports



Sam Barto
47 Prospect Place
Bristol, CT 06010

ARMENIA: Armenian Radio - Araks Radio Agency 11920 f/d white paper cd. in 152 ds. for 1 IRC. v/s Levon Ananikian, General Manager. Addr: 5 Alek Manougian St., Yerevan 25, Rep. of Armenia. (Brouillette-IL).

ASIATIC RUSSIA: Radio Moscow 9885 via **Petrovavlovsk-Kamtchatsky** f/d "Kosmos Hotel" cd. in 5 wks. (Barto-CT).

BANGLADESH: Radio Bangladesh 15195 f/d "Boat on River Against Sunset" cd. in 3 1/2 yrs. on my 7th try. for \$1.00. v/s Md. Ramizuddin Bhuiya, Senior Engineer. (Durden-GA).

BHUTAN: BBS 5025 f/d prepared cd. in 36 ds. for ms. v/s Thinley Dorji, 2nd Secretary, Permanent Mission of the Kingdom of Bhutan to the United Nations. VIC #205. (Wilkins-CO).

BOLIVIA: Radio La Palabra 4732.5 f/d ltr. in 74 ds. for a SP rpt. and * \$1.00. v/s Fr. Yosur Arketa. (Wilkins-CO). **Radio Santa Cruz** 6135 f/d ltr. w/ schedule, sticker and pennant in 31 ds. for a taped rpt. and \$1.00. (Yamada-NM).

BRASIL: Radio Rural de Santarem 4765 f/d prepared cd. in 22 ds. after a f/up rpt. in PT w/ \$1.00. Small sticker was rcvd. v/s Joao Elias Brasil Bentes, Gerente Geral. (Wilkins-CO). 4765 f/d personal ltr. in 37 ds. for a PT rpt. and \$1.00. Sticker was rcvd. (Brouillette-IL).

BURUNDI: RTNB 3300 prepared cd. w/ very friendly ltr. in 23 ds. for \$1.00. This was on my 5th try for an 88 log. v/s Frederic Havugiyaremye, Journalist... who says that all rpts. should be directed to the Technical Director.

CANADA: Radio Korea 9650 via **RCI Sackville** f/d "Special (Wilkins-CO) QSL on the 600th Anniversary of Seoul" cd. for reception of both "DX Report Edition 100" and the special "relay" of the **Samoa Broadcasting Service**. This was in 151 ds. Also rcvd. pin and schedule.

CELEBES: Radio Republik Indonesia 4754 **Ujung Pandang** prepared cd. in 1 yr. after a f/up rpt. (Mann-NE). (Hardestern-CO).

EUROPEAN RUSSIA: Radio Moscow 9530 and 9765 2f/d cds. of the "Kremlin" and "Pushkin Monument" in 70 ds. for \$1.00. Schedule was rcvd. (Brouillette-IL). 15140 via **St. Petersburg** f/d cd. via GPR-2 in 64 ds. for 2 IRCs. Also rcvd. schedule w/ pocket calendar. Said that this was rpt. #6 from the USA! (Flynn-OR).

La nueva Radio
LIBERTAD
790 KHz O M 5005 KHz O C 60 MTs

TELEF. 385154-381591-383089

QSL

Verification Card

Station RADIO SIMBU "KARAI BILONG MAMBU"

For your concern with our station, we are very grateful with you

Thank you for your reception report. We are pleased to verify your reception of our transmission on 4th December 1985 from 22:37-23:00 hours 90 p.m. on 3355 kHz. with a power of 10 Kilo watts.

You
John at this moment we cannot produce your
Official Seal, but we believe you will be
satisfied with a replied letter and this QSL card
X You're kind. Regards.

Official Seal

G. PAIMO Fk Tech: Radio Simbu

for a SP rpt. and \$1.00. v/s Victor Antonio (Tito) Handal. Also rcvd. sticker and banknote. (Wilkins-CO).

GREECE: Voice of Greece

9380 f/d cd. w/ sked. in 88 ds. for 1 IRC. (Yamada-NM).

HAWAII: KWHR 17510 f/d cd. of "Satellite, Antenna, Globe and Map" in 69 ds. for ms. v/s Loren Holycross. (Brouillette) 9930 same in 80 ds. for ms. (Mann-NE).**HOLLAND: Radio Nederland**6020 via **Flevo** f/d "Tulips" cd. in 37 ds. for 1 IRC. (Brouillette)**HONDURAS: Radio Internac-****ional** 4930 f/d "Copan Ruins" cd. in 33 ds.

VERIFICATION SIGNERS: Radio Cairo 9990 Mrs. Magda Hamman. **Radio Melodia** 6045 Miss Graciela Rodriguez, Asistente de Gerencia. **Radio Federacion Shuar** 4960 Agrotequario Manuel J. Vinza, Director de Radio. **Radio Jesus del Gran Poder** 5050 Padre Jorge Enriquez. **La Voz del Napo** 3280 Ramiro Cabrera, Director. **Radio Monte Carlo** 9595 Segr. Deborah Ibarra. **Radio Dushanbe** 4635 Raisa Muhatdinova, English Section Secretary. **Radio Moundou** 5286 Mr. Dingamoudji N'Gana Esaie, Radio Services Technician. **Radio Continental** 4940 Ing. Santiago San Gil Gonzales, Locutor Professional.

4930.6 same cd. in 43 ds. for a SP rpt. and \$1.00. The station also advised me that this is the same station that I QSLed in 1980 on 2676 khz. (MW harmonic). At that time the ID was **Radio El Mundo** and **La Voz de La Costa** (Durden-GA). **HRVC** 4820 f/d ltr. in 33 ds. for \$1.00. (Yamada-NM).

INDIA: All India Radio 4860 via **Delhi** f/d "Ceremonial Elephant" cd. in 210 ds. for \$1.00. The dollar was returned via the Indian Embassy in Washington DC!!! (Durden-GA). (Grant-NC).

ISRAEL: Kol Israel 15640 f/d cd. w/ program schedule in 2 mo. for 1 IRC.**KENYA: Radio Kenya** f/d prepared cd. w/ ltr. in 4 tries after sending them ms. w/ a taped rpt. in 582 ds. v/s Henry Makhoka. (Mann-NE).**MALUKU: RSPDT2 Maluku Tengah** 3578 f/d prepared cd. w/ p/d ltr. in 35 ds. * after a f/up rpt. in IN for \$1.00. v/s Toto Pramurahardjo, Kepala.Addr: Jalan Pattimura, Masohi, Maluku Tengah, Indonesia. (Wilkins-CO). **MOROCCO: VOA** 15410 via **Briech** f/d "Greenville" cd. in 11 ds. Sticker was rcvd. (Hardester-NC).**MYANMAR: Voice of Myanmar** 4725 p/d ltr. in 330 ds. for a taped rpt. and * SASE to their Embassy in DC. (Klinck-NY).**NEWFOUNDLAND: CKZN** 6160 f/d cd. w/ frequency list in 7 mo. v/s Shawn Williams. (Shepard-CT).**NEW ZEALAND: Radio New Zealand International** 15115 f/d "Kea Bird" cd. w/ schedule, tape, catalog and tourist info. in 26 ds. for 3 IRCs. (Brouillette-IL).**NEW ZEALAND: Radio New Zealand International** 15115 f/d "Kea Bird" cd. w/ schedule, tape, catalog and tourist info. in 26 ds. for 3 IRCs. (Brouillette-IL).**NEW ZEALAND: Radio New Zealand International** 15115 f/d "Kea Bird" cd. w/ schedule, tape, catalog and tourist info. in 26 ds. for 3 IRCs. (Brouillette-IL).**NEW ZEALAND: Radio New Zealand International** 15115 f/d "Kea Bird" cd. w/ schedule, tape, catalog and tourist info. in 26 ds. for 3 IRCs. (Brouillette-IL).**NEW ZEALAND: Radio New Zealand International** 15115 f/d "Kea Bird" cd. w/ schedule, tape, catalog and tourist info. in 26 ds. for 3 IRCs. (Brouillette-IL).**NEW ZEALAND: Radio New Zealand International** 15115 f/d "Kea Bird" cd. w/ schedule, tape, catalog and tourist info. in 26 ds. for 3 IRCs. (Brouillette-IL).

The hot babe station...

K
M
O
M

via Lobdell



with Samantha Jones...a babe with an attitude!



QSL # 1

To: E. lobdell

Yes! You experienced V.C.V.

broadcast #

1 on:

Date: 7-16-94

Time: 0200 UTC

Freq: 7385 kHz

AM(USB)LSB CW

For your info:

Xmit: A big one

Pwr: A lot

Ant: A long one

Txn fr rpt!

ANOTHER SATISFIED KICK LISTENER

© 1985 KICK Enterprises and Distributors

We require your registration report
Ed Rausch
Cedar Grove
New Jersey
U.S.A.

Date: Saturday 21 July 90
Time: 0430-0515 UT
Freq: 15125 KHz - 3db reduced
Carrier from Darwin - X
Site with Power of 250 kW

Ed.
Thanks for your
recording of our broadcast
from Darwin experimental
TX.

RADIO AUSTRALIA
PERTH/STATION ROAD
WESTERN AUSTRALIA

A. Schell
Asst. Transmission
Manager

Stations

C Canberra 4741/20545
D Darwin 10718/12715
E Melbourne 19325/12705
F Brisbane 17221/12705

L Perth
M Perth
N Perth
O Perth
P Perth
Q Perth
R Perth
S Perth
T Perth
U Perth
V Perth
W Perth
X Perth
Y Perth
Z Perth

RADIO AUSTRALIA THE WILDERNESS SOCIETY

PERU: Radio La

* Oroya 4905
f/d prepared
cd. w/ 4 page
ltr. and station
pennant
in 32 ds. for
a SP rpt. and
\$1.00. v/s
Jacinto Manuel
Figuerola, Gerente
(Wilkins-
CO). Ondas del
Suroriente
5068.7 first

time sent a n/d aerogramme ltr. w/ embossed colorful Peruvian artifacts and scenes. v/s Roberto Challico Cusiuhualpa, Program Director. I sent a f/up rpt. w/ a Michael Jackson tape (per Roberto's request)

NOTES: Adie Durden says that more than 30 f/up rpts have been sent out in the past month. Most of these were to Peru and Bolivia. The Senior QA DXer continues to evade this DXer by 1 QSL: David Grant is a new member of NASWA. It is his best source for up-to-date shortwave information. Steve Martin says that the farm work is starting to slow down and with any luck the DX will be picking up. Hope so. John Warren sent in some QSLs with his first report. I hope to see more from you in the future...Sam.

and rcvd. a more detailed verie ltr. He said that the station responds to very few rpts. due to the bad economic situation. (Durden-GA).

RUSSIA: Radio Moscow 9895 f/d cd. w/ schedule in 63 ds. (Yamada-NM).

SLOVAKIA: Slovak Radio 7310 via Velke Kostolony f/d cd. w/ site in 280 ds after a f/up rpt. w/ \$1.00. (Flynn-OR). 9810 f/d "Map" cd. in 23 ds. (Mann-NE). 5930 f/d cd. in 25 ds. (Paszkiewicz).

SOUTH AFRICA: Channel Africa 9695 f/d cd. in 48 ds. for 1 IRC. (Yamada).

SWEDEN: Radio Sweden 9810 f/d "Stockholm" cd. in 13 ds. for 1 IRC. (Brou-

SYRIA: Radio Damascus 12085 f/d cd. in 616 ds. for \$1.00. illette-IL). rcvd. via registered mail Also rcvd. the Syrian Times, sticker, sked., and a small Syrian flag. (Comeau-MA). 15095 f/d "Globe" cd. in 337 ds. for 2 IRCs. Also rcvd. sticker and schedule. (Brouillette-IL).

TAIWAN: Voice of Free China 11745 f/d cd. w/

Radio HRET

Misión La Mosquilla, Puerto Lempira, Dept. Gracias a Dios, Honduras, CA
4960 KHz, Banda 60 Metros, Ona. Corta, 7-9 A.M. y 7-9 P.M.

schedule and sticker in 63 ds. (Yamada-NM).

TURKEY: Voice of Turkey 9445 f/d cd. w/ sticker

and schedule in 55 ds. for a taped rpt. and 1 IRC. (Yamada-NM).

UKRAINTAN REP: Radio Moscow 15355

via Starobelsk f/d cd. w/ personal ltr. from Mrs. Eugenia

Stepanova in 71 ds. (D'Angelo).

USA: WRMI 9955 f/d cd. w/ sticker

and sked. in 64 ds. for ms. v/s Jeff White. (Wilkins-CO).

USA (Pirates): KICK 7385 f/d cd.

in 52 ds. for 3 ms. (Comeau).

WYDX 3880 f/d info. sheet in 93 ds. for 3 ms. (Comeau-MA).

VATICAN: Radio Vaticana 7305 f/d

cd. w/ schedule in 53 ds. for 1 IRC. (Yamada-NM).

WEST BERLIN: Deutschlandfunk

* Radio 6005 f/d "RIAS Bldg." cd. in 89 ds. for \$1.00. (D'Angelo-PA).

Where is everyone! I know your out there. Get those reports into the Column. Best of QSLing.....Sam.

8 Agosto, 1994

Estimado Oyente, Richard D'Angelo

Recibamos antes de todo nuestros mas sinceros y cordiales saludos del personal entero de Radio HRET.

Somos: Delmar Brown (locutor, operador y productor), Tito Sami Martinez (locutor y operador), Roberto Gostas Kramer (grabaciones nuevas), Mateo McCollum (gerente general).

Estamos muy contentos de que hayas captado la señal de nuestra emisora cristiana, Radio HRET, hasta estas lejanas tierras.

Incluido está tu certificado de sintonía.

Esperamos que sigas sintonizando en el horario de 7-9 A.M. y 7-9 P.M. hora local de Honduras. Nuestro deseo es que estas programas te ayuden a conocer mejor Jesucristo, a quien está dedicado nuestras vidas y servicio.

Que el Señor derrame muchas bendiciones a ti y tu familia a través de tu fé en El.

Atentamente,

Mateo McCollum

Mateo McCollum
Gerente General

Tropical Band Loggings

2000-5900 kHz

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



MIKE RYAN advises that Radio Thailand no longer uses 4830, so X that off the EG broadcast list I gave you awhile back.

- 1035 CARIBBEAN AIR 10/1 0202* Creole ID, mx, chimes (Alexander-PA)
1619.9 USA WNZE-Roosevelt Isl TIS 9/16 0200 tape loop (Alexander-PA)
2325 AUSTRALIA CAAMA R 9/24 1015 Sinatra //2310, 2485 (Lawrence-NY)
3200 SWAZILAND TWR 9/18 0330 hymns, lang preaching (Lawrence-NY)
9/15 0430 rel in lang, tent ID, poor (Davenport-TN)
3220 SOUTH AFRICA Channel Afr 9/3 0310 ID, cmtry (Davenport-TN)
3222.2 TOGO Kara 10/11 2358 FR ID, nx, NA to 2304* (Brown-MO) 0535
FR hilife mx, IDs, rooster, dog bark (Urbelis-NY)
3230 SOUTH AFRICA SABC lcl & West pops, IDs (Klinck-NY)
3255 LESOTHO BBC 10/12 0344 EG Network Afr //6005/9600 (Lamb-NY)
3260t NEW GUINEA R Madang poss EG, PNG mx (Klinck-NY)
3270 ECUADOR Ecos del Oriente 1005 IDs, Andes mx, RTTY (Urbelis-NY)
3270 NAMIBIA NBC 9/7 0321 mx, tent ID (Davenport-TN)
3275t PAPUA R Southern Highlands 9/9 1404 anthem, mx (Flynn-OR)
3277 KASHMIR Srinagar 9/1 ID, 1530 EG nx //15 others (Ryan-THAILAND)
3280 ECUADOR LV del Napo 0950 IDs, anmts, Bible pgms (Urbelis-NY)
9/27 1000 ID, atenciones, buenos dias Sta Maria (Robinson-TN)
9/10 1014 rel pgm, IDs, fair (Klinck-NY)
3289.9 ECUADOR R Centro 9/18 1024 tlk over ute QRM (Brown-MO)
1010 tlk, info, TC, IDs (Urbelis-NY) 10/1 1031 tlk, ID, ment
Quito (Klinck-NY) 9/11 0535 anmts, ads, HC mx, ID (Alexander)
3300 GUATEMALA R Cultural 9/11 0140 rel tlks, mx, ID (Davenport-TN)
3315 ADM ISL R Manus 9/18 1050 PD tlks, choral hymns (Lawrence-NY)
9/18 1150 EG pops, tribal chant, ID, nx (Lyon-MN) 10/1 1028
EG/PD ID, lcl mx (Klinck-NY) 9/14 1125 island mx, tent ID,
faint (Davenport-TN) 9/5 1125 PD/EG tlks, C&W, ID, birds, drums
another ID (Newbury-NE)
3315 INDIA AIR 9/18 0025 IS weakly, pres Bhopal (Berg-MA) 10/9
0015 pres w/Indian mx (HATDX)
3325 BRAZIL R Liberal 0510 pops, IDs, ads, anmts (Urbelis-NY) 9/17
0516 Braz pops, romantic vcls, fast tlk, IDs, FC (D'Angelo-PA)
3325 GUATEMALA Maya 10/16 1100 ID Onward Christian Soldiers
(Robinson-TN) 9/30 1049 ID, mx, f-p (Klinck-NY) 9/11 0158
tlks, ID, strings, marimbas (Davenport-TN)
3325 NEW BRITAIN R North Solomons 9/14 1046 ment Bougainville(Daven)
3326 NIGERIA RN Lagos 9/16 2256 vcls, nx, ID, NA 2305* (Brown-MO)
3335 NEW GUINEA R East Sepik 9/24 1105 PD tlks, island mx (Lawrence)
3340 PERU Altura 9/18 1026 sport event, TC, echo ID (Brown-MO)
1010 Andes mx, ID, anmts QRN/QSB (Urbelis-NY)
3345p INDIA Jaipur 10/9 0020 W tlk in lang (HATDX)
3355 NEW GUINEA Simbu 9/18 1140 ID, pops, TC, tlk (Lyon-MN)
3356 BOTSWANA RB 9/27 0259 IS, anthem, tlk, Fairest Lord Jesus
(Lawrence-NY)
3360 GUATEMALA LV de Nahuala 9/11 0208 tlk, marimbas, rds (Daven.)
3365 NEW GUINEA R Milne Bay 9/17 1135 EG C&W, TC, promos (Lyon-MN)
3366 GHANA 9/12 2230 EG cmtry, big sig alone on band (Rippel-NC)
9/13 2308 EZL mx, TC, Radio 2 ID (D'Angelo-PA)
3374.9 ANGOLA RN 9/17 0508 mx, tlks, ID, ment Luanda (Klinck-NY)
3375 BRAZIL R Clube Dourados 9/9 0214 pop/rock, IDs (Klinck-NY) 9/11
0246 polka type mx, anmts (Davenport-TN)
3375 BRAZIL RN Sao Gabriel 9/17 0911 pops, IDs, cuckoo (Lamb-NY)
3380 GUATEMALA Chortis 9/24 0322 mx, ads, IDs, etc (Klinck-NY) 9/11
0255 folk mx, weak, ID (Davenport-TN)
3380.8 MALAWI MBC 9/14 0415 tlk, mx, partial tent ID (Davenport-TN)
3385 NEW BRITAIN RENB 9/17 1040 PD, BJ Thomas, pops (Lawrence-NY)
3509 UNID 9/13 tlk in lang, strings, weak (Orr-VA)

3631.5 INDO unid 9/17 1402* vcls, tlk, Vaya con Dios (Flynn-OR)
 3905 NEW IRELAND RNI 9/13 1042 whistling, EG ID, strong (Orr-VA)
 3925 JAPAN R Tampa 10/11 1514 tlk/variety pgm, ID (Robertson-CA)
 3945 JAPAN R Tampa 9/3 1146 JP pop mx pgm (Grenier-NV)
 3986.7 IRIAN JAYA Manokwari 9/22 1131 chants, IDs (Brown-MO)
 4010 KYRGYZSTAN Kyrgyz R 9/28 1735 tlk, IS, ID, clas mx 1900* (Ryan)
 4460.9 PERU R Norandina 9/11 0442* tlk, mx, ment Norandina (Alexander)
 4485.1 PERU LV de Celendin 9/11 0457* OA mx, campo mx, NA (Alexander)
 4505 PERU Horizonte 10/16 1000 ID, huaynos, recuerdos (Robinson-TN)
 4600 BOLIVIA Perla del Acra 9/16 0935 CP mx, anmts, fair (Alexander)
 4632.4t BOLIVIA Guayaramerin FM 0319 anmts, ballads (Alexander-PA)
 4712.8 BOLIVIA Abaroa 10/8 2339 wild tlk, poor, tent (HATDX) 9/23 1001
 ID tlk, fade (Klinck-NY)
 4732.5t BOLIVIA La Palabra 10/9 0015 vcls, just above QRN (HATDX)
 4760 ECUADOR Emisora Atalaya 9/17 0341 mx, ID 0346* (Klinck-NY)
 4760 SWAZILAND TWR 9/27 0257 EG/lang IS, IDs, gospel mx (Lawrence)
 4763v UNID 9/12 2143 LA mx & ads, ute QRM (Rippel-NC)
 4765 BRAZIL R Rural 1000 pops, IDs, ads, anmts (Urbelis-NY)
 4765 BRAZIL Integracia 0321 mx, tlk, ID, anmts (Klinck-NY)
 4765 CONGO RTV Congolaise 10/6 0508 FR nx, ID, bumper mx (Lamb-NY)
 0500 nx, info, hilife mx (Urbelis-NY) 9/28 0428 FR IDs, sev
 ment Brazzaville, Afropops (Klinck-NY)
 4775 INDIA Imphal 9/11 1140 Hindi pgm, xmtr probs (Ryan-THAILAND)
 4775 PERU Tarma 9/9 0316 vcls, echo anmt (Flynn-OR) 9/17 1016 tolk
 mx, TC, "Alegre Amanacer" greets (Happy Dawn). At 5:19 lcl time
 obviously this man is demented, hi! (Moore-IA)
 4777.1 IRIAN JAYA Jakarta 9/15 1058 SCI, nx, vcl, tlk (D'Angelo-PA)
 4785.6 COLOMBIA R Super 9/4 0958 IDs, FC, nx (D'Angelo-PA)
 4790 PERU Atlantida 10/1 ID, rooster, musica y melodias (Robinson)
 9/10 1011 anmts, vcls, echo ID (Davenport-TN)
 4799.5 GUATEMALA Buenas Nuevas 9/4 0145 mx, tlk, Mayan flavor (Daven.)
 9/11 0330* tlk, chorus, IDs, organ (Alexander-PA)
 4800 LESOTHO R Lesotho 9/17 0407 Sesotho tlk, mx, IDs (Klinck-NY)
 4805 BRAZIL Rd Amazonas 9/1 0030 pops, echo anmts (Davenport-TN)
 4810 PERU San Martin 1000 Andes mx, IDs, ads, TC (Urbelis-NY) 9/10
 0950 OA mx, anmts, TCS, IDs (Klinck-NY) 9/20 1044 pop mx, IDs
 el ritmo de la mañana, fair (Moore-IA)
 4810 SOUTH AFRICA R 2000 9/8 0045 EZL, no anmts (Bickus-VA) 9/3
 0414 EG/AK pop mx, tlk (Grenier-NV) 9/12 2120 tlks, Black
 Magic Woman (Rippel-NC) 9/14 0115 EZL mx, good (Davenport-TN)
 8/31 0221 continuous EZL, still easy on the ears (Levison-PA)
 4820 HONDURAS HRVC 8/29 0340 EG rel tlk & mx (Grenier-NV) 9/2 0145
 Revival in America pgm (Davenport-TN)
 4822.6 UNID 9/12 2125 10 min of AR chants, ute QRM (Rippel-NC)
 4824 PERU LV de la Selva 9/21 0300* pops, disco, ID, NA (Lamb-NY)
 1005 ads, IDs, anmts, Andes mx (Urbelis-NY) 9/23 1011 lcl mx
 TC, IDs, anmts (Klinck-NY)
 4825 BRAZIL R Educadora 9/10 0855 kids sing, rel mx, echo anmts,
 TC, ID (Davenport-TN)
 4829.5v MAURITANIA ORTM 10/2 0640 Koran, good (Alexander-PA)
 4830 BOTSWANA RB 8/31 0520 lively mx, sev IDs (Grenier-NV) 9/19
 *0251 IS, mix w/Tachira, //7255 u/RFE, NA, ID (D'Angelo-PA)
 9/17 0359 tlk lang, Afr pops, IDs (Lawrence-NY) 10/2 0640
 singing, short tlk, ethnic mx (Lyon-MN) 9/15 0440 ID, nx in
 lang, cmtry (Davenport-TN)
 4830 VENEZUELA R Tachira 10/5 0150 Amenidades Musicales, merengue
 info on black magic, Slender Med Ctr ad (Bickus-VA) 9/15
 0156 rapid tlk, ID, ads, QTH, xmtr hum (Jordan-PA) 9/17 1031
 tlks, promos, TC, LA mx, ID (Davenport-TN) 9/25 1008 ads,
 farmacia en turno ads (Moore-IA)
 4835 GUATEMALA Tezulutlan 10/5 0205 orch, marimba, anmts (Bickus)
 9/3 0231 rel instls (Davenport-TN)
 4835 PERU Maranon 1002 NA, ID, kcs, MOR mx (Urbelis-NY)
 4840t CHINA CPBS Heilongjiang 9/29 1130 CH tlk, mx (Klinck-NY)
 4840 INDIA Bombay 9/11 0055 SC mx, YL anncr (Kohlbrener-PA)
 4840 PERU R Andahuaylas 10/6 1044 end of nx, ID, folk mx (Moore-IA)
 4845t MALAYSIA RTM 9/19 1112 Muslim Koran, tlks, not AR (Lawrence)
 4845 MAURITANIA ORTM 10/1 0728 AR mx, tlks, presumed (Lamb-NY)
 4855 BOLIVIA Centenario 1000 IDs, mx, info (Urbelis-NY) 9/16 1017
 rustic CP vcls, TC, IDs, chit-chat (D'Angelo-PA) 9/17 1042
 anmts, vcls, tent ID (Davenport-TN)
 4855.4 PERU La Hora 9/13 1008 anmts, huaynos, TC, ID (Orr-VA) 9/23

1019 OA mx, tlk, tent ID (Klinck-NY)

4860 ECUADOR Federacion 9/20 to 0305* ballads, ID, sked (Jordan-PA)
 9/19 2350-0303* health pgm, pops, ballads, IDs (Rausch-NJ)
 9/21 0302* romantic vcls, IDs, ment Ecuador (D'Angelo-PA)
 9/10 0104* Indian tlk, strange vcls, march mx (Alexander-PA)

4860 VENEZUELA Maracaibo 9/20 0155 tlks, QRN (Newbury-NE) R U sure?

4865p BRAZIL Alvorada 10/1 0738 BeeGees, poss ID, Sao Paulo (Lamb)

4874.6 IRIAN JAYA Sorong 9/13 1110 booming in w/lagu pops, ID, I think
 it's called langgam jawa w/hvy AR influence (Orr-VA) 9/17 1330
 SCI, ment Indo place names, vcls (Flynn-OR) 1125 OM hosts mx
 pgm, best Indo on 60m (Lawrence-NY)

4875 BRAZIL Rdf Roraima 9/17 0930 ment Brazil, ID tent (Kaminsky-NJ)

4880v BANGLADESH RB 9/16 1500 EG nx, cmtry (Ryan-THAILAND)

4880 BRAZIL Rdf Acreana 9/13 0925 canned IDs, ads (Orr-VA) 9/25 0958
 s/on ID, fair (Moore-IA)

4880t ECUADOR RN Espejo 9/10 1026 tlk, vcls, tent ID (Davenport-TN)

4881.7 PERU R Nuevo Mundo 9/17 0956 folk ballads, partial ID (Daven.)

4884.3 COLOMBIA Ondas del Meta 9/25 0155 tlk, ID, Super promos, gone
 at 0212 recheck (Alexander-PA)

4886.6 PERU R Villa Rica 9/13 1032 SP/Quechua TC, ID, mx (Orr-VA)
 9/30 1043 mx, IDs, TC, ads (Klinck-NY)

4890 GABON RFI 9/15 0456 FR tlks, RFI sig tune (Davenport-TN)

4890 PAFUA NBC 9/30 1100 6TP, ID, nx, pops (D'Angelo-PA) 9/25 1115
 EG mx, rpts on evacuations (Lawrence-NY) 10/2 1043 EG In the
 Ghetto, etc, nx, IDs (Klinck-NY)

4895 COLOMBIA LV del Rio Arauca 9/17 0930 ballads, Caracol (Daven.)

4895 SARAWAK Kuching 9/9 1358 poss nx, ment Kuching (Greiner-NV)

4904.8 PERU La Oroya 9/16 1010 tlk, OA mx, huaynos, pres (Alexander)

4905 CHAD RMT 10/11 2104 FR nx, ID, public affairs pgm (Lamb-NY)
 9/18 0450 hilife, FR tlk (Alexander-PA)

4910 ZAMBIA ZNBC *0249 IS, NA, IDs, nx, hilife (Urbelis-NY) 9/7
 *0245 anthem, tlk lang (Rippel-VA) 9/29 0248 IS, choral anthem
 lang tlk, drums (Lawrence-NY) 9/25 *0236 IS, tlks (Alexander)

4915 GHANA GBC 9/8 to 0100* EG FC, chorus, ID, QRN (Bickus-VA) 9/12
 2048 Afr mx, tlks lang (Rippel-NC) 9/18 2315 Hausa tlk, EG IDs
 good (Klinck-NY) 9/11 0055 mx, ID (Davenport-TN)

4915 PERU Cora 9/23 0300 OA mx, ID, ads, politics (Jordan-PA) 1000
 Andes mx, anmts, ads, IDs (Urbelis-NY) 10/1 1030 ID, ment Cusco
 mx, NA (Robinson-TN)

4924.6v BOLIVIA San Miguel 9/16 0935 tlk, ID, CP mx, unstable (Alex.)

4925t SUMATRA Jambi 9/24 1148 IN & West pops, SCI, nx (Brown-MO)
 7/12 1500 ID, nx, NA 1515, abrupt off (Frodge-INDO)

4930 HONDURAS R Internacional 9/17 0415 rumbas, QTH, PSA, ads
 (Bickus-VA) Hi Julianna 9/21 0035 all tlk, Q&A, IDs, QRN, QSB
 (Jordan-PA) 10/1 1130 ID, nx, tlk abt Cuba, ads (Lyon-MN) 9/3
 0200 tlk, addr, ads, TC, good w/hum (Davenport-TN) 9/10 0445*
 pops, ballads, IDs, ads, jingles, fair (Alexander-PA)

4931.6 CHINA Honghe PBS 9/11 1359 TP, CH mx, emotion tlk (Flynn-OR)

4940 INDIA Guwahati 9/9 1530 ID, EG nx, Hindi clas mx 1740* (Ryan)

4950 ANGOLA RN 10/12 0359 pops, ID, Afr nx, tlkg drum (Lamb-NY)
 0210 info, IDs, pop, hilife //3375 (Urbelis-NY) 9/1 2255 PT
 jazz mx bridge, ID, EZL (Rausch-NJ) 9/20 0506 mx, IDs (Klinck)

4955 PERU R Amauta 9/10 0906 Quechua tlk, folk mx, tent ID (Daven.)

4960 DOM REP Cima 9/21 0130 tlk/mx, jingles, IDs, ads (Jordan-PA)

4960 HONDURAS HRET 0205 LA mx, IDs, Bible tlk (Urbelis-NY) 9/24
 0126 rel mx, tlk, ID (Klinck-NY) 9/10 0315* SP/Miskito ballads
 rel tlk, chorus, fair (Alexander-PA)

4960 VIETNAM Vov 9/21 1210 VT nx, IDs, EZL, EG lesson (Ryan-THAILAND)

4965 BRAZIL Alvorada 9/16 0236* fast tlk, mx, ID, addr (D'Angelo-PA)
 9/9 0207 futbol ment Maradona, poss RN relay (Frodge-MI)

4965 PERU San Miguel 9/25 1001 carnival type mx, poor (Moore-IA)

4970 INDIA Shillong 9/13 1600 EG ID, featured Al Martino (Ryan)

4970 VENEZUELA Rumbos 9/24 0145 pops, IDs, QTH (Jordan-PA) 9/17 1001
 tlks, bells, ID, TC (Davenport-TN)

4975t BRAZIL Timbira 9/9 0155 rel pgm, jingles, IDs, ads (Frodge-MI)

4980 VENEZUELA Ecos del Torbes 9/15 0105 ballads, IDs, promos, ment
 Valera, Barinas (Jordan-PA) 0900 Espectador pgm, ID 0959
 (Davenport-TN) 9/1 0230 mx, EG ID, calls ltrs (Levison-PA)
 9/20 0150 promos, ads, anmts, good (Newbury-NE)

4990 INDIA AIR Madras 9/7 *0000 ID, SC mx, improving (Kohlbrener-PA)

4990 NIGERIA RN 9/1 2306* nx, ID, RN One, FC, anthem (D'Angelo-PA)

4995.8 PERU Andina 9/27 0245 marching band, Exodus, ID (Lawrence-NY)

9/25 0309* tlk, anmts, huaynos, ID, abrupt off (Alexander-PA)
 5000 AUSTRALIA VNG 8/20 ID, QTH 1045 & 1100 over WWVH (Rausch-NJ)
 5005 RIO MUNI RN Bata 10/11 2116 SP nx, ID, ment Bata (Lamb-NY)
 10/4 2110 intl nx, pol cmtry, drums, ID (Lawrence-NY)
 5010 CAMEROON Garoua 9/17 0505 EG nx, Liberia rpt, IDs (Lawrence-NY)
 9/12 0504 regional nx, Afr vcis (Kohlbrenner-PA) Tnx!
 5010 ECUADOR Esc Radiofonicas 9/10 0923 ads, HC folk mx (Davenport)
 5020 SOL ISL SIBC 9/4 1131* group sing, ID, RA nx, requests (D'Ang)
 9/25 1110 EG YL host island mx, hymns (Lawrence-NY)
 5025 BENIN Parakou 9/17 2303* FR hilife, soft rock, NA (D'Angelo-PA)
 5025 CUBA Rebelde 9/22 0101 sports, cheering (Davenport-TN)
 5026 UGANDA RU 9/17 0330 EG tlk //4976, weak (Lawrence-NY)
 5030 SARAWAK RTM Kuching 9/9 1330 W DJ pops, ID (Grenier-NV)
 5035t CENT AFR REP RTV 9/14 0440 pop, hvy percussion, ATP, poss ID
 sloop from 5040 (Hardester-NC)
 5040 COLOMBIA LV de Yopal 9/25 0810 LA pops, canned ID (Lamb-NY)
 9/19 0350 HJ lively mx, IDs, dramatic lead- ins (Jordan-PA)
 9/28 1030 buenos dias esta Miercoles, IDs, vcis (Robinson-TN)
 9/9 0427 network IDs, mx, ads, good (Klinck-NY) 9/23 0015
 anmts for pol races, trop mx, phone-ins (Moore-IA)
 5040 ECUADOR LV del Upano 8/27 0345 folk, pops, ID (Newbury-NE)
 5042.8t ANGOLA EP Benguela 10/8 2228 Afr pops, tlk lang (HATDX)
 5047 TOGO Lome 9/23 2246 echo anmts, WAF pops (Brown-MO) 9/17 0500
 FR chime IS, NA, ID, hymn (Lawrence-NY) 9/18 2322 FR clas mx
 anmts, IDs (Klinck-NY)
 5049.8 ECUADOR R Jesus 10/1 1020 rel tlk, mx, ID (Klinck-NY)
 5050 INDIA Aizawl 8/20 1558 nx, political tlk 1630* ID (Ryan-THAI)
 5055 FRENCH GUIANA RFO Cayenne 9/22 0327 mx, ID (Klinck-NY)
 5055 SWAZILAND TWR 9/3 0358 IS, ID, rel pgm (Grenier-NV) 9/6 *0356
 EG ID, 4TP, GG rel //3200 (D'Angelo-PA)
 5075 COLOMBIA Caracol 8/29 0508 nx, jingle IDs (Grenier-NV) 9/22
 0030 rapid tlk abt theater, good (Davenport-TN) 8/27 0410
 tlks, ID, good (Newbury-NE)
 5097 PERU Eco 1005 Andes/Ind mx, ads, ID, TC, hvy RTTY (Urbelis-NY)
 5685 USA WWCR 9/16 0450 Dr Gene Scott request S (Hardester-NC)

I wasn't sure how much room I'd have so here I'd like to add what DON MOORE tells us about his logging of Radio Tachira 4830. The farmacia en turno system that pharmacies use in Latin America is a wonderful model of cooperation for the general good. Pharmacies in a particular city take turns in being open on Sundays and all night. A detailed schedule shows which ones are open on a particular Sunday or all night on a particular date and gives the addr for each pharmacy. This schedule is posted in the window of every pharmacy. If someone needs medicine at an odd hour or on Sunday, they simply need go to the nearest pharmacy and check the schedule to see which is the nearest one en turno and go there.

Thank you for that interesting info, Don. Also check the details on some of JULIANNA BICKUS' logs of Latin America. Thank you for the great turnout this month. As you can see, I had to edit somewhat to fit it all in. As I write this (October 21), conditions seem to be improving on the bands. This month DX reporters from 14 states if I counted right. Also 2 foreign countries. Next deadline November 18. Happy Thanksgiving although I'm a little late with it for our Canadian readers.

One more thing before I go. Thank you BETSY ROBINSON for the neat Radio New Zealand sticker. Also thanks to MIKE RYAN for the info on DXing in Asia.

International Band Loggings

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- 5920 **CROATIA** CR in EG 0704, 1 min of EG nx & ID, f, no //s hrd (Alexander PA 10/1)
 5925 **ESTONIA** ER in EG 1915-2030*, "Estonia Today", interviews (Ryan THAI 9/19)
 5930 **SLOVAKIA** R Slovakia Int in EG *0000, nx, AID pgm in Slovakia (Bickus VA 9/8)
 5935 **TIBET** PBS Lhasa in CH 1200, pips, tlks, vcls, orch mx, //5240, 4750 (Ryan 9/24)
 5935 **RUSSIA** R Nadezhda in RS 1535-2000*, ID, pop rx, tlks, 9490 gone (Ryan 9/27)
 5945v **BOLIVIA** R Pio Doce in SP 0955, Bible pgm, sermons, hymns, ID (Urbelis NY)
 59699nf? **COSTA RICA** TIAWR in EG 1004, "Voice of Prophecy", //97249, actually this channel is reactivated rather than a new fqy (Alexander PA 9/16)
 5975 **ANTIGUA** BBC relay in EG 0435, reading, nx, ID (Robertson CA, Thompson NY)
 5975 **SO KOREA** R Korea in EG 1440, tlk on elderly people in Seoul (Grenier NV 9/13)
 5980 **CZECH REPUB** R Ropa Info in EG *0400, ID, Euro & US pops (Alexander 9/18)
 59802 **BRAZIL** R Guarujá in PT 0915, tlk, ID, pops, campo mx, g (Alexander PA 9/16)
 6005 **GERMANY** Deutsch R in GM 2246, pops, ancmts, ID, nx, f (D'Angelo PA 9/5)
 60099 **MEXICO** R Mil in SP 1100, tlk, ancmts, ads, pops, ID (Alexander PA, Lyon MN)
 6010 **CUBA** RHC in EG 0035, nx, polit cmntry, US Pastors for Peace collect donations for Cuba, rpt on effects of US's 30 yr blockade (Newbury NE, Jerris WV, McGuire MD)
 6020 **NETHERLANDS** RN in EG *2330, nx, tlk on mx, exc (Jerris WV, Thompson NY)
 6025 **DOMINICAN REPUB** R Amanecer in SP/EG 0235, relig tlk, gospel quartet, ID, fqy, QTH, into EG 0300, f w/QRM (Lamb NY 10/7)
 6025 **BOLIVIA** R Illimani La Paz in SP 0955, Andean mx, ID, lcl info (Urbelis NY)
 6035 **COLOMBIA** LV del Guiviare in SP 1000, ads, LA mx mix, ancmts (Urbelis NY)
 6040 **ANTIGUA** D Welle relay in EG 0138, youth hostels in Germany (Hardester NC 9/15)
 6040 **BRAZIL** R Clube Paranaense in PT 0814, BR pops, promos, ID, f (Lamb NY 10/1)
 6050 **ECUADOR** HCJB Quito UN Radio in SP 1031, "Mujeres en Mundo" (Urbelis NY)
 6055 **RWANDA** RR Kigali in EG 1830, req refugees return, ID, pop mx, tlk on econ situation, into lang 1720, to FR 1800, back to lang 1900, p (Ryan THAILAND 9/18)
 6060 **ARGENTINA** R Nacional in SP 0854, NA, ID, f (Moore IA 9/24)
 6070 **THAILAND** RT in Thai 1145, folk vcls, ID, police rpts, chants (Ryan THAI 9/12)
 6075 **ANTIGUA** D Welle relay in GM 0503, nx, tlks, //6085, IS, ID (Robertson CA 9/6)
 6110 **ANTIGUA** BBC relay in SP 0005, nx re Cuban refugee situation (McGuire MD 9/7)
 6135 **BOLIVIA** R Santa Cruz in SP 1000, ID, lcl info, ads, Andean mx (Urbelis NY)
 6155 **SINGAPORE** Radio 1 in EG 1425, pop & country mx, relaying FM (Grenier NV 9/4)
 6160 **CANADA** CKZU Vancouver in EG 0220, CBC pgm "As it Happens" (Grenier 9/3)
 6165 **NETHERLAND ANTILLES** R Nederland relay in EG 0015, tlk abt whales, nx (McGuire MD 9/9, Thompson NY 9/18)
 6171v **COLOMBIA** LV de la Selva in SP 1050, pop mx, fqy, ID, nx (Lyon MN 9/17)
 6180 **CYPRUS** Cyprus BCC In GK 2213, guitar IS, ID, lcl info, //9770 (Urbelis NY)
 62039v **PERU** R Cuzco in SP 1025, ancmts, ID, OA mx, huaynos (Alexander PA 10/1)
 6238 **PERU** R Estacion Yurimaguas in SP 0245-0401*, OA mx, huaynos, NA, ID, rock mx (D'Angelo PA, Alexander PA) in SP 1047, flute, echo ancmt, ID (Paszkievicz WI)
 62504 **EQUATORIAL GUINEA** RN in SP 2200*, mx, ID, NA (D'Angelo PA, Rippel VA)
 62816 **PERU** R Huancabamba in SP 0200-0307*, Campo mx, ID, f (Alexander PA 9/17)
 62992v **HONDURAS** Sani R in SP 0301*, SP/US pops, ID (Alexander PA, Frodge MI)
 65602 **IRAQ** R Iraq Int in AR 2005, AR mx mix, ancmts, ID, p (Urbelis NY) in AR 0243, wtlks by W, instr mx as background, f w/QRM (Hardester NC 9/18)
 67265 **PERU** R Satellite in SP 0004-0310, lcl mx, ads, ancmts, ID, TCs, ID pronounced "Sa tay lee tay", f-p (Klinck NY 9/10, Hardester NC 9/15, D'Angelo PA 9/4)
 6765nf? **THAILAND** Thai Meteo R in EG 1045, wx for Gulf of Thailand and vicinity, positive ID, music box IS, then into lang, f (Berg MA 9/5)
 70986 **INDONESIA** RRI Yogyakarta in IN 1350, pop US rx, interviews, g (Flynn OR 8/31)
 7115nf **INDIA** Port Blair Andaman Is. in HD *0700-0850*, subcont mx, relay Delhi nx in EG 0730 & 0830 (Ryan THAILAND 9/10) ED: The fqy rptd in last month's column was mistakenly listed as 7110) Does anyone hear this one in the US?
 7125 **SWAZILAND** TWR in EG/lang 0359, IS, ID, fast paced tlk (Grenier NV 9/10)
 7125 **ITALY** IRRS in EG 0511, relig pgm, ID, ezl pops, p w/QRM (Hardester NC 9/16)
 7125nf? **RUSSIA** Radio Atlantika in RS 0200, anmts, IS, ID, nx, mx (Paszkievicz WI 9/25)
 7130 **TAIWAN** VOFC Taipei in EG *1200, IS, ID, sked, nx, CH mx, //9610 (Urbelis NY)
 7155 **JORDAN** R Jordan in AR 1900, nx, tlks, AR mx, positive ID (Urbelis NY)
 7160 **MALAYSIA** RTM Sarawak in EG 1503, nx, ID, lcl /US rx (Frodge MI, Grenier NV)
 71902 **EQUATORIAL GUINEA** R Africa in EG 2200-2307*, ex 15190, relig pgm, s/off with ID, usual Cupertino, CA address, NA (Alexander PA 10/1)
 7240 **AUSTRALIA** RA in EG 1400, mx, nx feature, RA nx, ham QRM (Frodge MI 9/25)
 7275 **GERMANY** D Welle in Gm 0120, sels from GM operetta, ID (Newbury NE 9/18)

- 72849 MALI RTVM Bamako in FR 0710, martial mx, strumming mx, ID (Berg MA 9/4)
- 7295 MALAYSIA Radio 4 in EG 1556, pop mx, ID, ads (Frodge MI, Grenier NV 9/5)
- 7300nf SLOVAKIA RSI in EG 0058, ex 7310, IS, ID, nx, //5930, 9810, P-p (Lamb NY 10/14)
- 7305 VATICAN STATE VR in EG 0255, tlk re Pope's visit to Croatia (McGuire MD 9/13)
- 7335 VATICAN STATE VR in EG 0143, features, choir, ID (Paszkievich WI 9/24)
- 7355 ALASKA KNLS in EG 1318, cmntry re AK, move to 7365 @ 0500 (Frodge MI 9/18)
- 7385 MONACO TWR in EG 0845*, rel pgms, p til 0800 when RFPI* (Alexander PA 10/2)
- 7405 CHINA CRI Jinhua in EG 1323, "China Scrapbook", ID, f (Frodge MI 9/25)
- 7440 RUSSIA Golos Rossii in RS 1900, IS, ID, nx, tlk (Ryan THAILAND 9/30)
- 7480 CHINA Swiss R relay in EG 0105, world nx, cmntry re Rwanda, p (Frodge MI 9/18)
- 9126v UNIDENTIFIED Stn w/Koran chants, , AR mx 2232* (Alexander 9/23, Ruppel 9/12) plenty of UTE QRM rptd by both who thank Hans Johnson for tip.
- 9200 SUDAN R Omdurman in EG 1830, tlk on agriculture in Africa, pop mx, nx, briefs, ID at 1900, into AR pgming, muddy modul (Kohlbrener PA 9/30, Ryan THAI 9/9)
- 9400usb COSTA RICA RFPI in EG 0615, tlk re Ticketmaster scandal, g (Robertson CA 9/6)
- 9400 TURKEY VOT in EG 2050*, slo-paced tlk, sked, ID, IS, f (Jordan PA 9/22)
- 9475 EGYPT R Cairo in EG 0200, ID, nx, pgm on family planning, g (Robinson TN 9/17)
- 9500 VATICAN STATE VR in Slovak? 1745, flute mx, ID, IS, f (Lamb NY 9/24)
- 9530 SINGAPORE RSI in EG 1318, pop rx w/DJ, nx (Frodge MI 9/18, Grenier NV 9/3)
- 9530 LITHUANIA R Vilnius in EG 2330*, ad for mag, ID, Lith Diary, g (D'Angelo PA)
- 9538 COSTA RICA Faro del Caribe in SP 1115, tlk, ID, rel mx, //9751 (Alexander 10/1)
- 9550 CUBA RHC in SP *1100-1200*, ID, "Cuban Campesino", mx, nx (Robinson 9/18)
- 9560 JORDAN RJ in EG 1730*, US pop mx, ID, nx, wx, inst mx, f (Alexander PA 9/18)
- 9570 NIGERIA RN Kaduna in EG 2027, rock mx, ID, interview, drums, nx, f (Lamb 10/11)
- 9570 PORTUGAL RDPI in EG 0135, cultural & polit nx, wx, sked, g (McGuire MD 9/8)
- 9580 SERBIA R Yugoslavia in EG 0005, rpt, nx, ID, rock mx, fqys, sked, IS (Lyon MN, McGuire MD) in EG 0430, nx on RS minister's visit to Serbia (Grenier NV)
- 9600 ASCENSION IS BBC relay in EG 0430, nx for African service, exc (Bickus VA 9/17)
- 9605 UNITED ARAB EMIRATES Abu Dhabi in EG 2200, ex-13605, "Holy Koran" pgm, nx, pop mx, disco, covered by D Welle s/on 2227, //9770, 11885 (Alexander PA 9/18)
- 9620 MOLDOVA R Dneister Int in EG 2130, nx, RS pops, ID, ex 11750 (Alexander 9/25)
- 9620 CHINA R Espana relay in SP 1030, tlks, flamenco mx, ID, QRM (Urbelis NY)
- 9620 YUGOSLAVIA RY in EG 2030, IS, ID, war & political cmntry, p (Jordan PA 9/23)
- 9620 CANADA CBC N Svce in EG 0320, C&W mx, ID, TC (McGuire MD, Grenier NV)
- 9630 SEYCHELLES BBC relay in PT 2030, Big Ben, nx, ID, //11820 (Lamb NY 9/26)
- 9645 THAILAND VOA relay in EG 1100, nx, Science Rpt, QRM TIFC (Urbelis NY)
- 9659v VENEZUELA R Rumbos in SP 0205, spirited mx, upbeat ancms, ID (Jordan PA 9/24)
- 9675 BRAZIL R Cancas Nova in PT 0850, relig mx, ID 0850 (Kaminsky NJ 9/25)
- 9685 UKRAINE R Ukraine in EG 0025, mailbag, dedications, ID, nx, cmntry on foreign commercial service, //9860, p (Hardester NC 9/18, Kohlbrener PA 9/15)
- 9700 BULGARIA RB in BG 0020, mx sels, mixed vcls, nx (Levison PA, McGuire MD)
- 9705 BRAZIL R Nacional in PT 0030, ID, soccer hilites, interviews, f (Bickus VA 9/8)
- 9710nf? CHINA CRI (site?) in EG 0310, tlk, ID, business nx, //9690, 11715 (Lamb NY 10/11)
- 97202 ANGOLA R Nacional in PT 0540, PT/AF pop mx, tlks, AF drums 0600, nx, //4950, 33749 both weak (Alexander PA 10/1, Lamb NY 9/16)
- 97249 COSTA RICA AWR in SP 1415, relig pgm, Christian mx, IS, ID (Alexander PA, Lamb NY, Davenport TN) in FR/EG 0700* w/test? pgm, mx, features (Lamb 10/14)
- 9735 PARAGUAY R Nacional in SP 2300-0220, political tlks, interviews, slick ID, high energy mx, ads, te (Jordan PA 10/7, Lyon MN 9/19, Davenport TN 9/11)
- 9755 CANADA RCI in EG 0210, nx, financial nx, hockey strike, wx (Jerris WV 10/5)
- 9780v YEMEN YR in EG 1802, nx alternating w/ecl pops, QTH, QRM (Ryan THAI 9/24)
- 9790 UNITED ARAB EMIRATES in AR *1700, tlks, mx, //11885, 13605 (Alexander 9/25)
- 9825f KIRIBATI RK in lang 0943*, vcls, drums, nx?, abrupt s/off (Hardester NC 9/12)
- 9830 PALAU KHBN V of Hope in lang 1135, Bible pgms, ID in EG 1200, p (Urbelis NY)
- 9830 JORDAN RJ in AR 1918, lots of Jordanian mx, tlks, //7155, g (Lamb NY 9/24)
- 9835 HUNGARY R Budapest in EG 0100, IS, fqys, sked, pol nx, ID, f (McGuire MD 9/12)
- 9860 AUSTRALIA RA in EG 0735, mx pgm w/DJ, fqys, ID, world nx, f (Jordan PA 9/18)
- 9860 UKRAINE RUJ in EG 0032, interview, "Close Up", fqys, ID, //7285 (Lamb 9/23)
- 9900 EGYPT R Cairo in EG 0015, nx, skeeds, ID, into AR 0030, vp (Jordan PA 9/19)
- 9905nf FRENCH GUIANA Swiss R Int relay in IT 0518, tlk re World Bank, site ID, QTH, "Money" song, ex-11620, g (Lamb NY 10/6)
- 9925 BELGIUM RVI in FL 2007, sports nx, headlines, ID, into SP 2030, F-g (Lamb 9/24)
- 9930 HAWAII KWHR in EG 0815, "Sounds of Aloha", ID, ezl vcls, f (Hardester NC 9/18)
- 10059v VIETNAM VOV Hanoi in VT 1140, VT folk vcls, nx, //59237 (Ryan THAILAND)
- 11401usb ICELAND Reykjavik in IC 2340*, tlks by 2 M and 1W, no mx (Hardester NC 9/30)
- 11585 ISRAEL Kol Israel in HB 2105, nx(p), phone-ins, disco, ID, pips (Jordan PA 9/12)
- 11595 GREECE RSM in GK 1850, GK pops, phone tlk, ID, nx?, //9930 (Lamb NY 9/24) in GK 1020-1130 & 2000-2100, GK mx, ID, nx (Urbelis NY)
- 11610 SLOVAKIA AWR in multi-lang 2157, IS, ID, p (Moore IA 9/4)
- 11620 INDIA AIR in EG 1900, nx of plague and victims (Kohlbrener PA 9/30)
- 11625 VATICAN STATE VR in FR 2039, Afr church mx, ID, choir, ID, F-g (Lamb 9/26)
- 11655nf MADAGASCAR R Nederlands relay in EG 1952, "Newaline", "Media Network", //17605, 15315, skeada, QTH, ezl mx (Jordan PA 9/14, Lamb NY 9/29) ED This xmsn was formerly from Flevo, Netherlands direct during above noted logging time period.
- 11700 NOKOREA R Pyongyang in EG 2303, nx, "...dear leader rec'd girls..." (Jerris WV)
- 11720 BULGARIA RB in EG 2245, IS, ID, nx, cmntry, wx, rock (Lyon MN, Smith CT)

- 11730 CYPRUS BBC relay in AR 1713, nx re Haiti, choir, relig tlk, //13660, f-g (Lamb 9/24)
- 11740 BELGIUM RVI in EG 2335, rpt on UN relief mission in Rwanda, ID, g (McGuire 9/5)
- 11750nf MOLDOVA R Dniester Int in EG *2030, nx, interview, ID, hard rock, press review, into R Moscow pgms 2100 (Jordan PA 9/18, Hardester NC 9/24, Moore IA 9/24)
- 11755 CHINA CRI Beijing in EG 1006, "News About China" ID, feature, f (Lamb NY 10/2)
- 11755 FINLAND YLE in EG/Latin 1941, cmntry, ID, Latin on Sat only, f-g (Lamb NY 10/1)
- 11790 ARMENIA R Intercontinental in GM *2100-2131*, after R Moscow FR pgm, R Intl pgm on w/ID, organ mx, QTH, tlk, ID, 9-note IS (D'Angelo PA 9/24, Berg MA 9/13)
- 11790 IRAN VOIRI in EG *2126-2226*, IS, ID, nx, QRM (Alexander PA 10/1) also in EG 0030-0127*, IS, ancms, Koran, nx, cmntry, mx, //7100, 9022 (Alexander 10/2)
- 11820 ASCENSION IS VOA relay in EG 2000-2029*, nx, "Africa Tonite" (Urbelis NY)
- 11835nf THAILAND R Thailand using VOA xmtr Udorn *2000-2115*, ex 9700, s/on w/chimes, EG ID, into GM pgm, FR 2015, EG 2030, Thai 2046, f-g (Alexander 10/1)
- 11855nf THAILAND R Thailand in EG 1900-1959*, nx, cmntry, mx, list of local events, ID, business nx, abruptly off at 1959 and over to 11835, f (Alexander PA 10/2)
- 11860 NORWAY RNI in EG 2305, rpt on UN peace initiative in N. Ireland (McGuire 9/4)
- 11895 FRENCH GUIANA R Japan relay in EG 0307, nx, ID, fqs, JP mx (Robertson CA)
- 11910 CHINA Span Nat R relay Xi'an in SP 1158, ID, tlks, w/out HCJB 1200 (Urbelis NY)
- 11940 ROMANIA RRI in EG 2100, ID, tlk on RM good neighbor policy (Robinson TN 9/13)
- 11940 JORDAN RJ in AR 2200, prayers, tlks, AR mx, QTH, ID, nx (Jordan PA, Flynn OR)
- 119547 ANGOLA R Nac in PT 2135, Afr & US pop rx, nx, ID, //7245 (Kohlbrener PA 9/27)
- 11990 KUWAIT RK in AR *1605, nx, AR mx, ID, drama, into EG 1800, nx, US pop rx, pan flute concert, s/off 2100 (Jordan PA 9/21) in EG 1928, Count Basie jazz (Lamb 9/23) in EG 2001, "Kuwait, Entity & Territory", rock mx (Moore IA 9/5)
- 11995 PHILIPPINES FEBC in EG 1524, relig pgm, ID 1522, world nx (Grenier NV)
- 12005 ECUADOR HCJB Quito in EG 0106, nx, mx interval, billboard, g (Levison PA 9/10)
- 12015 GABON RFI relay in EG 1605, nx, Cuban/US difficult negotiations, f (Newbury NE)
- 12050 RUSSIA R Moscow relay Khabarovsk in EG 0110, nx, cmntry, jazz (Lyon MN 9/21)
- 12070 RUSSIA R Baltika St Petersburg in EG 1100-1200, ID, fgy, RS pop mx, phone calls, chatter, upbeat promos, req rpts, sig noisy & not too strong (Berg MA 9/10)
- 13615 BANGLADESH RB in EG 1230, nx, cmntry, ID (Ryan THAILAND 9/18)
- 13675 UNITED ARAB EMIRATES Dubai in EG 1605, pgm on Arab love poets (Moore IA)
- 13685 FRENCH GUIANA China R Int relay in SP 0203, nx, ID, exc (Robertson CA 10/2)
- 13710 BOTSWANA VOA relay in EG 1913, nx, ID, wx, nx feature, f-g (Lamb NY 10/2)
- 13760 NO KOREA R Pyongyang in EG 0048*, nx, cmntry, KR folk mx, NA, //113348, 15130 (Alexander PA 9/18) in EG 1322, usual nationalism tlks (Frodge MI 9/18)
- 13860usb ICELAND INBS Reykjavik in IC 1900, nx, field rpts, ID, f (Jordan PA 9/14)
- 150086v VIETNAM VoV Hanoi in EG 2330, nx, ID, VT mx (Urbelis NY, Frodge MI 9/25)
- 15010nf UKRAINE RU Kiev in GM 1800, then into Ukrainian (Berg MA 9/23)
- 15020 INDIA AIR in Sinhala 1330, India cinema mx, no ID, f-p (Flynn OR, Frodge MI 9/25)
- 15060 SAUDI ARABIA BSKSA in AR 1406, AR songs, ID, nx, //15175, f-g (Lamb 9/17)
- 15095 SYRIA R Damascus in AR 2116, AR mx, little tlk, ID, p (Davenport TN 9/15)
- 15135 UKRAINE RUI in UK 1426, folk mx, ments Ukraine, big band, ID, f (Lamb NY 9/17)
- 15195 PHILIPPINES R Pilipinas in EG/lang 1740, promo, ID, mx pgm, f (Berg MA 9/24)
- 15210 RUSSIA R Moscow relay Irkutsk in EG 1200, ID, nx, opera arias, f (Lyon MN 10/1)
- 15290 MOLDOVA R Dniester Int in EG 2028, nx, sports nx, vcls, f-g (Flynn OR)
- 15345 ARGENTINA R Nac in SP 2343, play by Lorca, pops, nx, ID (Lamb NY, Moore IA)
- NOTE: This xmsn only provided on weekends tho PWBR omitted this information.
- 15350 ECUADOR HCJB in EG *1655, IS, ID, nx, DX pgm (Alexander PA, Lamb NY 9/24)
- 15350 TURKEY VOT in TK 1140, TK mx, vcls, nx, QTH, //9460 (Ryan THAILAND 9/23)
- 15350 LUXEMBOURG RL in GM 2145, cont ezl rx, ID, nx, ads (Lyon MN, Levison PA)
- 15370 THAILAND RT via VOA xmtr Udorn in EG *0030, nx, TC, feature, ID, sked, wx, travelog, into Thai (Jordan PA 9/15, Kohlbrener PA 9/16, Klinck NY 9/18)
- 15395 UNITED ARAB EMIRATES R Dubai in EG 1600, tlk of Islam contributions to western cultures, TC, ID, QTH, nx, sked, g, //13675, 15320, 21605 (Jordan PA 9/24)
- 15410 MOROCCO VOA relay in EG 1748, "Music Time in Africa", world nx, financial rpt, ID on hr, African sports, //13710, 15445, 17895 (Lamb NY 9/18, Hardester NC 9/12)
- 15415 LIBYA R Jamahiriyah in AR 2050, rapid-fire speech, spirited instrms, bombastic polemics, ID, prayer chants, AR mx (Jordan PA 9/13)
- 15460 BULGARIA RB in EG 1400, ID, "Spectrum", book review, g (Robinson TN 9/17)
- 15475 GABON Africa #1 in FR 1858*, Euro & Afri pops, ID, s/off drums (Alexander 9/17)
- 17535 CZECH REPUB R Prague via Slovakia in EG 0730, econ nx (Ryan THAILAND 9/19)
- 17535 SLOVAKIA R Slovakia Int in EG 0830, tlk on international air show (Ryan 9/19)
- 17595 MOROCCO RTVM in EG 1445, tlk on Buddhist customs, ID, exc (Alexander 10/2)
- 17860 AUSTRALIA RA in EG 0000, ID, fqs, nx, C&W mx (Levison PA, Newbury NE)
- 17905nf COSTA RICA RFPI in EG 2335, usual pgming, //7385, 9400, 15029 (Alexander 9/16)
- 21845 RUSSIA University Net via Armavir in EG 0645, Dr Gene Scott sermon (Ryan 9/27)
-

Press Release:

From: Schiffer Publishing

77 Lower Valley Rd. Atglen, PA 19310 (610)593-1777

Re: **The Zenith Trans-Oceanic:**
The Royalty of Radios

The publisher of the widely acclaimed *Philco Radio: 1928-1942* by Ron Ramirez is pleased to announce the forthcoming publication of *The Zenith Trans-Oceanic: the Royalty of Radios* by Professors John H. Bryant, AIA and Harold N. Cones, Ph.D.

This upcoming book discloses the untold story of the Zenith Trans-Oceanic, the world's most romantic and expensive series of portable radios. Long a companion of kings, presidents, transoceanic yachtsmen and world explorers, this radio was also carried into battle by American troops in three wars. Its great popularity in spite of its very high price tag can be attributed to several generations of armchair travelers who used the shortwave capabilities of the Trans-Oceanic as a window on the world.

Professors Bryant and Cones, through interviews with important industrial design consultants, and with unprecedented access to the Zenith corporate archives, explore the story of Zenith, its founder-president, and the development of this unusual radio. Never-before published materials from the archives also settle many points of controversy concerning the sequence and number of models of the Trans-Oceanic. A series of portraits cover each model of the radio including original print advertising. The authors draw on their own experience as collectors and restorers to provide helpful advice about collecting and restoring tube-type and transistorized models. A unique chapter details the parts that were shared by more than one model and identifies which parts may be interchanged by restorers wishing to bring a damaged Trans-Oceanic back to life.

Both authors are well-known academics, radio enthusiasts, writers, and editors. John Bryant, Professor and former head of the School of Architecture at Oklahoma State University, was recognized in 1994 as the Shortwave DXer of the Year by the Association of North American Radio Clubs, has written extensively in the hobby press and is the managing editor of *The Proceedings of Fine Tuning*. Harold Cones, Professor and Chairman of the Department of Biology, Chemistry and Environmental Science at Christopher Newport University in Newport News, Virginia is also a well-known author and editor in the hobby press, serves on the Board of Directors of the North American Shortwave Association, the Association of North American Radio Clubs and is the Editor in Chief of NASWA's *The Journal*. He was Executive Director of The Great Circle Shortwave Society, a history-based shortwave organization, and regularly teaches radio to audiences that range in age from 4 to 90.

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