ENASA Journal

VOLUME XL NUMBER 5





MAY 1980



NORTH AMERICAN SHORTWAVE ASSOCIATION VOL. XIII NO. 3 MARCH 1974

COOK NOT HEARD

VOA: DXERS FRIEND

Name verter nor received nore that has been and a light phi dyring the Line back has been branches and the line of the line of the branches of a billion of the rest over from EMM subspace for the first first, satisfy it wants is possible for these is resulting the typesony during the they of the bills. It is possible for the line is the internation of the line of the line of gamping stands which the line the line is balance a subscription of the line of gamping stands which the line the balance are subscription of the line of gamping stands which the line is the balance are subscription of the line of the line

The billing of the of the second seco

STATE OF LAST IN A DAY

We have had most from Hower in all parts of durch harries embersing the tert back, it has been required and the set of durch harries embership that the set of the se

Matte society there you are not or top your relations, tenishe we to have been formed and the second second and the second second and the second seco

and near dear's despect the Racks 11, 1979, 1966 seminary loss from April Raldsmer, mann they will be presenting a fifth Constance Program tops at 1200 and 1203 007, on 9740 006, and 30 00, 300 digating reception reports, includes program graph a math of Lands, Backing a main of Lands over 17 year dan't tear tim digitist's tear is a math mainer, ben. FRENDX





NET AMERICAN SHORT WANT ASSOCIATIO



P.O Box 13 Liberty IN 47353

North American SW Association

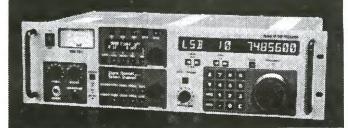
N & A

North American Shortwave Association — America's Shortwave Broadcast Club

Quality Communications Equipment Since 1942

TEN-TEC

RX-340 H.F. D.S.P. RECEIVER



The TEN-TEC RX-340 communications receiver combines cutting-edge, state-of-the art technology, with excellent ergonomics and esthetics. Digital signal processing (DSP) brings the performance and repeatability of expensive military grade communications receivers into the price range of top end commercial receivers for shortwave listeners. Tunable from 5 kHz to 30 MHz, it provides tuning steps and display resolution of 1 Hz. An astounding 57 bandwidths from 100 Hz to 16 kHz are included. All filters have a shape factor of 1.5:1 or better (6 to 60 dB). USB, LSB, ISB, CW, AM, Synchronous AM and FM modes are built-in. Four AGC modes are provided. A tunable Notch filter rejects unwanted signals in the passband. The receive front-end incorporates a built-in preselector with eight half octave bandpass filters. A switchable 10 dB preamp and 15 dB attenuator are also provided. The RX-340 also includes Built-in Test or BITE". Memory and Scan functions fall into four categories: a scratchpad memory, 100 memory channels, memory scan and sweep (F1 to F2 scan). Separate volume controls are provided for the speaker and for the headphone. The front panel features a Lexan graphics overlay designed to last a lifetime. Made in Tennessee, U.S.A. Visit our website or request our 2000 catalog for full specifications. Under \$4000.





NEW JOE CARR's LOOP **ANTENNA HANDBOOK**

By Joseph Carr. Here is your complete, 133 page guide to understanding and building high performance large and small loop antennas. Various easy to build designs are offered for models covering longwave, medium wave, shortwave and even VHF. Chapters include: Loop Theory and Construction, Loop Projects, Quad Loop Beams, Small Loop Theory and Projects, Loopstick Antennas, Radio Direction Finding, Small Loop Preamplifiers and Commercial Products.

Order #0016 \$19.95 (+*2)

JOE CARR's RECEIVING ANTENNA HANDBOOK

By Joseph Carr. This guide to high perfor-mance antennas is written in Joe's clear, easy to understand, friendly style. Arguably the best book devoted to receiving antennas for longwave through shortwave. An excellent book for the shortwave listener who likes to experiment with different antennas. 189 pages. Order #3113 \$19.95 (+*2)

Buy BOTH Joe Carr books and save big! Order #4120 \$29.99 (+4)

www.DXing.com

- Glenn Hauser's Continent of Media
 Pon Schimmel's Radio Intrigue
- · Glenn Hauser's Shortwave DX Report Joe Carr's Tech Notes
- . Favorite Tube Type SW Receivers Modern SW Receiver Survey

www.universal-radio.com

 Informative On-line Catalog Used Equipment Listing

 Specials and Close Outs Customer Cats & Staff Cata

Quality Communications Equipment Since 1942

Universal Radio, Inc. 6830 Americana Pkwy. Reynoldsburg, Ohio

43068-4113 U.S.A. 800 431-3939 Orders & Prices 614 866-4267 Information 614 866-2339 FAX dx@universal-radio.com www.universal-radio.com

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

RX-320 PC RECEIVER

Universal also carries the top rated TEN-

Shortwave Receivers Past & Present 3rd Edit. This huge 473 page guide covers over 770 receivers from 98 manufacturers. made from 1942-1997. Entry information includes: 78ceiver type, date sold, photograph, size & weight, features, reviews, specifications, new & used values, variants, value rating & avail-

ability. 120 new pages. Be-

come an instant receiver ex-

perti

#0003 \$24.95 (+*2)

-

 Passport To World Band Radio 2000 New Edition Graphic presentation of all shortwave broadcast stations. Equipment reviews, too. 592 Pages! #1000 #19.95 (+*2) World Radio TV Handbook 2000 New Edition All shortwave broadcast stations organized by country with

schedules, addresses, power, etc. #2000 *24.95 (+*2) Pirate Radio By A. Yoder With audio CD!

Here is the incredible saga of America's underground illegal broadcasters (with audio CD). 326 pgs. #303# *24.95 (+*2) Worldwide Aeronautical Frequency Dir. By R. Evans The definitive guide to commercial and military, HF and VHF-UHF aeronautical communications including ACARS, Second Ed. 260 Pos. #1042 19.95 (+12) Discover DX'Ing! By J. Zondio New Second Edition Hear distant AM, FM and TV stations. poorg #5.95 (+*2). Shortwave Listening Guide By H. Heims 2nd Edition. Here is understandable Information on: selecting and operating a shortwave receiver, simple antennas, time stations, pirates and much more. With informative tables and diagrams. 323 Pages. #2984 \$19.95 (+\$2) Understanding ACARS. By E. Flynn Third Edition

Learn the ACARS aeronautical format. #0012 \$9.95 (+12) Communications Receivers - The Vacuum Tube Era By R.S. Moore Fourth Edition

Key facts, figures and photos for shortwave receivers of the Golden Era 1932-1981. 141 pages. #2945 \$19.95 (+\$2) Please add ^{\$}2 per title for surface shipping.





Universal Radio's Catalog cov ers everything for the shortwave amateur and scanner enthusiasts With informative photos and ful descriptions. To request your free copy please call toll-free:

1 800 431-3939



N4 Notes

Richard A. D'Angelo • 2216 Burkey Drive • Wyomissing, PA 19610 • rdangelo3@aol.com

Are you ready to attend the first ever NASWA DXpedition? Ever wonder what it would be like to spend a couple of days in a cabin doing nothing but radio? If you have never been on a DXpedition, November will be a golden opportunity. NASWA is sponsoring a DXpedition to French Creek State Park in southeastern Pennsylvania on November 10-12, 2000. What is it like to DX with Fred Kohlbrenner? Don't ask! See for yourself!! See this issue of the Journal for all the details. Hurry, space is limited to the first 15 members that send in their money. Act now!

From the Worldwide DX Club in Germany we learn that Turkey will be the host of the International Telecommunications Union ("ITU") World Radiocommunication Conference 2000 ("WRC 2000") from May 8th through June 2nd. WRC 2000 is a forum where countries decide on the shared use of frequency spectrum to allow the deployment for growth of all types of radio communication services from television to radio broadcasting. One of the most important tasks of each WRC is to examine and decide on proposals for new or revised frequency allocations required for the introduction of new services or expansion of existing ones.

Bob Padula (404 Mont Albert Road, Surrey Hills, Victoria 3127, Australia. E-mail: bpadula@compuserve.com informs us that the latest HF Spectrum Study #9 (B99) is available from the Electronic DX Press. This latest study summarizes aggregated monitoring results made in south and southeastern Australia, from November 3, 1999 to February 29, 2000, on frequencies between 2300-9999 kHz, in the time period 0000-0400 UTC, represented by some 150 entries. The study is compiled each summer for the Australian midday period, and shows fadein and fade-out times, transmitter sites, transmitter countries, studio countries, and languages. A synopsis of propagation mechanisms is also given. The Study is an A4 monogram based on data provided by monitors in Victoria and South Australia. A softcopy version is offered free, and will be sent as an uncompressed Word 7.0 document, 120-kb. The Study will be of interest to anyone involved with international monitoring or frequency planning. A printed version is available for A\$5/US\$5 or 5 IRCs (sent via airmail outside of Australia).

Also from Bob is the brand new print publication, Asia-Pacific Shortwave Guide. The First Edition (May 2000) is for the international broadcast period concluding on October 28, 2000, and contains over 2,000 entries. Future issues will be dependent on demand shown for this new venture. It is produced not only to "fill the gap" due to the very costly annual "Year 2000" references being guite out-of-date for international broadcasts, but also as an inexpensive, timely, and accurate alternative. The 24 page A4, commercially printed Guide will be useful for all world radio monitors, irrespective of where they may be located. The 🥣 price is to Australian addresses is A\$10; elsewhere (airmail) it costs A\$15 or US\$10 or 10 International Reply Coupons, Orders with payment should be forwarded to Bob Padula bpadula@compuserve.com, 404 Mont Albert Road, Surrey Hills, Victoria 3127, Australia.

The Association for International Broadcasting ("AIB") has just published its Global Broadcasting Guide, which lists all the English international radio programs and time & frequency information. The booklet contains contact information including postal address, telephone, FAX, and e-mail and Internet sites. The guide is available through the AIB (P. O. Box 4440, Walton C014 8BX, England) for US\$11.35 for four issues or US\$5.75 for two issues. A single issue is available for US\$3.25. The AIB is a worldwide organization, which promotes and helps to develop international broadcasting. Among its membership are the following organizations: Adventist World Radio, Channel Africa, Radio Canada International, Radio Mi-

ami International, Radio New Zealand International, Radio Prague, Radio Sweden, Radio Taipei and Radio Vlaanderen International.

Don't forget to keep our new Manager of the Company Store, **Bill Bergadano** ka2emz@cybercomm.net busy. If you haven't purchased the club's Country List and Awards Program booklet now is a good time. If we don't keep him busy, Bill might actually leave his DX cave! The booklet is available from The Company Store (Bill Bergadano, P. O. Box 484, Colts Neck, NJ 07722) or headquarters. The price is US\$3.00 in North American and US\$5.00 worldwide.

Finally, the **14th annual Winter swL Festi**val, sponsored by NASWA, is scheduled for March 9 and 10, 2001 in beautiful Kulpsville, PA. Join other club members in a celebration of the radio-monitoring hobby. Festmeisters Cuff and Figliozzi and a "cast of thousands" look forward to seeing you next March in Kulpsville.

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

Musings

This column provides a forum where members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email: rdangelo3@aol.com.

Bill Smith (w5USM@aol.com), w5USM

I am wondering if it might be possible to renew publication of the NASWA Membership Directory as was done years ago? Two reasons, it would allow members to find other members in their vicinity; this might in turn stimulate some local activities like DXpeditions.

Given today's desktop processing and the membership mailing list, it would be rather easy to publish and cross-reference by state and ZIP code. The directory could be distributed through the company store at a price offsetting all cost plus contributing say an additional 40% to the NASWA coffers. I still have some of the 70s and 80s directories!

I'd sure like to reread some of those Charlie Loudenboomer tales, too.... those ole FRENDX were great.

73 from Bill Smith, w5USM "Shortwave Since 1950"

Arthur J. Brophy (AJBrophy123@aol.com), 387 McKinley Ave, Niagara Falls, NY 14305-1007

Each month, with the arrival of NASWA Journal, I tell myself I should write to the Musings column telling these people what a great job they are doing and how much the Journal adds to the enjoyment and understanding of the SWL hobby—please keep up the good work!!!!!!! I have only been an active SWL'er for about five years and have just started my second year as a member of NASWA—reading the Journal cover to cover monthly.

Not being very tech savvy; I have a question that I hope some of the more knowledgeable and experienced members might like to comment on. Have been reading lately about using an antenna tuner with random wire antennas; I am wondering if it is of any great advantage to do so??? Comment either in the Journal or by e-mail me or by snail mail—Thank you!!! Some random musings in closing—I truly enjoy the hobby, it entertains, informs and educates me each and every time I "tune in" and with no monthly fee—pretty amazing in today's world. Sitting in front of a computer screen just is not the same as sitting in the glow of your receiver and tuning in the world—no comparison....

Continued good listening; Art

Walt Fair <wfair@iamnet.com>

I just made a quick trip back to Houston and was able to pick up the current WRTH and Passport books, along with 2 issues of the NASWA Journal that didn't get forwarded to Venezuela yet. After living here in Maracaibo for a couple years, I've learned to truly appreciate the efficiency of US mail service and when the mail gets here, the *Journal* is one of things I really look forward to. To everyone involved: I really appreciate the efforts put forth by all.

I read Bob Padula's article a few months back with interest. Although I don't agree with everything he wrote, he raises some valid points and concerns. Although the future of international broadcasting may be questionable, my experience in third world countries, especially in Latin America, is that tropical broadcasting will be alive and well for some time to come, since it serves an important purpose for the local economies. Of course, everything is subject to economic considerations and tropical broadcasters will probably continue to decline as development takes place in many areas of the world, but in my opinion they will not all go away any time soon.

From my own travels and experience, many (not all) small stations in Latin America are basically mom-and-pop enterprises. The equipment that they use is far from state-of-theart. Over and over again, I hear the plea for help in locating old transmitting tubes, etc. It seems to me that if we, as DX hobbyists, want the hobby to continue, then we ought to help ensure that the broadcasters stay on the air. Too often we tend to "expect" them to stay on the air. The reality of the situation is that the stations operate as businesses and if they don't generate a profit, they go off the air. Period. There's not much that we can do to increase their revenues, which mainly comes from advertising, messages, or grants. Nor can we do much about their expenses (electricity, salaries, etc.) Those things depend mainly on local conditions and the station management. But the other part of the bottom line is equipment. Quite a few small broadcasters go off the air due to equipment problems and unavailability of replacement parts. The profit margin is so thin that when equipment needs repair, the expense and wait just isn't worth the return on investment.

If there were some way for a group of hobbyists, such as those in NASWA and other clubs around the world, to more actively support the small broadcasters, we would benefit from the relationship and they would be extremely appreciative. I am not a manager or even a very good organizer, but if there were a way to set up a group of volunteers to help obtain transmitting tubes and other necessary equipment for tropical band stations, it would go a long way in preserving our hobby. I wouldn't propose giving equipment away, but perhaps helping to locate and ship equipment and voluntarily defray some of the expenses. In return, special DX broadcasts could be arranged, commemorative QSLS, etc. (This is still a halfbaked idea, so any other ideas would be welcomed! There are also probably some "gotchas" I haven't considered.) That should inevitably lead to more DX targets and easier QSLing, but more importantly to a better awareness of the hobby and communication between them and us.

So, that's my crazy idea for the day. If anyone has any ideas on how to accomplish something along those lines, I'd appreciate hearing about it.

Walt Fair

Calendar Of Events

- May'00 Annual General Meeting. The Danish Shortwave Club International will hold its AGM and DX Camp at Vejers Beach, Western Jutland, Denmark from May 12-14, 2000. Contact Bent Nielsen (Egekrogen 14, DK-3500 Vaerloese, Denmark) for further details.
- May 19 Meeting. Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831.
- May 19 Meeting. Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is ¹/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 978-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is http://www.anarc.org/naswa/badx/.
- Jun 9 Meeting. The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Jun 9 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX) meet at the Lebanon Citizens National Bank on U.S. Route 42 in Mason at 7:00 PM. For more information contact Mark Meece at 513-743-8089 or e-mail at <mmeece@siscom.net>. For additional information about MONIX, check out their web site at <http:// www.siscom.net/~mmeece/monix.html>
- Aug'00 DX Meeting. The 6th National Mexican DX Meeting will be held in Oaxaca, Mexico from August 4-6, 2000. For details contact the organizers at Miraizos@gnp.com.mx.
- Aug'00 Convention. The International Radio Club of America ("IRCA") will its annual convention at the Homestead Quality Inn in Billings, MT from August 25–27, 2000. The \$35.00 registration fee made out to "John C. Johnson" can be sent to John and Nancy Johnson, 265 Waterton Way, Billings, MT 59102-7755. Check out the convention web site at: http://pages.prodigy.net/john_johnson/irca2000>.
- Sep'00 Contest. AWR Contest. Number of different QSL stamps in the listener's collection. More details to follow.
- Oct'00 Conference. The annual EDXC Conference will be held in Barcelona, Spain from October 12-15, 2000 (temporary date until further notice). Details to follow.
- Mar 9–10 Convention. The 14th Annual Winter SWL Festival, sponsored by NASWA, will be held in Kulpsville, Pennsylvania (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike). Richard Cuff and John Figliozzi co-chair the organizational committee. It's never too early to begin planning. See you there!
- Mar '01 Contest. 2001 North American DX Championships. For further information you can send a self-addressed stamped envelope to 2001 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606. Rules will also be posted eventually at http://www.anarc.org/>, and are published in the Awards column in the Journal.

Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: rdangelo3@aol.com) or Ralph Brandi (Internet: ralph@brandi.org).

Contribute!

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

Special DXpedition Information

During our many, many years of Dxpeditions to Gifford Pinchot and French Creek State Parks, there have been numerous hobbyists that have expressed an interest in attending one of these extravaganzas. Since we are limited to how many people can actually attend these events by the size of the cabins, it is impossible to accommodate everyone.

At our last French Creek Dxpedition, the regulars (Fred Kohlbrenner, Ed Mauger, Bob Montgomery and Rich D'Angelo) kicked around the notion of a "NASWA Dxpedition." Subsequently, Executive Council has given the "French Creek Regulars", now known as the Dxpedition organizing committee, the green light. We are targeting early November, which coincides with our usual first outing of the DX season and should be reasonably safe weather wise. The cabins must be paid for shortly after we make reservations, therefore, we must require payments to be made up front to hold your spot. It is the hope of the Executive Council and the organizing committee that by holding a club sponsored Dxpedition members that would not normally have an opportunity to go on a DXpedition would have a chance to participate in an organized club sponsored event.

Here are the details:

- § The DXpedition organizing committee consists of Fred Kohlbrenner, Ed Mauger, Bob Montgomery and Rich D'Angelo.
- § The DXpedition site will be French Creek State Park, Elverson in southeastern Pennsylvania. French Creek offers a modern cabin rental, which means they are heated, have indoor plumbing and a complete kitchen. Participants are responsible for their own food and beverage arrangements. The park has been very accommodating with antennas. No alcohol!
- § The DXpedition coordinator will be Fred Kohlbrenner (2641 Shields Street, Philadelphia, PA 19142). The cost will be \$60.00 per person. All reservations and payments will be made through Fred.
- **§** The DXpedition is open to NASWA members only. Non-members can participate by joining the club. The number of spaces will be limited to 15, which represents three full cabins of DXers. First come, first served that means money talks!
- **§** The DXpedition will run from Friday through Sunday, November 10–12, 2000. Check in time is 3:00 PM on Friday. Departure time is 9:00 AM on Sunday.
- § Members who are interested in attending must notify Fred Kohlbrenner on or before May 31, 2000. Payment must be received at the time of notification. Refunds can only be made if a replacement DXer can be found. If space is available we may accept latecomers but there can be no guarantees. The organizing committee will make any decisions. If not enough payments are received, this club-sponsored event will be cancelled and all money returned.
- § Tentative plans include a group picture, a group pasta dinner on Friday evening with a meeting to exchange information, DX conditions, targets, etc. Subsequent group gatherings are planned for Saturday afternoon and a closing meeting on Sunday just prior to departure. Don't forget to bring a camera, oh, and a shortwave radio!

BBC World Service: Wonder What's Behind the Curtain?

The BBC World Service has launched their new 8-stream revised shortwave schedule, and it has been an occasionally bumpy ride. Early on, there were numerous examples of misdirected streams: for several evenings. North American listeners were even treated to the New Zealand stream - which isn't even supposed to be available on shortwave to New Zealand. Even now, nearly four weeks into the schedule, the "weaving" within the various streams can be unpredictable. The beginning and ending of program segments is cut off, or a promotional announcement is aired that doesn't match the actual program schedule.

This reminds me of the scene in the Wizard of Oz where Toto pulls back the curtain in the "throne room", and the Wizard bellows, "Pay no attention to what you see behind the curtain!" There are probably mad scrambles going on at Bush House and at the Merlin Communications sites trying to pull off an obviously complicated orchestration of streams, programs, and continuity content.

Clearly the World Service has a different look & feel following the launch. A news bulletin now appears on the half hour before any feature scheduled for that time slot, and a brief look at headlines appears 45 minutes into the hour. Quite often, you'll hear the program identified as "BBC News" without the phrase "World Service" in the middle. The flagship news programs, such as **Newshour** and **The World Today** have been outfitted with new music themes, and the overall sound seems a bit less frantic than before.

As for the various feature programs, I haven't detected any other significant changes in approach. At least, now, East Coast prime time evening listening is not saddled with full-hour or half-hour long news programming; the evenings are devoted more to feature programming. This was a very visibly stated goal of the schedule shuffling—news programs were deemed to be most important in the morning hours and in late afternoons, with features aired evenings. It looks like the World Service is delivering on that goal.

Somewhat annoyingly, the printed versions of schedules available in *On Air* magazine or via download of a PDF file emphasize each region's key local times and days, with a conversion to UTC appearing much less prominently. This can be annoying when listening to streams targeted elsewhere such as the West Africa and European streams. Thankfully, the text and Excel spreadsheet versions of the schedules, available at the BBC's website, are still in good old UTC.

Speaking of the BBC's website, the World Service will have launched a revamped set of Internet web pages by the time you read this; the current plans are to launch the new pages on May 3rd. One enhancement will be a greater variety of on-demand content. This enhancement, coupled with batch recording software like Voquette (http://www.voquette.com), enables one to create custom downloads of programming in the sequence you prefer.

Here's what you can look forward to in BBC World Service programming for May from the BBC's website and *On Air* Magazine:

Features

Tuesdays, 1530, beginning May 2nd, and Saturdays, 0130, beginning May 6th: As the USA blazes a trail in high technology, communications and global reach, *Manifest Destinies*, part of the *Essential Guide* series, asks what issues are shaping the America of tomorrow. In this series of three landmark 30-minute documentaries, the BBC's former Washington correspondent Bridget Kendall travels from Wisconsin and Arizona to Los Angeles and Las Vegas, talking to immigrants and city mayors, millionaires and welfare mothers, to find out where they think their country is heading.

Mondays, 2345, and Wednesdays, 0330: *Patterns of Faith* is a series of 15-minute programs on the importance of religion in society. In May, the series will feature *Playing with Spirit*, a look at spirituality in the theatre, *Wesak*, a celebration of the annual *Theravadin* Buddhist Festival, and *Food for Thought* which explores the role food plays in global cultures and beliefs.

Popular Music

Mondays, 1430, and Tuesdays, 0030: In the new eight-part series of **Blues World**, part of the **Music Mix** series, Tony Russell looks back at the blues heritage and also plays the best of the very newest blues, reflecting its influence throughout the world. Getting the weekly 30-minute show on the road are discs from 16-year-old Sean Costello, followed by 74-year-old BB King, and ending with 13-year-old French musician Nawfel.

Science and Technology

Tuesdays, 1530, beginning May 23rd, and Saturdays, 0130, beginning May 27th, Science and technology have always been linked to warfare-from gunpowder, to poison gas, to nuclear weapons. But in this century, they will move closer to the front line of battle. *Essential Guide* continues with *Laboratory of War*, a new three-part 30-minute series, investigating how scientists are both creating and combating new challenges to international security.

Drama and the Arts

Mondays, 1405, Tuesdays, 0005, and Wednesdays, 0505: Michael Goldfarb hosts a series of 25-minute discussions and interviews regarding the arts in the USA in America In Perspective, in the Meridian – Ideas series. America in the 21st century is more creative and, at the same time, more unified and more disparate than it has ever been. In this series, leading writers, artists and cultural thinkers reflect on how the arts help shape, define and explain American society.

Saturdays, 2200, and Mondays, 0530: *Play* of the Week highlights include:

May 6/8: An Immaculate Misconception, the first play by Professor Carl Djerassi, the American scientist internationally renowned for having 'invented' the contraceptive pill in 1951. The play is about parenthood, and the creation of new life in the absence of sexual intercourse. Djerassi wants to provoke discussion about the ethics of cutting edge reproductive technology and inform people what genetic manipulation could mean for the future of us all.

May 13/15: Fisher of Men, by David Constantine, is a play written partly in verse telling the story of the wreck of the Royal _ Charter on the rocks of Anglesey in 1859 and the devastating effect it has on the isolated community of Moelfre and its vicar.

May 20/22: Design for Murder, by Marcy Kahan: Noel Coward would have been 100 in December 1999 and, thanks to BBC Radio Drama, he enters his second century in one of the few careers he never achieved in life. Marcy Kahan invents a Noel Coward who turns his restless imagination to crime—putting himself at risk by investigating the murder of an actress.

Weekdays, 1305 and 2305: The World Service is marking **BBC Music Live 2000**, the biggest live music festival in the UK, with special programs for its listeners around the globe. On Memorial Day, Monday, May 29, a special edition of **Outlook** comes live from the streets of Leicester. The city's music festival brings together the best of world music from bhangra to New Orleans jazz, from ska to reggae.

Radio Australia: A Mirror and a Window

This past month, I sampled the Radio Australia-presented, National Radioproduced programs The Comfort Zone, The Law Report, and Health Report. Each program, while produced primarily for a domestic audience, led off a story or development from the USA, and then compared that trend with trends in Australia and elsewhere in the Pacific region. In that sense, Radio Australia was functioning as a mirror on American affairs, while then providing a window into Australian viewpoints on these issues. This method was very effective in comparing cultural biases between the two regions. not something you'll find very often in domestic American radio of any sort. Of these three, my personal favorite was The Comfort Zone, which debates and celebrates the cultural significance of architecture and design, gardening and food. These aren't topics you'll hear covered very often in by any broadcaster, including the BBC. The only Radio Australia airing of The Comfort Zone is 1605 Tuesdays, useful for shortwave listening in the Western USA, but not feasible for shortwave here in the Northeast. The show is webcast live, but is not available for on-demand listening. I set my computer up to connect automatically to Radio Australia's URL to record the program on tape as it airs, as the 1605 air time is not very conducive to live listening.

I don't mean to sell either **The Law Report** or **Health Report** short; these programs generally feature three stories recently in the public eye, but cover more conventional topics than **The Comfort Zone. Law Report** airs 0030, 1030, and 1530 Tuesdays; **Health Report** airs 0030, 1030, 1530, and 2130 Mondays.

Also in the "don't miss" department, a special documentary series on development in the Pacific islands, *Carving Out*, is in the middle of a 13-week run ending in early June. The series has a fine website (http://www.abc.net.au/ra/carvingout/ default.htm) with an audio archive of

all prior programs, along with other information germane to the topic of Pacific development. **Radio Australia** air times include Saturdays 0530 and 1830, and Sundays 0030 and 2130. The program emphasizes a single topic in each edition, allowing for extended debate and analysis.

Radio Netherlands

As has been widely reported elsewhere, the diesel electricity generators at **Radio Netherlands**' Bonaire transmitter site were severely damaged by fire on Easter weekend; some transmissions have been moved to alternate sites, but other transmissions had not yet been accommodated as of press time. Check Radio Netherlands' website, at the specific URL of http:// www.rnw.nl/realradio/html/schedule.html, for updated information.

Meanwhile, from Radio Netherlands' website, here are the upcoming documentaries you can look forward to. All documentaries air Thursdays, 0000, and Saturdays, 0030:

May 11/13: Pulling the Plug on Pox—Smallpox was once the scourge of mankind until an aggressive vaccination campaign all but wiped it off the face of the earth; the last known case of smallpox was in 1979. However the smallpox itself still exists in 2 places in the world—both scientific establishments. So now the question is "Should these last remaining stocks of the deadly virus be destroyed so that smallpox will never again be a threat? Or should they be kept for further scientific study that might help in the battle against other viruses such as HIV for instance?"

May 18/20: Forgotten Wars #4—Impunity: Long after the brutal civil conflict that took place in Matabeleland in western Zimbabwe in the 1980's, discussion of what happened is rarely made public. Yet many believe in Zimbabwe, as in all brutal wars, only an open admission of what happened and an end to the impunity of the perpetrators can unite the country and help heal those who suffered. May 25/27: Viva Flamenco!-Flamenco is one of the most distinctive, dramatic musical forms of Europe. In its homeland, Andalusia, Flamenco is far more than folk art; it is a discipline, a philosophy, and a way of life. Jane Murphy travels to southern Spain, to explore the history and emotions that define the various forms of gypsy music and dance.

Program Review: Religion and Society

Peter Bowen posted the following program review at the swprograms E-mail list:

"This show is typical of DW's feature programs: competent and solid reporting, but decidedly bland presentation.

"Religion and Society is a 15-minute program broadcast once each week, usually on Sunday in the target area. Each edition is presented by a single host, Gabriele Fritz. Her job seems to be to introduce the one report that makes up almost the entire duration of the program, and then to offer some closing comments. Some DW hosts speak well, but most sound guite flat. Ms. Fritz unfortunately falls into the latter category.

"In keeping with the focus of all programming on DW, most of the stories come from European countries. Each show has only one report, and it is a packaged report (a 'package') offered by a single reporter. These reports are very good, offering lots of comment from the reporter, as well as interviews and ambient sounds.

"Although the title leads one to believe that this is a program about religious topics, that is in fact not always the case. Rather, each program deals with the connection between a religious topic and the wider society.

"The starting point for the package is indeed a religious topic, but the reporter then expands the discussion to speak about the much wider societal effects and implications. There is a varying balance Until next month, 73 DE Richard

between discussion of the religious topic per se, and its impact on the wider society. Thus, the result is a report on a topic that often has only the barest relation to the original religious item.

"In spite of the fact that the reports featured in Religion and Society are of high quality, this is nevertheless a disappointing program. There is often very little content dealing with religion and religious topics. And although the show is well-produced. Ms. Fritz is less than impressive as the host. Perhaps her main contribution is what she does 'behind the scenes'."

Internet Sources for Programming Information

Even if your budget only allows access to electronic mail, there are several sources of program information you might want to note for future reference. The list of stations is gradually getting larger as they discover this efficient means of disseminating program information.

Radio Sweden sends out a weekday E-mail message on the day's programming; subscribe by sending a blank message to radiosweden-subscribe@topica.com.

Deutsche Welle sends out a daily E-mail including a program preview and a German press review. You can subscribe by E-mailing majordomo@dwelle.de and including the text subscribe english-programme in the body of the message.

HCJB has sent out twice-weekly E-mail previews, the Andean Herald, for the longest of any international broadcaster; an e-mail to english@hcjb.org.ec (not an automated address) will get you on the list.

Radio for Peace International sends out weekly advance information and other station news; to subscribe, you'll need to visit the webpage http://www.boinklabs.com/ mailman/listinfo/rfpi-announce and fill out the form.

<u>G</u>

Listener's Library

T. J. "Skip" Arey N2EI • P. O. Box 236 • Beverly, NJ 08010 • tjarey@home.com

Every now and again I like to trot out a book with a bit more of a technical view. I don't just do this to see if anybody notices. Rather, I know more than a few folks like to stretch their minds and learn a bit more about what goes on inside these receivers we all play with.

Ladder Crystal Filters by John Pivnichny N2DCH 134 pages No Price Listed ISBN # 1-891237-20-9 MFJ Publishing Starkville, MS 39759

For the last few years we have been talking a great deal about receivers moving in the direction of digital signal processing. Well, unless your willing to spend fairly large sums of money on your equipment, DSP is still out of reach. The fact is, most of the "heavy lifting" in terms of signal management is done in the radio world by way of crystal filtering. The "Ladder" type crystal filter is very popular, especially among people who build and experiment with transmitter and receiver circuit design because fairly high performance filters can be built using inexpensive, surplus computer industry crystals.

John Pivnichny is an Extra Class Amateur, and Graduate Electrical Engineer. The author has collected most of the scholarly work done in this area of filter design and he has included references to every paper included on the subject to date. The book covers crystal and capacitor characteristics with reference to the ladder filter model as well as measurement of crystal parameters and their suitability for use in this design. Chapters are devoted to the more common crystal filter uses such as sideband filters, tunable filters, cw filters and lattice filters. There is also a chapter covering computer programs for us in filter design. Several scripts of BASIC programs are included. The book is designed for the serious student of the subject but many of the designs within it can be easily adapted into circuits by hardcore homebrewers.

I always enjoy the opportunity to review a book written by a fellow member of NASWA. I enjoy even more reviewing a book written by a close friend. Our own Rich Arland has come up with a new book on his favorite subject (and one of mine as well) low power amateur radio.

Low Power Communication: The Art and Science of QRP by Rich Arland K7SZ 204 Pages \$14.95 ISBN # 0-87259-733-4 The American Radio Relay League 225 Main Street Newington, CT 06111-1494 1-888-277-5289

Many of you may remember my previous reviews of Rich's three volume Low Power Communications series published by Tiare Publications. Literally from the moment those books went of print, many people, myself included, started chasing after Rich for a new book that would serve the radio hobby community as well as his previous books did. Well little did we know that Rich was about to really take this project on in style. Publication of his new ARRL book on the subject of QRP more or less coincided with the announcement that Rich was to become the monthly contributing editor to QST magazine on the subject of Low Power radio. All this coming off serving for a number of years on the staff of Monitoring Times magazine.

Unless you have been participating in the radio hobby from the depths of a cave somewhere, you are more than likely aware of the resurgence in interest in QRP amateur radio operation. A number of factors have led to this peak in interest. Not the least of which has been Rich's many books and articles on the subject. QRP or transmitting with power levels less than 5 watts allows for a return to the two basics of the ham radio hobby, Operating and Construction. QRP gear is inexpensive to own and operate, home built equipment can be assembled for next to nothing. And nothing I have ever found beats the excitement of working a station with less power then a Christmas Tree lightbulb!

Rich's latest book is a "one Stop" guide to all the essential aspects of this exciting and growing area of Amateur Radio. Rich begins with the history of low power operation that leads into a description of all the excitement that QRP can be. Once you finish readin these chapters it will be hard to hold back so Rich goes on to give the beginner all the information needed to get up and running at 5 watts or less. His study of available QRP kits and commercial gear is exhaustive, even including some of the latest gear out their such as the Elecraft K2. If anybody thinks radio kits died with Heathkit leaving the industry, Rich's book will show you that home building is alive and well. You will also learn that it can be very easy and really inexpensive. Once your on the air as a bonified ORPer, Rich goes on to give great tutorials on the advanced skills that will turn you into a master of the QRP art. These chapters include information on propagation and operating techniques that can give your teeny signal just what it needs to get through. The book goes on to describe yet another aspect of the QRP world that I am convinced is the main reason for the rapid growth of this segment of the radio hobby. The QRP fraternity as it is lived out on the air, on the Internet and through clubs. Rich talk about how getting involved in the QRP world can be a great way to become part of a group of people dedicated to helping each other grow in their understanding of the radio art.

So I guess you can say I really want you to read Rich's book. Then I'll meet you down on 7040 kHz.

While we're on the subject of Low Power operation, let me slip in one more QRP book. But don't turn the page just yet...This book offer information of use to non-QRP radio hobbyists as well.

QRP Projects From Down Under by Drew Diamond VK3XU 132 pages No Price Listed ISBN # 1-891237-22-5 MFJ Publishing Starkville, MS 39759

Drew Diamond is an Amateur Radio operator in Australia who is dedicated to homebuilding radio equipment, specifically for low power operation. However, while Drew limits his output power, his ideas about how to go about constructing electronic equipment has universal application. Drew's book is a compilation of a number of receiver, transmitter and support circuit designs that can easily be used to either directly build equipment or can be used as a stepping off point for your own ideas. In amongst the circuit information is a wealth of wisdom about home brewing. Drew is a proponent of "Paddyboard" construction. This construction technique has been written about in the U.S. radio hobby press under the names "Ugly Construction" or "Manhattan Style Soldering". The general technique is to assemble components on printed circuit board without etching the board as is traditionally done. This technique can be used for fast 'breadboarding" of experimental circuits but I has found a life as a full blown construction technique, particularly with low power homebrewers. Drew description of how to build with this technique is about a good as any I've seen and I've written a few articles on the subject myself! I've had a lot of fun using the ideas out of this book and I have vet to actually build any of the circuits in it. It is that rich with ideas. au

Shortwave Center

Jerry Lineback • 506 South Lawrence Avenue • Scranton, KS 66537 • jalinebk@satelephone.com

Tropical Band Radio in the Center of South America

Guayaramerín, Bolivia and Guajará-mirim, Brazil

Walt Fair, Jr., KE5WJ

In developed countries, like the United States, radio seems to be mainly a form of entertainment. Indeed most Americans don't even think about shortwave radio, much less listen to it. Instead, shortwave radio seems reserved mostly for hobbyists. In less developed countries, however, shortwave radio is still a much more important part of daily life, filling a need for communication and education, as well as entertainment. This became very apparent on a recent trip to the center of South America, where I had the opportunity to visit several dedicated shortwave broadcasters who fill exactly such a need.

In July 1999, my wife suggested that we visit Beni, in the northern part of Bolivia, where she grew up. She had told me stories of fighting with monkeys who stole her bananas, swimming with piranhas, lawlessness, etc., but to a gringo, these stories were hard to accept at face value. She assured me that we had to go and see firsthand, to which I readily agreed. The trip began in Santa Cruz, Bolivia, where we spent several days visiting friends and family. Santa Cruz is a dynamic city of over 1 million people; a bustling, busy city; the center of Bolivia's oil industry. However, the outer 2/3 of the city has no paved streets. From Santa Cruz we traveled over night by bus to Trinidad, then took a smaller bus from Trinidad to Guavaramerín in the department of Beni.

I was assured that the trip was easy now that a "carretera" (highway) has been built across Beni. In fact the "highway" had not yet been paved, but was mostly a narrow dirt road. It took 2-1/2 days to get from Trinidad to Guavaramerín, a distance of about 200 miles. The 3 drivers alternated shifts, continuously chewing their coca leaves. We saw a total of 4 or 5 trucks along the way, so the traffic was never a consideration! Along the way we had to get out of the bus and walk across several muddy areas due to the fear that the bus might turn over. We also made 4 river crossings on wooden barges, either hand pulled or guided by a small motor boat. Along the way the countryside was full of hawks, eagles, parrots, giant ant mounds, and alligators, with the landscape varying from open fields to swamps to dense jungle. At one stop, a woman who went to wash up at a pool of water on the edge of the road, quickly ran back to the bus when a not too friendly alligator came up to see who was there. At a police inspection point, a young quechua woman was arrested for transporting drugs and we were all searched. I'm sure she did not have a very nice day! For me, it was an interesting adventure. For the people who live there, it is a way of life.

Guayaramerín is a bustling city of about 20,000 in the north of Departamento Beni, Bolivia on the banks of the Mamoré River, which forms the border with Brazil. About ¹/₂ of the roads are paved inside the city. There is a small airport with daily flights to Riberalta, Cobija, La Paz and Trinidad, but there is no daily newspaper or internet. There are few automobile taxis, but the primary means of transportation, as in most of rural Bolivia, is the motorcycle. A large taxi consists of 2 seats attached to a motorcycle and the largest store is the motorcycle dealership. The city is a center for trade with Brazil and thrives mainly by supplying the

farms and ranches in the area. Guayaramerín is also home to 3 tropical band shortwave broadcasters, which provide an important service to the surrounding area.

A 5 minute launch ride across the Mamoré River lies Guajará-mirim in the state of Rondonia, Brazil. Guajará-mirim is also a city of about 20,000, but has a much better infrastructure, with paved streets and a daily newspaper. Although there is a train and a partly paved highway, the city is very isolated from the rest of Brazil. Unfortunately, the Brazilian economic crisis has had an effect on the area. Guajará-mirim was nearly dead in comparison with the bustle of activity on the Bolivian side of the border. Guajará-mirim also has a tropical band shortwave broadcaster that provides an important service to the surrounding area.

Radio Mamoré

Radio Mamoré, CP147, is located in a small single story building in Guayaramerín a few blocks from the Mamoré River. When my wife and I visited the station, the staff was so surprised to have a foreign visitor that they announced it over the air, then put on some music and dropped everything to talk with us and show us around.

According to the owner, Sr. Lucio Montan Escobar, it is the oldest shortwave broadcaster in the area, on the air since 1967 and officially licensed in 1971. It broadcasts daily from 6:00 am to 1:00 pm and 5:00 pm to 10:00 pm local time (1000–1700 and 2100–0200 UTC) on 4815 kHz. The antenna is a drooping folded dipole, with the center about 20 ft above the ground. Due to the proximity to the airport, a larger or higher antenna cannot be used. Their broadcasts are also carried locally on 95.1 MHz FM. All programs are in Spanish.

Nominally, Radio Mamoré uses 500 watts, but the transmitter is always run at lower power to conserve the transmitting tubes. The transmitter, which was totally rebuilt by a Brazilian technician, is in a back room of the station building. The back of the transmitter is open and a fan is blowing on the equipment to keep it cool, since there is no air conditioning. When I listened to the station on my portable receiver, I noticed a rapid frequency variation. When I saw the transmitter, I realized that it is due to the coils in the transmitter wobbling in the breeze of the fan. It produces a very unique effect!

Sr. Montan also explained that the station has been off the air several times due to personal obligations and due to a lack of transmitting tubes. When he travels to take care of business obligations, his wife and 1 person staff do their best to maintain operations, but with little income, the situation is often difficult. He especially asked me to help him find a ready source of 813 transmitting tubes.

The announcer, Sra. Teresa Araujo, explained that they are quite proud of their programming especially for women in the area. She feels that they provide an important service in disseminating information on nutrition, health and family issues. In addition, messages are routinely broadcast for people in the area along with the distinctive tropical Bolivian music. Sra. Araujo also mentioned that it is very difficult for them to get information on producing and running a radio station.

Interestingly, Radio Mamoré is not mentioned in the 1999 editions of either WRTH or Passport to World Band Radio. The station has received several reports from Europe over the years, but none from the US. Sr. Montan assured me that he will verify reception reports and is very interested in hearing from foreign listeners. The station address is Radio Mamoré, Direc. Beni y Mamoré, Guayaramerín, Beni, Bolivia. With the low power and low antenna, this would make a fine catch for the upcoming DX season.

Radio Paititi

Radio Paititi, CP 185, is located in a small two story building opening into a market place near the center of Guayaramerín. The staff was very surprised to have a foreign visitor and also made a special point of announcing our visit on the air. They very cordially showed us around and answered my questions.

The staff informed us that Radio Paititi broadcasts daily with 500 watts on 4682.4 kHz from 6:00 am to 10:00 pm (1000-0200 UTC). It recently celebrated 29 years of tropical band broadcasting and 6 years on 100.1 MHz FM. The antenna is a folded dipole at about 40 feet. Most of the daily broadcasts consist of Bolivian tropical music. All programming is in Spanish.

The name of the station reflects its tropical Bolivian heritage. According to legend, when the Spanish conquered the Incas in Bolivia and Peru, a group of Incas fled from the mountains into the jungle in the Beni area and established a city of gold. The Spanish name for the city is El Dorado, but the Inca name is Paititi. The city has never been found and there is debate among archeologists on whether it actually existed or not. At any rate, both Paititi and Radio Paititi are uniquely a part of this area of Bolivia.

According to the owner, Sr. Carlos Arteaga Tacana, Radio Paititi's transmissions cover all of Beni and serve as an important communications link for the area. In fact the station was started primarily as a message service, with other programming as a sideline. While we were there several people dropped off messages to family and friends for broadcast over the air. Such messages range from "Happy Birthday" to "I made it to town and will come home tomorrow." The station charges a modest fee (Bs 2 or about \$0.40) for broadcasting the messages.

According to the staff, they have received quite a few reception reports from Europe over the years, but only a few from the US. The station indicated that they will verify reports. The address is Radio Paititi, Casilla No. 167, Guayaramerín, Beni, Bolivia.

Radio Galaxia

In addition, Sr. Arteaga showed me the transmitter for Radio Galaxia, CP218, located in the same building as Radio Paititi. Although Radio Galaxia is listed in both WRTH and Passport, it has not actually been on the air recently. Final arrangements were in progress and Sr. Arteaga expected to begin broadcasting with 500 watts on 5160 kHz within about 2 weeks. By the time this article reaches press, it should be active. The station slogan is "La Joven Sintonia" (The Young Sound) and will target a younger audience with tropical music. If you hear it, send a report to the same address as Radio Paititi.

(In addition, the 1999 edition of WRTH shows Radio Hitachi as also broadcasting from Guayaramerín. While visiting, no trace of the station was heard and inquiries led no where. Although the taxi drivers knew exactly where Radio Mamoré and Paititi were, they were not familiar with Radio Hitachi.)

Radio Educadora

Radio Educadora's studios are located in a single story building facing a square on the Brazilian side of the Mamoré River in Guajarámirim. When we visited the station, the staff was surprised to see foreign visitors with an interest in the station and cordially received us. (I had logged the station several years earlier, which really surprises them.) They proudly showed us the studios, record library, and the original station equipment, which is no longer in use. We were also invited to witness the first test television broadcasts from the station.

Radio Educadora broadcasts with 5 kw on 3375 kHz from 9:30 am to12:00 noon and 8:30 pm to 10:00 pm local time (1330–1600 and 0030–0200 UTC). The transmitter is located about 5 km outside of town. The station also broadcasts on FM and now also relays television broadcasts received by satellite. All broadcasts are in Portuguese.

The station is part of the Radio Educadora system, which is supported by Fundacao Dom Rey, a part of the Catholic Church. The station director, Father Isidoro José Moro, explained that they are dedicated to educating the natives who live in the surrounding region. For that reason, the station logo shows a native in the jungle speaking into a microphone. Programming consists of educational and religious programs with a fair amount of tropical music. The station is quite proud of its music library, which is the largest in the entire area.

> I was assured that the trip was easy now that a "carretera" (highway) has been built across Beni. In fact the "highway" had not yet been paved, but was mostly a narrow dirt road. It took 2-1/2 days to get from Trinidad to Guayaramerín, a distance of about 200 miles.

Although the station has much better equipment than the stations on the Bolivian side of the border, it still faces challenges. As the staff explained, their main problem in starting up the TV broadcasts is keeping condensed moisture out of the antenna and transmission system. In addition, they proudly showed pictures of the staff working to install guy wire anchors, raise the TV antenna tower and satellite dish, all done manually by volunteers over the previous weekend.

The staff said that they will verify reception reports, which should be sent to Radio Educadora, Praca Mário Correa 90 – Centro, CEP 78957-000, Guajará-mirim, Rondonia, Brazil. They indicated that they had received reports from all over the world, including some from the US. This station should be a moderately difficult catch, but not impossible. Best time to listen in the US is probably in the evening before sign-off.

Conclusion

While in Guavaramarín, we also had a chance to visit relatives and see some of the surrounding area, including rapids on the Rio Beni and an old rubber plantation no longer in active use. It was an interesting experience and my wife and I will be forever grateful for the opportunity to have met the people who run the stations there. To return to Santa Cruz, we opted to forego the bus ride. Instead, we took a 1-1/2 hour flight via TAM (Transportes Areas Militares or Military Air Transport) with a stop in Trinidad. We have already decided that on the next trip we will go see other parts of Departamento Beni and we will probably go by bus, but return by air.

While visiting the stations, I took pictures with my digital camera, which immensely intrigued everyone. After our visit to the stations, I printed out and mailed copies of the photos, along with some information on Houston (where I run my business) and Maracaibo (where we live). I subsequently received correspondence from all 3 of the stations, thanking me for the visit and photos. Radio Paititi also sent a commemo- rative 30th anniversary pennant and a QSL for hearing them while in their studio. Radio Educadora requested a second set of the photos, signed and suitable for framing to display in the office. All of the stations invited us to come back for another visit, which we will gladly do if we have a chance.

In conclusion, it is apparent that the tropical band stations in both Guayaramerín and Guajará-mirim provide an important service for their local areas. Besides entertainment, the educational and communication aspects of their broadcasts are important for the area. In addition, it is difficult not to be impressed with the hard work and dedication of the station owners and staff. Considering the efforts required to keep a station on the air in the face of equipment and economic problems, a more dedicated and sincere group of broadcasters would be hard to find anywhere in the world.

Technical Topics

Joe Buch N2JB • P.O. Box 1552 • Ocean View, DE 19970-1552 • joseph.buch@dol.net

Long-wire Antenna Optimization

The end-fed long-wire antenna is probably the simplest and most often used outside antenna for short-wave radio listening. If installed correctly the antenna can be very effective.

Most homebrew antennas of this type and even commercial derivatives like the Alpha Delta slopers are not designed for maximum performance. This month we will learn about a better way to install your sloper or longwire antenna to maximize performance. I will also introduce you to a relatively new company on the SW scene that understands the problems and has the devices you need to implement an improved installation.

Remember the success of any short-wave antenna depends upon how well it picks up desired signals while minimizing local noise sources. The electric fields generated by the power wiring in your house can couple noise generated by appliances, computers, fluorescent lights, and light dimmers. Such sources of electrical noise normally limit the sensitivity of your short-wave receiving system. It is important to minimize coupling between your receive antenna, the wiring in your house, and your power ground system.

The simplest designs use a single unshielded downlead to couple the antenna to the receiver. The wire inevitably passes within a few feet of the power, telephone, and cable TV wiring in the walls of your house. With the advent of broadband Digital Subscriber Line (DSL) signals on your telephone wiring as you and your neighbors get fast Internet access, the unshielded phone wires will soon become a major interference source. Early adopters of cable TV modems for Internet access have reported such severe interference that cable companies have been required to replace the modems with better designs. The simple unshielded feed wire will soon he obsolete.

One way around this problem is to use a shielded coaxial cable lead-in with a transformer at the junction between the lead-in and the horizontal wire. Various so-called "Magnetic Long-wire Baluns" (MLBs) are sold to match the coaxial cable lead-in to the wire.

Unfortunately many of these devices do not properly isolate the shield of the coax from the antenna. The shield ends up acting as part of the antenna, picking up noise from the house wiring.

A long-wire antenna installation of this type is depicted in Figure 1.

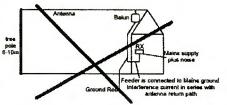


Figure 1. A typical long-wire antenna installation is susceptible to pickup of noise generated in your house wiring.

The horizontal part of the antenna comes very close to the house. In the most popular designs, the antenna side of the transformer is connected to the coax cable shield. The shield then works with the horizontal wire as the other half of a bent dipole. This configuration offers little improvement over the unshielded lead-in wire when it comes to rejecting local noise.

The connection, at the point where the feedline joins the antenna, is depicted schematically in Figure 2. The left winding conducts RF current from the antenna to the coax cable shield which then routes the current to ground. The oscillating magnetic field set up by this current induces a voltage in the secondary winding and the coaxial cable.

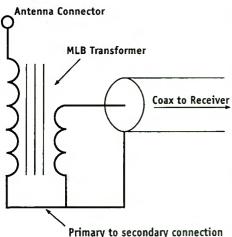


Figure 2. A conventional MLB has a connection that forces the shield of the coax to act as a part of the antenna. More noise pickup is the result.

A relatively new company in the SWL industry has designed a line of products that address this problem. The company is Wellbrook Communications. You can look over their entire catalog at http:// wellbrook.uk.com/. This is a UK company and at present they have no North American sales representative. If you do not have Internet access, you can write them at Wellbrook House, Brookside Road, Bransgore, Christchurch, BH23 8NA, UK.

The Wellbrook approach to low noise, longwire antenna design is shown in Figure 3.

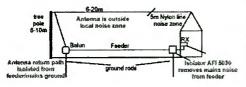


Figure 3. This long-wire antenna design keeps all active parts of the antenna away from noise sources and shunts noise on the house grounding system to earth. The closest part of the antenna is about 17 feet (5 meters) from the house. The vertical part of the antenna is as much as 75 feet (25 meters) from the noise sources in the house. This down-lead wire is what picks up most of the noise on conventionally designed antennas. At the far end of the antenna a transformer isolates the coaxial feed line from the antenna. The bottom of the transformer primary is connected only to its own isolated ground stake in contrast to conventional approaches that connect the bottom of the primary to the coax shield. A low loss ground field consisting of many curried radial wires could be used for maximum efficiency but this would be overkill for receive applications. The coax connects only to the transformer secondary.

The schematic of this transformer looks the same as Figure 2 with the exception

that the jumper between the primary and secondary windings is removed and the bottom of the primary is connected to the ground stake. Burying the coax further helps to minimize any pickup on the shield. The coax shield is connected to the house ground but here an isolator is used to make sure that noise components on the ground system are shunted to earth rather than traveling out the shield to the vicinity of the antenna. I have successfully used RG-6 cable because it is designed for direct burial and is readily available because it is used for satellite TV installations.

Thanks to the folks at Wellbrook for allowing me to use their material for Figures 1 and 3. I have no connection with Wellbrook and have not actually tried their products. I do use a similar antenna design with an isolator

> from The Radio Works in Portsmouth, VA and can vouch for the soundness of the Wellbrook design. I can no longer hear my computer or TV sets on the short-wave bands. If you have local interference, try it. You just may be pleasantly surprised. Until next time, stay tuned.

Listener's Notebook

Al Quaglieri • P.O. Box 888 • Albany, NY 12201-0888 • FAX: (518) 453-0864 • al@alcue.com

NOTE #1: Due to a recent fire at the Bonaire relay station, international broadcasters using that facility may be silent on Bonaire frequencies or have shifted them to other sites. By time this column hits print, the station may have effected repairs and again be operational. In any case, Bonaire relays listed below may or may not be there when you check.

NOTE #2: There is a lot more summer schedule info at hand than I could fit into this month's column. Therefore, for this month ONLY, I will email the additional info to members who contact me at LN@alcue.com. Sorry, I cannot print or distribute hard copy on this additional data.

COPYRIGHT NOTICE Items credited to BBCM are copyright by the BBC Monitoring Service and may not be reproduced without BBCM permission.

AFGHANIST	AN Schedul	e for	Radio	Voice	of	0700-0800	English	9660 12080 15240 15415
Shari'ah:								17580 17750 21725
0100-0330	Pashto/Dar		7084v			0800-0830	English	5995 9710 12080 13605
0330-0800	Pashto/Dar		7084 v Fr					15240 21725
1230-1500	Pashto/Dar		7084v					15415 17750
1500-1530	Urdu		7084 v			0830-0900	English	5995 9710 12080 13605
1530-1545	English		7084v					15240 15415 17750 21725
1545-1600	Arabic		7084v				Indonesian	
1600-1615	Turkmen		7084v			0900-1100	~	11880 13605 17750 21820
1615-1650	Uzbek		7084 v			0900-1100		5995 6020 9710 12080
1650~1700	Russian		7084v			1100-1200	English	5995 6020 9580 13605
(BBCM + Shc	herbakov-KA	Z/DXLI)/Hauser-	OK)				21820
(_,	,			1100-1230	Chinese	9475 11880
ARGENTINA	ARAE. Radio	odifusio	on Argen	tina al	Ex-	1200-1330	English	5995 6020 9580 11650
terior:								21820
0000-0200	Portuguese	11710	Mo-Fr				Vietnamese	
0000-0300	Spanish		Sa/Su			1330-1400	English	5995 6020 9475 9580
0200-0300	English) Mo-Fr					11650 21820
0300-0400	French		Mo-Fr			1400-1700		5995 9475 9580 11650
0800-1200	Spanish		15345 M	o-Fr		1700-1800	English	5995 9475 9580 9815
1000-1200	Japanese) Mo-Fr					11880
1200-1400	Spanish		Mo-Fr			1800-2000	English	6080 7240 9475 9580 9815
1800-1900	English		5 Mo-Fr					11880
1800-2400	Spanish		Sa/Su			2000-2100	English	9500 9580 9815 11880
1900-2000	Italian) 15345 N	In-Fr				12080
2000-2100	French) 15345 N			2000-2100	Tok Pisin	6080 7240 Su–Th
2100-2200	German		5 Mo-Fr			2100-2130	English	7240 9500 9580 9660
2200-2300	Spanish		15345 M	-Fr				11880 12080 17715 21740
2300-2400	Spanish		15345 M					11695 15415
	•					2130-2200	English	7240 9660 11880 12080
(Apr 9/Slaen	-ARG/EDXP/	Padula-	AUS)					17715 21740
						2200-2300		15240
AUSTRALIA					_	2200-2300		17715 17795 21740
0000-0100	-		2080 152		0		Indonesian	
			17795 21	740		2300-2400		15240
0000-0100					-	2300-2400	English	9660 12080 17715 17795
0100-0500			2080 152					21740
			17580 17	/95 217	25	Radio	Australia's	weekend sports program,
0500-0600	Knmer	15415	1//50					weekend sports program,

Radio Australia's weekend sports program, Grandstand, is broadcast on English frequencies from 0200–0800 UT Saturday and 0300–0800 UT Sunday on 9660 12080 17580 and 21725. (Padula-AUS/Bueschel-GER)

9660 12080 15240 15515

9660 12080 15240 15415

15515 17580 17750 21725

17580 21725

0500-0600 English

0600-0700 English

BELGIUM Radio Vlaanderen Internationaal has changed 17735 to 17590 for English to Africa via Julich at 1730–1800 (Brems-BEL/rec.radio.shortwave/ Norfolk/DXLD/Hauser-OK)

BELARUS Radiostantsiya Belarus / Radio Belarus International / Radio Minsk

ILI LO ANECH	actoriac / act	
0100-0130	Belarusian	7210 11670
0130-0200	Belarusian	7210 11670 Mo-Sa
0130-0200	Russian	7210 11670 Su
0200-0230	German	7210 11670 Th
0200-0230	Belarusian	7210 11670 Tu
0200-0230	English	7210 11670 Su/Mo/We/Fr/
		Sa
0230-0300	Russian	7210 11670 Mo
0230-0300	Belarusian	7210 11670 Tu-Sa
0230-0300	German	7210 11670 Su
1900-1930	Belarusian	7210 11960
1930-2000	Belarusian	7210 11960 Mo
1930-2000	English	7210 11960 Tu-Th
1930-2000	Russian	7210 11960 Fr
1930-2000	German	7210 11960 We/Sa/Su
2000-2030	Russian	7210 11960 Mo/Tu/We/
		Th/Sa
2000-2030	Belarusian	7210 11960 Fr/Su
2030-2100	English	7210 11960 Tu/Th
2030-2100	German	7210 11960 We/Sa/Su
2030-2100	Russian	7210 11960 Fr
2030-2100	Belarusian	7210 11960 Mo
(BBCM)		

BOLIVIA New: 4716.8 *Radio Yura*, Yura, Provincia Quijarro, Departamento de Potosi, 1150, "Esta es Radio Yura, La Voz del Layo, recordando siempre que estamos trabajando en onda corta, 4715 de frecuencia en onda corta desde Yura, provincia de Quijarro, departamento de Potos" "...estamos a escasos 5 minutos de las 9 de la manana y pues hasta esta hora hemos acompanado desde Radio Yura, La Voz del Layo, ahora s les decimos que sea hasta horas de la tarde, a partir de las 6 de la tarde estaremos volviendo a vuestra sintonia, amigos oyentes les deseamos que pasen un buen da y que Dios mediante..." (Fontenelle-BOL/Hard Core DX)

BRAZIL 2379.92 *Radio Educadora*, Limeira, Sao Paulo, 0020 Apr 13, possibly the one with play-byplay footbal commentary and nice signal; music and DJ chatter after 0200, but no ID until I gave up around 0230. (Apr 13/Novello-NC)

BULGARIA Radio Bulgaria

0000-0100	Bulgarian	9400 9500 11600 11700
0100-0200	Spanish	9500 9700 11600
0100-0200	French	9400 11700
0200-0300	Russian	5900 7500
0200-0300	English	9400 11700
0300-0400	Bulgarian	5900 7500
0400-0430	Greek	7300
0430-0500	Albanian	7300 Mo-Fr

0430-0500	Greek	7300 Sa/Su
0430-0500	Turkish	6000 7400 Mo-Fr
0500-0545	German	9400 12000
0500-0600	Turkish	6000 7400 Sa/Su
0500-0600	Serbian	7300 Mo-Fr
0600-0700	French	12000 13600
0600-0700	Albanian	7300 Sa/Su
0700-0800	Serbian	7300 Sa/Su
1000-1100	German	15700 17500
1100-1200	English	15700 17500
1200-1500	Bulgarian	7300 13600
1400-1500	Russian	9900 11700 13800
1500-1545	Serbian	7300
1500-1600	Bulgarian	9900 11700 13600 17500
1545-1630	Albanian	7300
1600-1700	Spanish	15700 17500
1600-1800	Bulgarian	9900 11700
1615-1700	German	9400 11800
1630-1715	Greek	7300
1700-1800	French	9400 11800
1715-1800	Turkish	7400
1800-1845	German	9400 11800
1800-1900	Russian	9900 11700
1800-1900	Bulgarian	6000 7400 7500
1900-1945	Albanian	6000
1900-2000	English	7535 9400 11700
1900-2100	Bulgarian	7400 7500
1945-2030	Greek	6000
2000-2100	French	9400 11700
2030-2115	Serbian	6000
2100-2200	English	9400 11700
2115-2215	Spanish	11800 13800
2300-0000	Russian	11900
2300-0000	Spanish	9500 11600
2300-0000	English	9400 11700
(BBCM +Jyan)	-BIII /Bues	chel-GFR)

(BBCM +Ivanov-BUL/Bueschel-GER)

CHINA Official A00 schedule for CRI English services:

0100-0200	9570*
0300-0400	9690
0300-0400	9690
0400-0500	9730 9560
0400-0500	9730
0900-1100	15210 11730
1200-1300	11675 15415 9760
1200-1400	9715 11980
1300-1400	9570* 7405
1300-1400	11675 11900
1400-1500	11825* 15110*
1400-1600	13685 15125
1400-1600	7405
1500-1600	7160 9785
1600-1700	9565 9870
1600-1700	7190 9565
1700-1800	9670*
1700-1800	9570 13700 11910 9695* 9670*
1900-2000	9440 9595*
2000-2100	9440
2000-2130	11735 13640

2000-2200 15110 11790 2200-2300 9880 2300-0000 5990*

Freqs shown as * are advised by the station as "testing." (Padula-AUS/EDXP)

CYPRUS Cyprus Broadcasting Corporation (CyBC) 2215-2245 Greek 6180 7205 9760 Fr-Su (BBCM)

CZECH REPUBLIC Radio Prague, A00 Summer Period 2000:

riod 2000:		
0000-0030	English	11615 13580
0030-0100	Spanish	11615 13580
0100-0130	English	7345 11615
0130-0200	Czech	7345 11615
0200-0230	Spanish	7345 7385 11615
0230-0300	Czech	7345 7385 11615
0300-0330	English	7345 7385 11615
0330-0400	English	11600 15470
0600-0630	French	5930 7345
0630-0700	German	5930 7345
0700-0730	English	9880 11600
0730-0800	Spanish	9880 11600
0800-0830	French	9880 11600
0830-0900	Czech	11600 21745
0900-0930	English	21745
0930-1000	Czech	21745
1000-1030	German	6055 9880
1030-1100	English	9880 11615
1100-1130	Czech	11615 21745
1130-1200	English	6055 21745
1200-1230	German	6055 7345
1230-1300	Czech	6055 7345
1300-1330	English	13580 17485
1330-1400	Czech	13580 17485
1400-1430	Spanish	11600 13580
1430-1500	French	11600 13580
1500-1530	German	5930
1530-1600	Czech	5930 21745
1600-1630	English	5930 21745
1630-1700	French	5930 21745
1700-1730	English	5930 21745
1730-1800	Czech	5930 21745
1800-1830	Spanish	5930 13580
1830-1900	French	5930 13580
1900-1930	Spanish	5930 13580
1930-2000	Czech	5930 11600
2000-2030	English	5930 11600
2030-2100	Spanish	5930 11600
2100-2130	Czech	11600 15545
2130-2200	English	11600 15545
2200-2230	French	11600 15545
2230-2300	English	11600 15545
2300-2330	Spanish	11615 17485
2330-2400	Czech	11615 17485

(Mar 24/R.	Prague/Schaay-HOL/Bueschel-GER)
------------	---------------------------------

ECUADOR HCJB

ECUADOR	HCJB		
0000-0300	Quechua	3220 6080	
00000400	English	9745 15115 21455	
0000-0500	Spanish	6050 15140	
0030-0100	French	9635	
0330-0430	Russian	11865	
0400-0600	English	9745 15115 21455	
04300500	Japanese	11960	
0500-0515	Kikongo	15140	
0500-0530	German	11875	
0530 0600	Slovak	11875 Mo/Fr	
0530-0600	Czech	11875	
0600-0700	English	9745 15115 15160 21455	
0630-0700	French	11875	
0700-0730	Spanish	11875	
0700-0800	English	11755 15160 21455	
0800-0930	Portuguese	9745	
0800-1100	English	11755 21455	
0830-1000	Quechua	3220 6080 9765	
0900-1100	Spanish	9780	
0930-1000	German	11980	
1000-1400	Quechua	3220 6080	
1030-1100	Huarani	6050	
1100-1300	Spanish	6050 11960 15140	
1100-1530	English	12005 15115 21455	
1130-1200	Japanese	15550 17795 21470	
1300-1500	Spanish	6050 15140 17690	
1500-1800	Portuguese	15295	
1500-2130	Spanish	6050 15140	
1530-1630	English	12005 15115	
1600-1615	Bashkir	11760R Su	
1600-1615	Tajik	11760R Tu/Th	
1600-1615	Uzbek	11760R Mo/We	
1600-1615	Tatar	11760R Fr/Sa	
1615-1630	Georgian	11760R Su	
1615-1715	Russian	11760R Mo-Sa	
1630-1715	Russian	11760R Su	
1715-1730	Ukranian	11760R	
1830 1900	Slovak	17795 21470 Mo/Fr	
1830-1900	Czech	17795 21470	
1900-1930	French	17795 21470	
1900-2200	English	17660	
1930-2000	German	17795 21470	
2000-2030	French	17795 21470	
2100-2130	German	17795 21470	
2100-2130	Quechua	3220 6080	
2100-2200	Arabic	12020R	
2130-0000	Quechua	3220 6080 9745	
2130-2230	Spanish	6050 15140 17795 21470	
2200-2300	Japanese	11680	
2230-2300	Spanish	6050 15140	
2300-0230	Portuguese		
2300-2400	German	11980	
2300-2400	Spanish	6050 15140 21455	
R=via Rampisham, UK			
(HCIB website)			

(HCJB website)

INDIA All	India Radio	summer schedule:	1
0000-0045		4790 9835 9910 11740	a
0000 0045	Iunn	13795	F
0015-0100	Urdu	6155 9595	F
0100-0130		9950 13630	I
0100-0200		5990 7125	
0100-0430		6155 9595 11620	
0130-0200		9565 13700	(
0130-0230		3945 6045 9810 11715	(
0215-0300	-	9910 11735 11895 13620	(
0300-0345		9910 11735 11895	
0315-0415		13695 15075 15180 17710	
	Persian	15780	(
0415-0430		17710	(
0430-0530		15075 17710	(
0430-0530		13620 15780	
0700-0800		7250 9595 11850	
0830-1130		9595 11620	
0845-0945			(
1000-1100		11585 13700 15020 17485	(
1000-1100	0.0.5 11	17840 17895	(
1115-1200	Thai	15340 17895	Ċ
1115-1200		13700 15075 15770 17620	(
1115-1215	Iditit	17860	
1145-1315	Chinese	15780 17705	
1215-1245		13700 15770 17620	
1215-1245		11620 11710	
1215-1315		9565 11695	
1215-1350		6165 9620 11585	
1300-1500		15020	
1300-1500		9700 15020	
1315-1415		7255 9910	
1315-1415		3945 4860 6045 11695	
1330-1430		9710 11620 13710	
1415-1530		7255 9910	
1415-1530		4860 6045	
1500-1600		6165 9620 11585	
1515-1600		11620 15175	
		9950	
1515-1615		15140	
1615-1715			
1615-1730 1615-1730		7230 9910 11585 7410 9950 12045 13770	
		9910	
1730-1945			
1745-1945	G.U.S-1V	7410 9950 11620 11935	
10/5 2020	Farmah	13750 15075 15200	
1945-2030		9910 13750	
1945-2045		7410 9950	,
2045-2230	G.O.2-A	7150 7410 9650 9910 9950	2
22/5 00/5	0.001	11715	
2245-0045	0.0.3-1	7410 9705 9950 11620	2
2300-2400	Wind	13625 9910 11740 13795	
		3310 11/40 13/93	
(AIR web si	te)		

INDONESIA According to announcements, effective Apr-01, *Voice of Indonesia* plans to use three transmitters simultaneously for its Japanese service 1130–1200: 9525 11785 and 15150. Currently, only one channel is used—9525. (Mar 19/Yamada-JPN/ EDXP/Padula-AUS) ITALY Radio Speranza (Modena, Italy) is active again on 6231.24v kHz with fair modulation quality. Religious programs in Italian. ID "Radio Speranza." Heard at 2030 UTC; may be 24h? (Apr 19/Magrone-IT/Hard Core DX)

JAPAN NHK/Radio Japan schedule:

JAPAN NH.	K/Radio Jap	an schedule:
0000-0015	English	13650Y 17810Y
0000-0100	English	6145C
01000200	English	9515G 11860I 11870Y
		15325Y 15590Y 17685Y
		17835¥ 17845¥
0130-0200	Bengali	11890S
0200-0230	Hindi	11890S
0200-0300	Japanese	5960C 11840Y 11870Y
		15325Y 15590Y 17685Y
		17810Y 17825Y 17835Y
		17845Y 21610Y
0230-0300	Urdu	11890S
0230-0300	Portuguese	15590F
0230-0300	Persian	9540G
0300-0400	English	17825Y 21610Y
03000400	Japanese	5960C 9540G 9660F
		11840Y 11870Y 11890S
		15325Y 15590Y 17685Y
		17810Y 17835Y
0330-0400	Swahili	6135A
0330-0400	Russian	15570Y
0400-0430	Arabic	9540G
0400-0430	Korean	15570Y
0400-0430	Spanish	9660F
0400-0500	Japanese	11840Y 15590Y
0430-0500	Chinese	15570Y
0430-0500	Russian	15355G
0500-0530	Spanish	11895F 15355G
05000530	French	17820S
0500-0530	Korean	15570Y
0500-0600	English	5975B 6110C 7230B
		11715Y 11760Y 11840Y
		13630Y 15590Y 21570Y
0530-0545	Italian	15355G
0530-0600	Chinese	15570Y
0545-0600	Swedish	15355G
0600-0630	Russian	11715 11760 Y
0600-0630	German	15355G
0600-0700	English	7230B 11740I 11840Y
	-	13630Y 15230Y 21570Y
0630-0700	Chinese	17860Y
0630-0700	Bengali	15590Y
0630-0700	French	15355G
0700-0730	Hindi	15590Y
0700-0730	Arabic	15220A
0700-0800	Japanese	6145Y 6165Y 11740I
		11840Y 11920I 15230Y
0720 0000	11	21570Y
0730-0800	Urdu Russian	15590Y 6145 6165 Y
0000-0030	Russian	0145 0105 1

0800-0900					
0000-0300	Japanese	6145Y 6165Y 9530F 9750Y 9835Y 11710B 11740I	2000-2100	Japanese	6035I 6165Y 9725Y 11850Y 11910Y 11665Y 13680Y
		11840Y 11920I 12030Y 15230Y 15590Y 17650A	2100-2200	English	6035I 6115B 9725Y 9810B 11850Y 11855A 17825Y
		21550G 21570Y	2100-2200	Japanese	11665Y 11910Y 13680Y
0830-0900	-	17820S	2200-2300	Japanese	6110C 6115B 11895F
0900-1000	Japanese	9530F 9750Y 9835Y			11910Y 13680Y 15220A
		11710B 11815Y 11920I		**	17825Y
		12030Y 15230Y 15590Y	2210-2230 2230-2250		9560Y
0930-1000	Indonesian	17650A 21550G 21570Y	2240-2300		9560Y 13650Y
1000-1030		12030Y 15230Y 15590F	2240-2300		17810Y
1000-1100		9695Y 15590Y 21570Y	2300-2320		13650Y
	Japanese	9750Y 11815Y 12045S		Indonesian	
1030-1045	Italian	21700G	2300-2400	Japanese	11910Y 13680Y
1030-1100	Burmese	11740I	2320-2340	Vietnamese	17810Y
	Portuguese		2320-2340		13650Y
1045-1100		21700G		Indonesian	
	Vietnamese		2340-2400	Chinese	13630Y 17810Y
1100-1130		9660B 11710B	A=Ascension	n	
1100-1130		6090Y	B=UK		
1100-1200	-	6120C 9695Y 15590Y	C=Sackville,		
1130-1200	Indonesian			ry, French Gu	iana
1130-1200		6190Y 11740I	G=Moyabi, G		
1130-1200		117401 11710B	I=Singapore		
1200-1230		6190Y	S=Ekala, Sri		
1200-1230		17790A	Y=Yamata, J		
1200-1230		9695Y	(Kolesov/NF	IK/Bueschel-	-GER)
	Vietnamese		100041		
1230-1300		9695Y			d on these freqs, some of
1230-1300	Indonesian	13660Y	which are n	-	
1230-1300	French	15400A 17790A	6105	2000-2100	
1230-1300	Chinese	6190Y 11740I	9830 11810	2000-2100	
	Malay	9695Y	11960		0, 2100-2200 00, 0500-0600
1300-1330	- includy		11900	2200-230	
1300-1330	Russian	6190Y	13630	2100-220	n
	Russian	9750Y 11705C 11815Y	13630 15435	2100-220	
1300-1330 1300-1500	Russian Japanese	9750Y 11705C 11815Y 12045S	15435	0500-0600	0 0, *2100-2200
1300-1330 1300-1500 1330-1400	Russian Japanese Thai	9750Y 11705C 11815Y 12045S 9860Y		0500-0600	
1300-1330 1300-1500 1330-1400 1400-1430	Russian Japanese Thai Korean	9750Y 11705C 11815Y 12045S 9860Y 6190Y	15435 (Padula-AUS	0500-0600 S/EDXP)	0, *2100-2200
1300-1330 1300-1500 1330-1400	Russian Japanese Thai Korean	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y	15435 (Padula-AUS KIRIBATI 1	0500-0600 5/EDXP) I got in tou	0, *2100–2200 ch with Bill Reiher Station
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500	Russian Japanese Thai Korean English	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S	15435 (Padula-AUS KIRIBATI I Manager Ra	0500-0600 S/EDXP) I got in toue dio Kiribati	0, *2100–2200 ch with Bill Reiher Station . The station is off the air,
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500	Russian Japanese Thai Korean English Chinese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y	15435 (Padula-AUS KIRIBATI I Manager Ra	0500-0600 S/EDXP) I got in toue dio Kiribati	0, *2100–2200 ch with Bill Reiher Station
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520	Russian Japanese Thai Korean English Chinese French	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on t	0500-0600 S/EDXP) I got in touc dio Kiribati transmitter p	0, *2100–2200 ch with Bill Reiher Station . The station is off the air, parts. (Talbot/Hard Core DX)
1300-1330 1300-1500 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600	Russian Japanese Thai Korean English Chinese French English	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on t	0500-0600 S/EDXP) I got in tou d <i>io Kiribati</i> transmitter p DUTH) Radi	0, *2100–2200 ch with Bill Reiher Station . The station is off the air,
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600 1500-1600	Russian Japanese Thai Korean English Chinese French English Japanese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S	15435 (Padula-AUS KIRIBATI : Manager Ra waiting on (KOREA (SO	0500-0600 S/EDXP) I got in tou d <i>io Kiribati</i> transmitter p DUTH) Radi	0, *2100–2200 ch with Bill Reiher Station . The station is off the air, parts. (Talbot/Hard Core DX)
1300-1330 1300-1500 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600	Russian Japanese Thai Korean English Chinese French English Japanese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y	15435 (Padula-AUS KIRIBATI : Manager Ra waiting on t KOREA (So Summer 200	0500-0600 S/EDXP) I got in touc dio Kiribati transmitter p DUTH) Radi 200:	0, *2100–2200 ch with Bill Reiher Station . The station is off the air, parts. (Talbot/Hard Core DX) to Korea International,
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600 1500-1600	Russian Japanese Thai Korean English Chinese French English Japanese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 200 0700-0800	0500-0600 S/EDXP) I got in touu dio Kiribati transmitter p DUTH) Radi DO: Korean	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) co Korea International , 7550 9535S
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600 1500-1600	Russian Japanese Thai Korean English Chinese French English Japanese Japanese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 2000 0700-0800 0700-0800 0800-0900 0900-1100 1100-1200	0500-0600 S/EDXP) I got in touo dio Kiribati transmitter p DUTH) Radi D0: Korean English Korean Russian	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 50 Korea International , 7550 9535S 13670 5975 7275 13670 5975 6135 7275
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1520 1500-1600 1500-1600 1600-1700	Russian Japanese Thai Korean English Chinese French English Japanese Japanese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 2000 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400	0500-0600 G/EDXP) I got in touo dio Kiribati transmitter p DUTH) Radi DO: Korean English Korean Russian English	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 60 Korea International, 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640
1300-1330 1300-1500 1430-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600 1500-1600 1600-1700	Russian Japanese Thai Korean English Chinese French English Japanese Japanese Japanese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 2000 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400 1600-1700	0500-0600 G/EDXP) I got in touo dio Kiribati transmitter p OUTH) Radii DO: Korean English Korean Russian English English	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 50 Korea International , 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1520 1500-1600 1500-1600 1600-1700	Russian Japanese Thai Korean English Chinese French English Japanese Japanese Japanese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A 9505Y 9825Y 12000Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 200 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400 1600-1700	0500-0600 S/EDXP) I got in touo dio Kiribati transmitter p OUTH) Radii OO: Korean English Korean Russian English English Russian	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 60 Korea International, 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600 1500-1600 1600-1700 1700-1800	Russian Japanese Thai Korean English Chinese French English Japanese Japanese Japanese English	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A 9505Y 9825Y 12000Y 15355G	15435 (Padula-AUS KIRIBATI : Manager Ra waiting on the KOREA (SI Summer 200 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400 1600-1700 1600-1700 1700-1800	0500-0600 S/EDXP) I got in toud dio Kiribati transmitter p OUTH) Radi Oo: Korean English Korean Russian English English English Russian French	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 6 Korea International, 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975 15575 7275
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600 1500-1600 1600-1700 1700-1800 1700-1800 1800-1820	Russian Japanese Thai Korean English Chinese French English Japanese Japanese Japanese English French	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A 9505Y 9825Y 12000Y	15435 (Padula-AUS KIRIBATI : Manager Ra waiting on the KOREA (So Summer 200 0700-0800 0800-0900 0900-1100 1300-1400 1600-1700 1600-1700 1700-1800 1700-1900	0500-0600 S/EDXP) I got in toud dio Kiribati transmitter p OUTH) Radi DO: Korean Russian English Korean Russian French Korean	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) io Korea International , 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975 15575 7275 5975 7550 15575
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1430-1500 1500-1520 1500-1600 1500-1600 1600-1700 1700-1800	Russian Japanese Thai Korean English Chinese French English Japanese Japanese Japanese English French	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A 9505Y 9825Y 12000Y 15355G 7255Y 11785Y 12000Y 6035Y 6175B 9835Y 9860Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on W KOREA (So Summer 200 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400 1600-1700 1700-1800 1700-1800 1700-1900	0500-0600 S/EDXP) I got in toud dio Kiribati transmitter p OUTH) Radi OO: Korean Russian English Russian French Korean Russian	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 60 Korea International , 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975 15575 7275 5975 7550 15575 15360S
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1500-1520 1500-1520 1500-1600 1500-1600 1600-1700 1700-1800 1700-1800 1800-1820 1800-1900	Russian Japanese Thai Korean English Chinese French English Japanese Japanese Lapanese English French Japanese	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A 9505Y 9825Y 12000Y 153556 7255Y 11785Y 12000Y 6035Y 6175B 9835Y 9860Y 11880S 15355G	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 200 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400 1600-1700 1700-1800 1700-1800 1700-1900 1800-1900	0500-0600 S/EDXP) I got in touc dio Kiribati transmitter p OUTH) Radi DO: Korean Russian English English English English Russian French Korean Russian German	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 6 Korea International , 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975 15575 7275 5975 7550 15575 15360S 6480 7275
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1500-1520 1500-1520 1500-1600 1500-1600 1600-1700 1700-1800 1700-1800 1800-1820 1800-1820 1820-1840	Russian Japanese Thai Korean English Chinese French English Japanese Japanese English French Japanese Spanish	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A 9505Y 9825Y 12000Y 15355G 7255Y 11785Y 12000Y 6035Y 6175B 9835Y 9860Y 11880S 15355G 12000Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 200 0700-0800 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400 1600-1700 1600-1700 1700-1800 1700-1900 1800-1900 1800-1900	0500-0600 S/EDXP) I got in tour dio Kiribati transmitter p DUTH) Radi DO: Korean Russian English Russian English Russian French Korean Russian German French	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 6 Korea International, 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975 15575 7275 5975 7550 15575 15360S 6480 7275 6145S
1300-1330 1300-1500 1330-1500 1400-1430 1400-1500 1500-1520 1500-1520 1500-1600 1500-1600 1600-1700 1700-1800 1800-1820 1800-1820 1800-1820 1820-1840 1840-1900	Russian Japanese Thai Korean English Chinese French English Japanese Japanese English French Japanese Spanish Russian	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A 9505Y 9825Y 12000Y 15355G 7255Y 11785Y 12000Y 6035Y 6175B 9835Y 9860Y 11880S 15355G 12000Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 200 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400 1600-1700 1600-1700 1600-1700 1700-1800 1700-1900 1800-1900 1800-1900 1800-2000	0500-0600 G/EDXP) I got in toud dio Kiribati transmitter p DUTH) Radi DO: Korean English English English Russian French Korean Russian German French English	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 60 Korea International, 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975 15575 7275 5975 7550 15575 15360S 6480 7275 6145S 5975 7275
1300-1330 1300-1500 1330-1400 1400-1430 1400-1500 1500-1520 1500-1520 1500-1600 1500-1600 1600-1700 1700-1800 1700-1800 1800-1820 1800-1820 1820-1840	Russian Japanese Thai Korean English Chinese French English Japanese Japanese English French Japanese Spanish Russian	9750Y 11705C 11815Y 12045S 9860Y 6190Y 9505Y 9860Y 11730Y 11880S 6190Y 11785Y 9750Y 9860Y 11730Y 9505Y 11895Y 12045S 6035Y 7140Y 9505Y 9750Y 9860Y 11730Y 11895Y 12045S 15145A 6035Y 6175B 7140Y 9835Y 9860Y 11880S 15115B 21600F 21630A 9505Y 9825Y 12000Y 15355G 7255Y 11785Y 12000Y 6035Y 6175B 9835Y 9860Y 11880S 15355G 12000Y	15435 (Padula-AUS KIRIBATI Manager Ra waiting on the KOREA (So Summer 200 0700-0800 0700-0800 0800-0900 0900-1100 1100-1200 1300-1400 1600-1700 1600-1700 1700-1800 1700-1900 1800-1900 1800-1900	0500-0600 S/EDXP) I got in tour dio Kiribati transmitter p DUTH) Radi DO: Korean Russian English Russian English Russian French Korean Russian German French	0, *2100-2200 ch with Bill Reiher Station . The station is off the air, arts. (Talbot/Hard Core DX) 6 Korea International, 7550 9535S 13670 5975 7275 13670 5975 6135 7275 9640 5975 15575 7275 5975 7550 15575 15360S 6480 7275 6145S

2100-2130	English	3980S 6480		
2100-2200	Korean	5975		
2300-0100	Korean	5975		
S=via Skelton, UK (Koch-GER/Bueschel-GER)				

MEXICO The "Other" Mexican Shortwave Stations:

XEUJ, Radio Linares. In contact with Lic. Sergio Jahaziel Becerra, Director General, he informs us that they are carrying out negotiations and necessary technical adjustments to improve the signal and increase coverage. Nevertheless, he does not give any tentative airdate.

XEYU, Radio UNAM, in spite of having some excellent installations, and renovated equipment for MW and FM, it is a real shame that its SW transmitter has not been updated, and is now more than 50 years old (I believe). We have already commented on the trouble the technical personnel have to go through when some tube quits working, and replacing it causes work and above all monetary costs. Even so, a great effort is being made to get the signal on 9600 kHz, which to tell the truth is very difficult to hear outside Mexico.

XEFT, La Jarocha. We heard comments last year from its director about a possible reactivation of 9545 kHz. Lamentably, it seems they have not been successful, since several months have gone by without any news. We suppose they are still working on this, but since there has been no response to our inquiry, we are unaware of the details.

XERTA, Radio Transcontinental de America. Several months after turning off the transmitter for an improvement in its power and antenna, it has not resumed being heard on 4800 kHz. We had been informed that they would resume programming in December, probably on new 4810 to avoid interference from R. Cultural [rather, Radio Buenas Nuevas, Guatemala -gh] and from a station in China [? On 4800? gh]

Radio Huayacocotla continues broadcasting on 2390 kHz. La Voz de los Campesinos is a community radio station, really worth tuning in; for now they have no QSL cards, but certainly the director, Lic. Martha Silvia Ortiz will reply in a kind manner. Remember that it uses only 500 watts. (Alegria-MEX/ Nayarit DX Club/DX Listening Digest/Hauser-OK)

MONGOLIA Summer sked in English appears to be:

1030-1100	English	12085v
1500-1530	English	12015 12085
2200-2230	English	12015 12085

(Silvi + Seufert/DX Listening Digest/Hauser-OK)

NEW ZEALAND Here is the latest of the everchanging Radio New Zealand International schedules:

0706-0959 11720

1000-1205	11720
1206-1505	6100 occ. special events
1506-1650	6145 occ. special events
1650-1850	6145 Mo-Fr
1851-1950	11725 Mo-Fr
1855-1950	11725 Sa/Su
1951-0705	17675
1955-0705	17675 Sa-Su
(Sainsbury/RM	VZI)

PAPUA NEW GUINEA Radio Western Highlands (3305) is off air for an indefinite period according to a report in today's "National" newspaper in Port Moresby. Staff are demanding the provincial government provide 24-hour security and replace vehicles stolen by thieves. In the latest incident, the station manager and driver were held up at gunpoint at a roadblock and their vehicle was stolen. Two vehicles were lost to thieves last year, and the transmitter was vandalised. Thieves also broke into the station manager's office. (Mar 31/Francis/EDXP/Padula-AUS)

3345 **Radio Northern** (non). A report heard on 4890 news was that the Radio Northern transmitter building has gone up in flames after an apparent electrical fault. An investigation is underway as the land used for the transmitter building has been the subject of land payment claims since 1972. The transmitter may be relocated as part of the rebuilding process, though no indication was given as to when the station would be back on air (Apr 17/ Jary-AUS/Cumbre DX)

PERU 5460.43 *Radio Bolivar*, Bolivar; I received a phone from Julio Davila Echevarria, the station owner and director, sending kindly message of "Gracias por escucharno en onda corta" to all DXers. According to him, the station broadcasts at two times a day: 1100–1300 (morning transmission) and 2200–0100 (evening transmission) daily. Reports will be confirmed by QSL letter and should be sent to: Correo Central, Bolivar, Provincia de Bolivar, Departamento de La Libertad, Peru. Mail dalivery may be via Cajamarca route. (Mar 21/TIN-JPN/Relampago DX)

RUSSIA Voice of Russia in English:

0100-0300	7125 9480 12070 15455 17565 17660
	17690 21755
1200-1300	9945 15510 15460 15560
1300-1400	9945 15510 15560
1500-1600	12055 15005 15515
1700-1800	7300 9720
1900-2000	9720 11630 11980 15350 15455
2000-2100	9450 9710 9720 12070

(Mikhailov-RUS/RUS-DX/Bueschel-GER)

17266 (0805-1205) Murmansk local Radio (SSB mode). The relay of the program for fishermen. Bcing is noted at 0820 *Radio Station "Atlantika"* (SSB mode). (Mar 21/Slavutskiy-RUS/RUS- DX) Times may be one UT hour earlier now (Hauser-OK)

4940 Yakutiya noted for the first time the **Rep Radio "Miks-Master**" on Apr, 4 at 2250 on the freq 4940. The station has a standard commercial-musical format. There was an announcement of the telephone numbers in Yakutsk 42-03-02, 42-03-04, but without mentioning any addr. The freqs were also announced—102.5 and 4940. (Kovalenko-RUS/ MIDXB/RUS-DX)

Schedule of Radio Free Chechnya:

0200-0500	7335 12045
0500-0515	11985 12045
0515-0700	11985 12045 15620
0700-0800	11985 12045
0800-1315	11985 12045 15620
1315-1400	7335 11985 12045 15620
1400-1415	7335 12045
1415-1700	7335 7345 12045
1700-1715	7335 7345
1715-2000	7335 7345 9940

(Mar 26/Ivanov-BUL/Bueschel-GER)

SLOVAKIA	Radio Slo	ovakia	schedule,	Summer
2000:				
0100-0130	English	5 9 30	7230 9440	
0130-0200	Slovak	5930	7230 9440	
0200-0230	French	59 30	7230 9440	
0700-0730	English	9440	15460 17550	
0730-0800	Slovak	9440	15460 17550	
0800-0830	German	5915	6055 7300	
1300-1330	Russian	9440	11990 13715	
1330-1400	German	5915	6055 7345	
1500-1530	Russian	5920	7345 9535	
1530-1600	Slovak	5920	6055 7345	
1600-1630	German	5920	6055 7345	
1630-1700	English	5920	6055 7345	
1700-1730	French	5920	6055 7345	
1730-1800	Russian	5920	7345 9485	
1800-1830	German	5920	6055 7345	
1830-1900	English	5920	6055 7345	
1900-1930	Slovak	5920	6055 7345	
1930-2000	French	5920	6055 7345	

(Mar 26/Buckby-UK/Bueschel-GER)

SOLOMON ISLANDS The Solomon Islands Broadcasting Corporation has installed a new shortwave transmitter in Honiara to improve its signals to most parts of the country. The new transmitter, which carries SIBC's national service, Radio Hapi Isles, broadcasts on shortwave 5020. (BBCM/DXLD/Hauser-OK/EDXP/Padula-AUS)

SOUTH AFRICA Channel Africa summer 2000:

0300-0325	Swahili	6095
0300-0330	English	6035
0330-0355	French	6035
0400-0430	English	5955
0430-0455	Portuguese	3345 5955

0430-0455	French	9525
0500-0530	English	11720
0530-0555	Portuguese	11720
0600-0630	English	15215
0630-0655	Portuguese	15215
1300-1455	English	11720 21725 Sa
1300-1455	English	11720 17780 Su
15001530	English	17770
1500-1530	Swahili	17780
1530-1555	French	17770
1600-1630	Swahili	17860
1600-1630	English	9525
1630-1655	French	17860
16301655	Portuguese	3345 9525
1700-1730	English	17860
1730-1755	Portuguese	17860
1800-1830	English	17870
1830-1855	French	17870
(Channel Afric	ca web nage)	

(Channel Africa web page)

THAILAND	Radio Thailan	d A-00 schedule:
0000-0030	English	9690* 9655 11905
0030-0100	English	15395* 9655 11905
0100-0200	Thai	15395* 9655 11905
0300-0330	English	15390* 9655 11905
0330-0430	Thai	15395* 9655 11905
0530-0600	English	15445* 9655 11905
1000-1100	Thai	11805* 9655 11905
1100-1115	Vietnamese	7260* 9655 11905
1115-1130	Khmer	7260* 9655 11905
1130-1145	Lao	6030* 9655 11905
1145-1200	Burmese	6030* 9655 11905
1200-1215	Malaysian	11805* 9655 11905
1 21 5–1230	Indonesian	11805* 9655 11905
1230-1300	English	9885* 9655 11905
1300-1315	Japanese	11850* 9655 11905
1315-1330	Mandarin	11850* 9655 11905
1330-1400	Thai	11955* 9655 11905
1400-1430	English	9830* 9655 11905
1800-1900	Thai	9680* 9655 11905
1900-2000	English	7195* 9655 11905
2000-2015	German	9680* 9655 11905
2015-2030	French	9680* 9655 11905
2030-2045	English	9690* 9655 11905
2045-2115	Thai	9535* 9655 11905

*=via IBB facility at Udorn (Apr 1/Nieuwenhuis-HOL/EDXP/Padula-AUS)

UKRAINE Tentative sked of Radio Ukraine International:

0000-0100	English	5905 6020 9640
0100-0200	Ukrainian	5905 12045 13590
0200-0300	Ukrainian	6020 9640 12045 13590
0300-0400	Ukrainian	13590
0300-0400	English	6020 9640 12045
0400-0500	Ukrainian	6020 9640 11840 13590
0500-0600	Ukrainian	9620 11840 13590
0600-0700	Ukrainian	9620 9640 11705 11840
		13590
0700-1100	Ukrainian	9620 9640 11705 11840
		13590 21520

1100-1200	Ukrainian	9640 11705 11840
		12045 13590 21520
1100-1200	English	21520
1200-1400	Ukrainian	9640 11705 11840
		12045 13590
1400-1700	Ukrainian	9640 11705 11840 12045
1700-1800	Ukrainian	11705 11840
17001800	German	5905 9640 12045
1800-1900	Ukrainian	9640 11840 12045
1900-2000	Ukrainian	5905 6020 9640 12045
		15530
2000-2100	German	5905 6020 9640 11950
		12045
2000-2200	Ukrainian	15530
2100-2200	English	5905 6020 9640 11950
2200-2300	Ukrainian	5905 6020 9640 11950
2300-2400	Ukrainian	13590
2300-2400	German	5905 6020 9640 11950
(Egorov-UKR/	RUS-DX/Bue	schel-GER)

URUGUAY 6045.15 Sarandi Sport, 1441–1454+, 21 April, comments abt cycling competition in URG, rpts from mobile units nr's 1 & 2, from Paysandu & Maldonado, ads 'Televisor Grundig', Productos Cativelli' & 'Bianchi, la ferreteria que mas vende', hrd thanks to info provided by HAN (Barrera-ARG)

VIETNAM Around 1155–1215 on Mar-28 the following domestic freqs were audible here in Bangkok:

Hanoi: 5035 and 6165 in // with Hmong Service, signing on at 1200; 5925 and 6020 in //, presumably 1st Domestic Service in Vietnamese; 5970 New freq, //7210 in Vietnamese to 1200 then continuing in Vietnamese; possibly 2nd Domestic Service; also noted //7210 around 0130 on Mar-26; 7210 in Vietnamese to 1200, then switch to Cambodian (not // External Service Cambodian on 7285); 4960 and 9875 still appear to be inactive.

** Update: Just to correct myself, a check of the few parallel MW channels audible here last night suggests that it should be the 1st Program of Voice of Vietnam on 5970 & in part on 7210, with the 2nd Program on 5925 & 6020. 5970 sounds rather undermodulated most of the time, Mar-30. Provincials: Lai Chau just below 6383, with usual long, haunting melody on wind instrument with strings accompanying, from around 1155 to sign-on announcement at 1200; Lao Cai just below 5598 with 'wobbly' carrier, and in // on 6695 Son La on 4796; Cao Bang on 6501v with 'wobbly' carrier, producing variable heterodyne with Qinghai 6500 sounds just like an old- fashioned ambulance siren Presumed Ha Giang on approx 7156.5, little audible except carrier. No trace recently of Yen Bai, last noted around 6387 several months ago (Davies/ EDXP/Padula- AUS)

7115 is another NF for Voice of Vietnam domestic sces—rather an idiotic choice, as it's co-channel with the longstanding Radio Thailand domestic channel at the same hours. The current schedule for the 1st & 2nd prgrams looks like this, but most timings are approximate or presumed:

1st Prgr:? 2200-1600 (Fri -1700) on 5970 & 7115, and with opt-outs? 2200-1600 daily on 7210

2nd Prgr:? 2200-1600 on 5925 & 6020 and 0155v-1000 on 7285

I believe the 'new' regional on 6564v is probably Yen Bai ex 6387v (but ID not confirmed), noted around 1300 on Apr-03 with rather weak signal and poor audio. (Davies/EDXP/Padula-AUS)

WESTERN SAHARA Polisario Radio has moved to 7460 kHz following the appearance of RTM Morocco on its previous 7470 frequency. The Polisario Front campaigns for an independent Western Sahara. There has been a recent clampdown on the Moroccan domestic media, following attempts to criticize Morocco's policy towards the disputed Western Sahara.

According to the Polisario radio's web site (http://web.jet.es/rasd), it broadcasts from Bir Lehlu in a Polisario-controlled part of Western Sahara, about 200 km south-west of Tindouf, Algeria—although this has not been confirmed. (BBCM/ DXLD/Hauser) [guess this should be under CLAN-DESTINE...oh well-AQ]

This month's cover was first used on the October 1981 FRENDX. It features four older covers from different eras.

Pirate Radio Report

Chris Lobdell • P.O. Box 146 • Stoneham, MA 02180-0146 • clobdell@mediaone.net

Hello and welcome to the May 2000 edition of the **Pirate Radio Report**! The Spring season is well along with us and hopefully your weather has been better than what we have been having up here in Massachusetts.

Spring and summer bring longer daylight which means that the 6955 kHz pirate band should propagate well all through the evening and night. Absorption of the signal will limit daytime reception to short distances. Look for some more Europirate operation around 15040-15070 kHz on Saturday evenings.

The ACE Changes Publishers

The pirate/clandestine newsletter The ACE [Association of Clandestine Radio Enthusiasts] has a new publisher with the May 2000 issue. It is John T. Arthur of Belfast, New York. If you would like a sample issue or to subscribe, the new address for this is: John T. Arthur, 7994 Route 19, Belfast, NY . 14711-8702. A one year subscription to the ACE in the US is \$21.00. Good luck JTA!

A hearty thanks go to Pat Murphy and Steve Rogovich for doing the publishing duties for the past few years.

Loggings [Lots of Europirates!]

Many thanks go to the following contributors. Ralph Brandi-NJ, Ross Comeau-MA, Fred Kohlbrenner-PA, Lee Silvi-OH, George Zeller-OH.

Jimmy The Weasel, 6955.3 USB, Noted on March 24th from 0428 UTC with the usual comments about "your stinkin' mamma". [Comeau-MA]

The Europirate Laser Hot Hits, was logged March 25^{th} at 0407 UTC on 6219 kHz. Music heard included "Seasons In The Sun" and other oldies. [Comeau-MA].

RBCN [Radio Bob's Communication Network], was logged on 2nd April at 0110 UTC on 6955 kHz USB. This was the Stevie Nicks commemorative program #22. [Zeller-OH] Sed no QSLs as this was a repeat program. [Silvi-OH]

Radio Blue Star, a Dutch Europirate, was heard on April 9th at 0035 USB with talking by a male announcer in English. Lots of old rock music on 6295 kHz. [Comeau-MA] Also noted on April 16th at 0150 UTC with the ID: "Best radio from The Netherlands...48 meter band...Radio Bluestar" [Kohlbrenner-PA]

Radio East Coast Holland, a Dutch Europirate was logged in PA in 11484.95 kHz on April 15th at 2332 to 0147 sign off. Euro/US pop music, IDs and address given as Box 663, 7900AR Hoogeveen, Holland. [Kohlbrenner-PA] Also heard here in Massachusetts. [Lobdell]

Radio Nova International, logged April 16th at 0310 USB on 6285.35 kHz with frequent IDs. Pop music including "House Of The Rising Sun". [Kohlbrenner-PA]

WHYP, Heard on April 8th with "K-Tel Record Night" and occasional interjections from Jimmy The Weasel. Program was in memory of James H. Brownyard, an American pioneer broadcaster. [Brandi-NJ]

WMF0, Logged with alternative rock music including Elton John's version of "Lucy In The Sky With Diamonds" on April 9th at 0108 UTC on 6954.35 kHz USB. [Comeau-MA]

Voice Of Captain Ron Shortwave, was noted on April 16th on 6949.1 USB at 0240 UTC. Frequent IDs were given and an email address for reception reports. Lots of pop and rock music was played. [Comeau-MA]

Pirate Popularity Poll

Don't forget to vote for your best and worst pirate station for our poll coming up in June. Send your ballot in today.

CIA/

Happy Pirate DX!

-Chris

QSL Report

Sam Barto • 47 Prospect Place • Bristol, CT 06010

Que Huong Vietnamese Radio & Newspaper 2179 5. White Rd, Sule 165, San Jose, CA 55166 Tet: (400) 223-3130 Fee: (400) 223-3131 Email: OriFladio@iod com: Vieto stile. www.quetwoorganedia.com

> also submitted by Glotzbach

Dear Richard.

San Jose 08 February 2000

Thank you for your communication of 8 Feb 2000 telling us of the programming you received 3 Feb 2000 at 17,510 Khz, 2344-2359 UTC. Monitoring of our broadcasts is important for the technical information we receive, as well as for information about our audience. Additionally, the stories of our listeners augment dimension of our transmissions, putting a "face" at the leading end of the shortwave.

As background, you should know that Que Huong Radio is a private Vietnamese Broadcasting Corporation mainly serving the Vietnamese American in the Northern California, United States since 1994. Que Huong Radio is the only 24 hour daily, all Vietnamese station outside Vietnam. We are broadcasting on 1120AM frequency.

Also, we have two one-hour programs sent daily to Vietnam on shortwave frequencies, as follows:

13.00-14.00 UTC at 9930 Khz 23.00-24.00 UTC at 17510 Khz

23.00-24.00 UTC at 17510 Khz

On shortwave programs which mainly broadcasted to Vietnam, we are trying to promote freedom and human rights for all Vietnamese people in Vietnam.

If you have any friend who is shortwave listener, please encourage him to send reception reports to us at above address. Reports can be in English and Vietnamese.

Again, thank you and enjoy your time on shortwave radio.

PLEASE NOTE: Unless otherwise noted all QSL illustrations in this month's Column are from the collection of <u>Richard D'Angelo</u>. Thanks for sending them in...Sam.

ALASKA: HAARP 3390 and 6990 f/d "Antenna" * cd. in 12 ¹/₂ mo. after a f/up rpt.(Kusa-

- ARMENIA: Radio Free Asia 9400 lik). via Kamo p/d ltr. in 3 mo.(Barto). 9345 p/d ltr. w/ sticker in 2½ mo.(Barto-CT). 9365 via Yerevan p/d ltr. w/ sticker and
- * schedule in 5 wks.(Barto). <u>Trans World</u> <u>Radio</u> cd. w/ personal note in 3 wks. v/s Annamarie Dobos. (Field-MI).
- ASCENSION ISLAND: Radio Japan 15220 f/d "Paper String Art - Treasure Ship" cd. w/ pennant and a pocket calendar in 5 wks.(Barto). 17885 same as above in 2 mo.(Barto-CT).
- ASIATIC RISSIA: Radio Canada International 7360 via <u>Chita</u> f/d cd. in 2 wks. v/s Bill Westenhaver, Audience Relations at RCI. (Field-MI). same in 2 wks. (Craighead-KS). <u>Radio Nederlands</u> 17570 via

Khabarovsk f/d cd. in 2 mo.(Field-MI). 5930 f/d cd. in 6 wks. This was my 1500th SW station QSLed! (Field-MI)...Congratulations. Sam. 12065 via <u>Irkutsk</u> f/d "Sheep Jaula" cd. w/ schedule in 1 mo. (Barto-CT). <u>China Radio</u> 9450 via <u>Petropavlovsk-Ramchat-</u> sky f/d ltr. in 7 wks. v/s Richard E. Adams, Director. (Barto). <u>Voice of America</u> 7390 via <u>Novosibirsk</u> f/d "US Capitol at Night" cd. in 86 ds.(Davis-NM). 12065 via <u>Petropavlovsk-Kamchatskiy</u> f/d cd. in 102 ds. Card listed site as "Petropavlovsk" which is not correct. (Davis-NM).

AUSTRALIA: Radio Australia 9445 and 11880 via Shepparton f/d "ABC Southbank Centre" cd. w/ schedule in 9 wks.(Barto-CT).

 BETARUS: Radio Belarus International 7105 and 7210 via Kalodziacy f/d "19th Centuary Polychrome Tile" cd. in 2½ mo. w/ schedule and a pocket calendar. (Barto-CT).
 BEIGIUM: Radio Vlaanderen International 21630, 13760 and 9925 f/d "Chicons au Gratin" cd. in 1 mo. (Barto). Radio Television Belgie de la Communaute Francaise 17570 f/d cd. in FR/EG in 25 ds. Also rcvd. schedule in Fr and a station sticker.(Glotzbach).
 BHUTAN: Enutan Broadcast-





GHBC 中國華藝廣播公司	Radi	o Vlaanderen International
	1198	0 f/d "Beginenohf" cd. in 17
0.00	ds.	(Borokowski-NY).
		A: Voice of America 15445
		"US Capitol" cd. in 6 wks.
		to). 13710 f/d "Canyonlands
		onal Monument in Utah" cd.
广播收听证	in	5 ds.(Humenyk). f/d "Capi-
		cd. in 5 wks.(Barto-CT).
		ZYG525 Emissora Rural - A
Richard A. D'Angelo 听友:		do Sao Francisco 4945 f/d
		crolina Aerial View" cd. for
我司收到您关于1999年12 月17 日的广播;		
of the state of th		7 reception. Sticker rcvd.
听报告,频率 11590 KHZ,本地时间 10:39 ~ 11:10 (北京时间)	rou	correct John, I think they
符合我公司节目内容。希望您继续收听和关心我。		clearing upoa backlog of
	rep	ortsSam. (Sgrulletta-NY).
司的广播情况。(我公司短波广播频率有:4940K!		cd. w/ station photo and de-
	cal	in 4 mo. for a PT rpt, f/up
6185KHz、4830KHz、11590KHz。)	and	ms. v/s Lourinaldo Cavalcan-
特此证明	i ti /	ndrade. (Myers-VA). 4945.1
13 10 12 - 73		cd. w/ station photo in 2
mo. for a PT rpt. Decal revd. Addr: Praca 1		
Petrolina - PE, Brasil.(Barto-CT).Radio Ga	noba 11015 r	
Petrolina - PE, Brasil. (Barto-CI). Radio Ga	ucial II915 IC	VO. a o panel forder in Fr,
SP and EG in 3 wks. for a registered rpt.(GIOCZDACH/.	AG201 Radiocillusola Pocos
de Caldas Ltda. 4945 p/d 3 page ltr. w/ po	cket calenda	vd. a 6 panel folder in PT, <u>xrG201 Radiodifusora Pocos</u> c, business cd. and post- -CT). <u>xrF204 Super Radio</u> //s Jose Severiano de Fre- ltr. w/ my computer design-
card in 3'z wks. for a PT rpt. v/s Ronaldo	Cioffi.(Barto	-CT).ZYF204 Super Radio
Alworada 2460.0 personal ltr. in 5 wks. fo	r a PT rpt. v	/s Jose Severiano de Fre-
itas, Director.(Barto).		
(BODIA: National Radio of Cambodia 11940.3	friendly p/d	
ed prepared cd. w/ f/d in 8 mo. for a regi	stered rpt. :	sent from Hungary. v/s Kem
Yan, Also revd. 2 schedules and 3 stickers	.(Maroti-NY)	
MEROON: Radio Yaounde / CRTV 4850 f/d ltr.	in 65 ds. fo:	r a registered rpt. and US
\$2 00 v/s James Achanyi-Fontem (Raymond-N	H).	-
NADA: Radio Japan 6120 via Sackville f/d "F	'our Seasons"	cd. in 1 mo. (Borokowski).
11705 cd. in 2 mo. w/ pennant and schedule	(Barto). Ra	lio Austria International
6015 via Sackville f/d "Theatre on The Lak	e" cd. w/ scl	nedule in 20 ds.(Borokow-
ski). Radio Canada International 5960 via	Sackville f/	1 "450th Anniversarv" cd.
Ski). Maio chara international		in 16 ds. w/ pennant &
		sticker.(Borokowski).
னத்துலக ஒலிபரப்புக் கூட்டுத்தாபனம் "எடுத்த காரியய	ம் யாவினும் வெற்றி –	9755 f/d cd. in 1 mo.
P.O.	.Box: 1505	w/ pennant, schedule &
	SWB 2ZH. U.K.	folder.(Barto). 15425 .
Tel: + 44	171 767 8000	and 11855 f/d "1973
Fax: + 44	171 787 8010 ccess.co.uk/~ibc	Marid DV Exicodobin"
e-mail ibc@	Plastaccess.co.uk	World DX Friendship"
RNATIONAL BROADCASTING CORPORATION		
		cu. w/ acicker and
		schedule.(Barto). CHNX
		schedule.(Barto). CHNX 6130 f/d cd. in 22 ds.
		schedule.(Barto). CHNX
RICHARD A.D'ANGELO		schedule.(Barto). CHNX 6130 f/d cd. in 22 ds.
2216 BURKEY DRIVE		schedule.(Barto). CHNX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott
RICHARD A.D'ANGELO 2316 BURKEV DRIVE WYONISSING, PA 19616 U.S.A.		schedule.(Barto). <u>CHNX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for
2216 BURKEY DRIVE WYOMISSING, PA 19610		schedule.(Barto). <u>CINX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts
2216 BURKEY DRIVE WYOMISSING, PA 19610	19.10.99	schedule.(Barto). <u>CHNX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro-
2216 BURKEY DRIVE WYOMISSING, PA 19618 U.S.A.	19,10.99	schedule.(Barto). <u>CHNX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL a
2216 BURKEY DRIVE WYOMISSING, PA 19610	19,10.99	schedule.(Barto). <u>CINX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL at the bottom.(Neal-TX).
2216 BURKEV DRIVE WYONISSING, PA 19618 U.S.A. Dear Sir.		schedule.(Barto). <u>CINX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL a the bottom.(Neal-TX). Radio Korea Internatio-
2216 BUIKEY DRIVE WYOMISSING, PA 19610 U.S.A.		schedule.(Barto). <u>CINX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL a the bottom.(Neal-TX). <u>Radio Korea Internatio- nal</u> 9650 via <u>Sackville</u>
2216 BURKEY DRIVE WYONISSING, PA 19618 U.S.A. Dear Sir, J am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report.	say Thank °	schedule.(Barto). <u>CINX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL a the bottom.(Neal-TX). <u>Radio Korea Internatio- nal</u> 9650 via <u>Sackville</u> f/d "Year of New Arts"
2116 BURKEY DRIVE WYOMISSING, PA 19616 U.S.A. Dear Sir. I am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The studion you heard was ours, IBC is an International Tamil Radio, wh	say Thank ° nich broadcast 24	 schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a reproduction of a 1939 QSL a the bottom.(Neal-TX). Radio Korea International 9650 via Sackville f/d "Year of New Arts" cd. in 38 ds.(Borokow-
2116 BURKEY DRIVE WYOATSSING, PA 19610 U.S.A. Dear Sir. J am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours, IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on mater J 2406 kHz at 5 form to 3 250m (1 ordon utine). We have about 6	say Thank * hich broadcast 24 a frequency of 16 500 000 listeners	schedule.(Barto). <u>CINX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL a the bottom.(Neal-TX). <u>Radio Korea Internatio- nal</u> 9650 via <u>Sackville</u> f/d "Year of New Arts"
2116 BURKEY DRIVE WYONISSING, PA 19618 U.S.A. Dear Sir. J am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on- meter 17.496 kHz at 2.57pm to 3.25pm (Londom time). We have about 6 in all ourse Europe and a few thousand in rest of the world, specially in It	say Thank ° nich broadcast 24 a frequency of 16 500 000 listeners ndia. Srilanka and	schedule.(Barto). <u>CINX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL a the bottom.(Neal-TX). <u>Radio Korea Internatio- nal</u> 9650 via <u>Sackville</u> f/d "Year of New Arts" cd. in 38 ds.(Borokow- ski-NY). CELEBES: Radio Republik In
2216 BURKEY DRIVE WYONISSING, PA 19610 U.S.A. Dear Sir, J am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on meter 17.496 kHz at 2.57m to 3.25m (London time). We have about 6 in all over Europe and a few thousand in rest of the world, apecially in it South Action. One rournems, include music, religion, news and current al	say Thank * nich broadcast 24 a frequency of 16 500 000 listeners ndia. Srilanka and finirs, discussion	<pre>schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL a the bottom.(Neal-TX). <u>Radio Korea Internatio- nal</u> 9650 via <u>Sackville</u> f/d "Year of New Arts" cd. in 38 ds.(Borokow- ski-NY). CELEBES: Radio Republik In</pre>
2216 BURKEY DRIVE WYONISSING, PA 19610 U.S.A. Dear Sir. Jam pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-ware for the rest of the world on meter 17.496 kHz at 2.57m to 3.25m (Londom time). We have about in all over Europe and a few thousand in rest of the world, apecially in fit South Africa. Our programs include music, religion, news and current at and etc. Your report is helping us in knowing how far our transmission i	say Thank * nich broadcast 24 a frequency of 16 500 000 listeners ndia. Srilanka and finirs, discussion	 schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a repro- duction of a 1939 QSL a the bottom.(Neal-TX). <u>Radio Korea Internatio</u> nal 9650 via <u>Sackville</u> f/d "Year of New Arts" cd. in 38 ds.(Borokow- ski-NY). CELEBES: Radio Republik In domesia Regional II Co-
2116 BURKEY DRIVE WYONISSING, PA 19610 U.S.A. Dear Sir. J am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The stution you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on- meter 17.496 kHz at 2.57pm to 3.25pm (Londom time). We have about 0 in all there Europe and a few thousand in rest of the world, specially in It	say Thank * nich broadcast 24 a frequency of 16 500 000 listeners ndia. Srilanka and finirs, discussion	 schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a reproduction of a 1939 QSL at the bottom.(Neal-TX). Radio Korea International 9650 via Sackville f/d "Year of New Arts" cd. in 38 ds.(Borokow-ski-NY). CELEBES: Radio Republik In donesia Regional II Coronal 3264.6 lengthy
2116 BURKEV DRIVE WYONISSING, PA 19610 U.S.A. Dear Sir, J am pleased to bear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on meter 17.496 kHz at 2.57pm to 3.25pm (London time). We have about 0 in all over Europe and a few thousand in rest of the world. specially in South Africa. Our programs include music, religion, news and current at and etc. Your report is helping us in knowing how far our transmission i propagating.	say Thank * hich broadcast 24 a frequency of 16 500 000 listeners ndia, Srilanka and ffairs, discussion is well	 schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a reproduction of a 1939 QSL at the bottom.(Neal-TX). Radio Korea International 9650 via Sackville f/d "Year of New Arts" cd. in 38 ds.(Borokowski-NY). CELEBES: Radio Republik Indonesia Regional II Gorokowski-NY). 2 page ltr. in 5 wks.
 Dear Sir. Dear Sir. J am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on meter 17-496 kHz at 2.57pm to 3.25pm (Londom time). We have about 6 in all over Europe and a few thousand in rest of the world. specially in f South Africa. Our programs include music, religion, news and current at and etc. Your report is helping us in knowing how far our transmission i propagating. Once again, Thank you for your report and 1 appreciate it. I hope you wi 	say Thank * hich broadcast 24 a frequency of 16 500 000 listeners ndia, Srilanka and ffairs, discussion is well	 schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a reproduction of a 1939 QSL ai the bottom.(Neal-TX). Radio Korea International 9650 via Sackville f/d "Year of New Arts" cd. in 38 ds.(Borokow-ski-NY). CELEBES: Radio Republik Indonesia Regional II Goromatalo 3264.6 lengthy 2 page ltr. in 5 wks. for an IN rpt. v/s Drs.
2216 BURKEV DRIVE WYONISSING, PA 19610 U.S.A. Dear Sir. J am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on meter 17.496 kHz at 2.57pm to 3.25pm (London time). We have about 0 in all over Europe and a few thousand in rest of the world. specially in South Africa. Our programs include music, religion, news and current at and etc. Your report is helping us in knowing how far our transmission i propagating.	say Thank * hich broadcast 24 a frequency of 16 500 000 listeners ndia, Srilanka and ffairs, discussion is well	<pre>schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts: The ltr. has a repro- duction of a 1939 QSL at the bottom.(Neal-TX). Radio Korea Internatio- nal 9650 via Sackville f/d "Year of New Arts" cd. in 38 ds.(Borokow- ski-NY). CELEBES: Radio Republik In donesia Regional II Go- rontalo 3264.6 lengthy 2 page ltr. in 5 wks.</pre>
 Dear Sir. Dear Sir. J am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on meter 17-496 kHz at 2.57pm to 3.25pm (Londom time). We have about 6 in all over Europe and a few thousand in rest of the world. specially in f South Africa. Our programs include music, religion, news and current at and etc. Your report is helping us in knowing how far our transmission i propagating. Once again, Thank you for your report and 1 appreciate it. I hope you wi 	say Thank * hich broadcast 24 a frequency of 16 500 000 listeners ndia, Srilanka and ffairs, discussion is well	 schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a reproduction of a 1939 QSL at the bottom.(Neal-TX). Radio Korea International 9650 via Sackville f/d "Year of New Arts" cd. in 38 ds.(Borokow-ski-NY). CELEBES: Radio Republik Indonesia Regional II Goromatalo 3264.6 lengthy 2 page ltr. in 5 wks. for an IN rpt. v/s Drs.
 2116 BURKEV DRIVE WYONISSING, PA 19610 U.S.A. Dear Sir. I am pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. IBC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on- meter 17.496 kHz at 2.57pm to 3.25pm (London time). We have about 6 in all over Europe and a few thousand in rest of the world. specially in South Africa. Our programs include music, religion, news and current at and etc. Your report is helping us in knowing how far our transmission i propagating. Once again, Thank you for your report and 1 appreciate it. I hope you wi 	say Thank * hich broadcast 24 a frequency of 16 500 000 listeners ndia, Srilanka and ffairs, discussion is well	 schedule.(Barto). <u>CINX</u> 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts: The ltr. has a reproduction of a 1939 QSL at the bottom.(Neal-TX). <u>Radio Korea International</u> 9650 via <u>Sackville</u> f/d "Year of New Arts" cd. in 38 ds.(Borokow-ski-NY). CELEBES: Radio Republik In donesia Regional II Coronalo 3264.6 lengthy 2 page ltr. in 5 wks. for an IN rpt. v/s Drs. Muh. Assad.(Barto-CT). CHAD: Radiodifusion Nat-
 Dear Sir. Jam pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. 1BC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on. meter 17.496 kHz at 2.57pm to 3.25pm (Lundon time). We have about 6 in all over Europe and a few thousand in rest of the world. specially in It South Africa. Our portarms include music. religion. news and euron at and and the music religion. news and euron at and the to showing how far our transmission i propagating. Once again, Thank you for your report and 1 appreciate it. I hope you wit to IBC in the future. 	say Thank * hich broadcast 24 a frequency of 16 500 000 listeners ndia, Srilanka and ffairs, discussion is well	 schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a reproduction of a 1939 QSL at the bottom.(Neal-TX). Radio Korea International 9650 via Sackville f/d "Year of New Arts" cd. in 38 ds.(Borokowski-NY). CELEEES: Radio Republik Indonesia Regional II Goronato 3264.6 lengthy 2 page ltr. in 5 wks. for an IN rpt. v/s Drs. Muh. Assad.(Barto-CT). CHAD: Radiodiffusion Nat- ionale Tchadienne 4904.
 Dear Sir. Jam pleased to hear from you all the way from U.S.A and would like to you for your excellent reception report. The station you heard was ours. 1BC is an International Tamil Radio, wh hours for Europe and an hour on short-wave for the rest of the world on. meter 17.496 kHz at 2.57pm to 3.25pm (Lundon time). We have about 6 in all over Europe and a few thousand in rest of the world. specially in It South Africa. Our portarms include music. religion. news and euron at and and the music religion. news and euron at and the to showing how far our transmission i propagating. Once again, Thank you for your report and 1 appreciate it. I hope you wit to IBC in the future. 	say Thank * hich broadcast 24 a frequency of 16 500 000 listeners ndia, Srilanka and ffairs, discussion is well	 schedule.(Barto). CINX 6130 f/d cd. in 22 ds. for \$1.00. v/s Scott Snailham.(Borokowski). f/d ltr. in 26 ds. for an E-mail rpt. 50 watts The ltr. has a reproduction of a 1939 QSL at the bottom.(Neal-TX). Radio Korea International 9650 via Sackville f/d "Year of New Arts" cd. in 38 ds.(Borokow-ski-NY). CHLEBES: Radio Republik In donesia Regional II Coronalo 3264.6 lengthy 2 page ltr. in 5 vks. for an IN rpt. v/s Drs. Muh. Assad.(Barto-CT). CHAD: Radiodifusion Nat-

QSL rpt. w/ the assistance of the VZ DXer, Verification Card Winter Monges. Thanks! (Myers-VA). Station Voice of the Mojahed CHINA, PEOPLES REPUBLIC OF: China Hua-yi Broadcasting Company 4940 via Fuzhou f/d ltr. via To Richard A. D'Angelo registered mail in 42 ds. (Kusalik-ALB). This is to confirm your reception of our transmission dated China National Radio 5010 f/d cd. in 27 ds. 27 October 1991, 0224 - 0310 hours UTC on a for a CH rpt. and \$1.00. (Raymond). CPBS-1 frequency of 6,540,250 kHz. with ____ watts. 6750, 7935, 10260 and 11630 f/d "Chao Bell" cd. w/ schedule in $2\frac{1}{2}$ mo.(Barto). 17580, 17550, 15550 and 15480 f/d "Yu Yuan Shanghai" cd. in 3 mo. (Barto). 15390, 12030 and Mr. Majid Taleghani 11960 f/d cd, in 2½ mo.(Barto). 9675, 11860 mojapedines du payle d'Iran and 11925 f/d cd. w/ nes1tr. in 2 mo.(Bar-to). <u>CPBS-2</u> 15285, 12080 and 15540 f/d cd. 17 rue des Goids in 3 mo.(Barto). 11800, 11670, 9810 and F-95430 Auners-sur-aire 9500 f/d "Incense Burner" cd. w/ schedule Signature & Official Seal in 3¹/₂ mo.(Barto). China Radio Internatio-19-02-96 nal 11675 via Kunming f/d "Temple" cd. in 12 wks.(Klinck-NY). f/d "Shanghai" cd. in 47 ds.(Glotzbach-NM). China Radio International 15540 and 17785 f/d "CRI Building" cd. in 2¹/₂ mo.(Barto). 11735, 9535, 15500 and 6950 f/d "Tuancheng - Round City" cd. w/ paper cuts and schedule in 7 wks. (Barto). 15260, 11685, 9440 and 9365 f/d "Stone Forest in Yunnan" cd. in 6 wks.(Barto). 17880 f/d "CRI Building" cd. in 2 mo. w/ schedule.(Barto-CT). Nei Menggu Peoples Broad casting Station 4525 and 4620 f/d "Terra Cotta Warriors of the Qin Shihuang radio CTISTA Mausoleum in Xi'an" cd. in 7 wks. w/ schedule.(Barto). CLANDESTINE: Que Huong Radio * 9930 via KWHR (Hawaii) f/d Estimado ovente: Tenemos el gusto de confirmar su control ltr. in 3 mo. v/s Nguyen _ KHz RICHARD A. D ANGELO de nuestra emisión en 5013 Khoi.(Craighead). 17510 via de fecho <u>15 de Septiembre de 1996</u> horo <u>00:44 a 01:04</u> UTC. KWHR f/d ltr. in 3 wks. for 2216 BURKEY DRIVE an EG/VN rpt. (Craighead). Le saludamos atentamente Aportodo 894 Fernando fierañon Colle Pepilo Sociedo No. 18. Años anto Domingo, República Domingo WYOMISSING, PA 19610 COLOMBIA: Colmundo Radio 6065 personal ltr. on my 4th try U. S. A. for a SP rpt. v/s Dr. Jairo Santo Domingo, República Dominicana Tel: (809) 566-5411 Aguirre who extended me greetings for being a DXer for 40 yrs! (Field-MI). COSTA RICA: Adventist World Radio 9725 via Alajuela f/d prepared cd. in 153 ds. w/ gospel tract, station brochure, station schedule and a pocket calendar. (Humenyk). CUBA: Radio Habana Cuba 9820 f/d cd. w/ personal ltr. and report form in 210 ds. for \$1.00. (Griffin-CA). CZECH REPUBLIC: Radio Prague 9435 f/d "Zizkov Transmitter" cd. in 17 ds. w/ station schedule.(Borokowski-NY). ECUADOR: HCJB 12015 and 9745 2 cds. rcvd. from the 1999 series. (Field-MI). 12015 f/d "Jorge Zambrano" cd. w/ schedule Photographie Impressions in 6 wks. for the "EDXC Press POST CARD RATE Transmitter: Julich, Germany Special Program" WEST COAST RADIO, IRELAND. (W.C.R.I) (Barto-CT). 9745 The Irish Shortwave Service. cd. w/ schedule NORTH AMERICA Thursdays 01:00 - 02:00 HRS U.T.C. CLAREMORRIS, COUNTY MAYO, IRELAND. and calendar in 66 ds. for 1 IRC. AFRICA/AUSTRALIA/NEW ZEALAND Thursdays 18:00 - 19:00 HRS U.T.C. We are pleased to confirm your reception report of our (Griffin). Radio programmes on the frequency of 5910 kHZon 211196 EUROPE Oriental 4780 Saturday 15:00 - 16:00 HRS U.T.C. Thank you for writing to us. Best wishes from Ireland personal ltr. in 59 ds. for a SP Michael Commins / Gerard Delaney rpt. Sticker was rcvd.(Glotzbach) Richard A. D'Angelo, 2216, Burkey Drive, ENGLAND: HCJB 11760 Wyomissing, PA 19610., via <u>Rampisham</u>

U.S.A.

CONNEMARA, IRELAND

JHPI 23 Photography by Peter O Toste Printed and Published in Ireland by Jo f/d cd. w/ power and coordinates

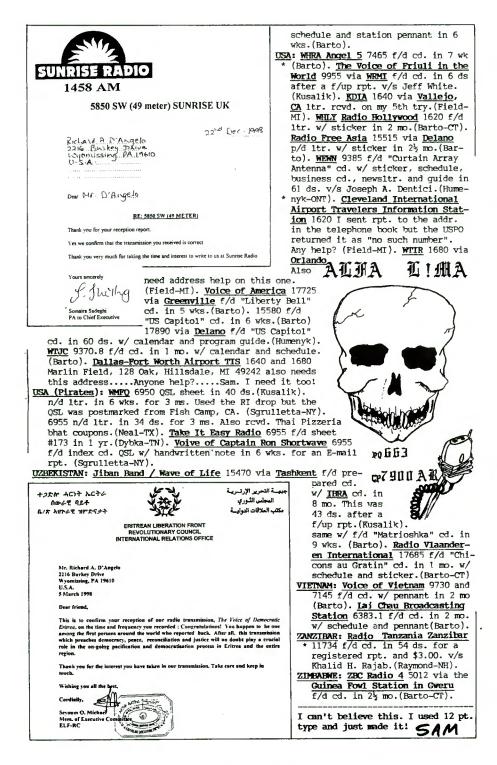
in 3 mo. Personal





in 25 mo. (Barto-CT). MYANMAR: Myanmar Broadcasting Company **RADIO NADECO** 4725 cd. w/ schedule in 9 wks. for a 90 reception. (Barto). Myanma Te-TRANSMITTING ON: 5 070 MHZ 60 meter band levision and Radio Department 4725 15,685 MHZ 19 meter band cd. w/ schedule in 2 mo. v/s Ko Ko Htway, Director. He promised new S QSL card design will be forwarded as soon as it is ready. (Barto-CT). Friend NEW ZEALAND: Radio New Zealand International 6105 f/d cd. in 2 mo. w/ stickers. This was for a 1999-2000 reception in NZ. (Barto-CT). Type of Transmitter 2-8 made 6 Drate Type of Antenna: 20 Metrice Ling where antenna PERU: OCX7D Radio Collasuyo 3250.4 * p/d ltr. in SP in 4 mo. for a SP rpt. on an 88 reception. (Barto). PHILIPPINES: Radio Pilipinas 15190 NADECO NATIONAL DEMOCRATIC COATIO p/d ltr. in 8 wks. for a taped rpt 32 NAL LIEMOLRATH, Co. 514 John Street, Suite 600 Washington, DC 20004 Tel: (202) 347-1950 and \$1.00.(Klinck). f/d ltr. in 35 ds. for \$1.00. Schedule was rovd. v/s Ric G. Lorenzo, Production Coordinator. Addr: Office of the Official stamp Martine Anyaeoty Press Secretary, Philippine Broadcasting Service, Bureao of Broadcasting, 4/F Media Center Bldg., Visayas Ave., Quezon City 1100. (Comeau-MA). <u>Voice of America</u> 12040 f/d "Mount Rushmore" cd. in 6 wks.(Barto). same in 2 mo.(Barto). 9845 same cd. in 6 wks.(Barto). 9760 f/d "US Capitol" cd. w/ schedule in 6 wks.(Barto). f/d "Sunrise at Greenville" cd. * in 25 mo. (Barto). 6110 f/d "US Capitol" cd. in 6 wks. (Barto). Vatican Radio 6020 via Pauliq f/d cd. w/ site in 3 mo.(Craighead-KS). POLAND: Polish Radio Warsaw 9525 f/d "Krakow Panorama" cd. in 51 ds. w/ schedule and report form. v/s Rafal Kiepuszewski. (Borokowski-NY). RUSSIA: Voice of Russia 11500 schedule and a personal ltr. signed by Tanya Stukova. Calendar rcvd. (Field-MI). SAIPAN: Radio Free Asia 9455 via KHBI p/d ltr. in 2½ mo. by AIR MAIL (Barto). Voice of America Talex रेतेक्य : PRASAR BHARATI 9355 f/d "Canyonlands Park erc : " HINERIAN ' (BROADCASTING CORPOR) OF INDIA) TELEGRAMS : "AKASHVANI in Utah" cd. in 10 wks. जुरनानः : TELEPHONE 06854-22524 (Field). मारत सरकार GOVERNMENT OF INDIA SAO TOME: Voice of America त्राकाशवाणी ALL INDIA RADIO 9845 f/d "Mount Rushmore" वापपुर (पडीशा) HYPORE (ORIESA) cd. in 2 mo. (Barto-CT). 6035 same cd. in 1 mo. (Bar-1 4 346 D. O. No. JPR-3(7)/98-E/ 6346 feats Cate 8th Nov, 1998 to). 4950 same f/d cd. in 75 ds. (Humenyk-ONT). Richard A.D'Angelo. SINGAPORE: Radio Singapore In-2216 Burkey Drive, Wyomissing, PA 19610 ternational 12010 cd. in 2 U.S.A. mo.(Field-MI). 9820 f/d "Singapore City Hall" cd. Sub:- Reception Report. in 15 mo. (Barto). Ref:- Your letter dated the 8th November, 1998 SLOVAK REPUBLIC: Radio Slovakia International 5930 f/d Dear Sir, "Michael's Tower" cd. in 77 We are very happy to learn that you have ds.(Borokowski-NY). monitored our 50 KW Short Wave CEC Transmitter SOUTH AMERICAN (Pirates): programme at 5040 K Hz on 07.11.1998 from 0555 to 0635 Radio Cochiquez 6950 f/d "Map/Logo" cd. in 87 ds. (Indian Standard Time). The programme details given by you in your letter were compared with our Studio for 2 IRCs. Also revd. a Loo-book and found them correct. personal ltr. in SP, station info in EG and a bann-Thanking you, er. Addr: R.C. Casilla 159, Yours faithfully, Santiago, Chile.(Comeau). Radio Natalie 6950 via Radio Cochiquaz f/d "Partial 1-1 Clad Women" cd. in 28 ds. (A.C. SUBUDHI) via Estonia addr. (Kusalik). Asstt. Station Engineer

	* Radio Doctor Tim 6950 via Radio Cochiquaz
LA VOŻ DE LOS TRABAJADORES CAMPESINOS DEL ALTIPLANO SUD	f/d cd. w/ verie 1tr. in 42 ds. Also rovd
C45/LLA Nº 16 TELEF. 0693 - 2145 L'ITTAT - e- BOLIVIA	station pennant. v/s Cachito Momani.(Kus-
Livent novembre 19 de 1999	* alik). Radio Perfekt 6950 via Radio Coch-
Estanado Amigo Richard A. D'Angelo	iquaz f/d cd. w/ verie 1tr. in 42 ds.
22/6 Bartys Deve Blyometating PA 19610	Station pennant was rcvd.(Kusalik-ALB). SOUTH AFRICA: Radio Sonder Grense 3320 via
EEUU de A (USA)	Sentech f/d cd. w/ info. regarding this
En prover legor quero espectecre infinitamente por su amable reporte de la recepción de messira sehal de Audia de la Radio "ANDES", abora Radio "HULLKU" con Resulucion	service in 47 ds. v/s Kathy Otto. (Kusa-
Admenistrativo de la Supernernderica de Telecommencenciones de La Pac Bolivia la Radio MAULACU este stanche en la cuadad de Usuni Provincia "Annanio Quiarra" Departamento de Posisi. de propoedad de la Federación Repenael Univer de Irobandores Competinas del Auplino Suc	
propredad de la Federación Reprindi Urinca de Trabandores Campesinas del Attiplanio Suc (FRUTCAS) comessación o su nueva carso de fechis 2º de Octubre de 1999	I agree wy you chac hachy has been a su-
Mi nombre es: Erren Fredek Manant Machinea responsable de la programación de la Roche	
3. MLLRU" makaya wa das anas v seus meses, senga 21 anas, en el nempo de mi makaya es un planer recibie carias de recepcion de mesera Racho. Navirra emisora el una Racha Comunicario i anticio d las makayadores Compensiones de Sado e Sadore de Passimo ao en anticesa o Exec o trovencia "Antonia".	biog motile heard souss the increased in
Quantra Not Luct. Deniel Cannot. Entrique Baldwiezo v Sud Luct*, que las micioles de codo una	FOGROWA DESINA CO. IN 2 NO. W/ SENTECH
de las provincias se forman la pulabra "AND ES", pero por ensur ora radio "LOS ANDES" en la caudad de Jarea branos termos per combare el nombre por Radio Emission "ALLIKU" que superifica "CONDON", Presidence de las Autornadas Organizarionnas que radiolis las dicen "ALLIKU"	station schedule. (Barto-CT).
nuezzna programacion en la zguverne: 3148/48/48 00 00 n 00 10 Musica hincional	BPAIN: Spanish Foreign Radio 6055 f/d 1tr.
06 30 a 0° 30 Noticida Entrevisión Musica (Overhua) 0° 30 a 05 00 Programa de Felicitación en Quechua	in 44 ds. w/ schedule. v/s Pilar Salva-
TARDES 1" 00 a 13.00 Programa de Felicitocion v Musica Cumbia en Casiel	dor M. (Borokowski). Radio Exterior de Es-
13.00 n.18.30 La hora de las Provincias (Entrevisias Reportiges) 18.30 n.18.00 Programo Mayer 19.00 a.19.30 Informativo	pana 6055 f/d 1tr. in SP w/ schedule and
19.90 a 79.90 Commensione Rachogromas, messea agropecadria Actualmente después de la Osorpoción de la Licencia en fecha 29 de septiembre esemio	report form for an E-mail rpt. in 23 ds.
trabaiando en la frecuencia de 1795 Khz. banda de 60 metros La Radio, turne su consejo de Administración; Frotlan Condort PRESIDENTE, Germón Cariné	3240 via Mmangela Pange f/d "Transmitting
y Floriana Porca, Titulares: René Mamani y Francisco Quisbert, Suplemez, quenes escular las determuniciones del cumité Esecutivo de la Faderación de Competinos "FRUTCAS", y el consero tierio	Site" folder cd. in 33 ds. v/s Mrs. L.
una duración de un año calenderro	Stavropoulos, (Kusalik), 9500 OSL was revol
La población de Ujum es canaciertando, por su amabilidad v hospitolidad por el mierros cas año redovido además Ujum es un centro de mejor excelencia de un centro Ferroviario en su unapo	In 24 OS. LION SICE ALCEL I MALLEO MY IE-
antes de la Capitalización (1964), abora es un centro de pron promoción Teristica, por su materinada Gean Salor de Usem 10.200 kilomenos cuadrados), Laguens Verde Colonado, Asul Hedando lo. Geneser y mencha origo Es Turristo lo vero de passon y es libron prom reciendo de Bolancia.	
Sea ann annoules à survede llesse martines més un cres tabeles a su decremente present à	SWEDEN: Radio Sweden International 21810
saludo con la constaladad y H.IST.A SIENT/REII!	<pre>f/d "Moose" cd. in 12 ds. v/s Charlotte Adler.(Borokowski).</pre>
Nov. Annumeron. Marching W E/Firldh Alamanni Al	SWITZERLAND: Swiss Radio International 21770
RESPONSELLE DE PROGRAMMICION	via Sottens f/d "Logo" cd. w/ schedule in
RADIO "RIĜIKU" UTUNI - POTOSI - BOLIVIA	1 mo.(Barto). 9885 f/d cd. in 51 ds.(Hu-
	menyk-ONT).
<u>TAIWAN</u> : <u>Radio Australia</u> 11550 special * cd. in 2 mo. v/s John Wright.(Lusa	
3975 n/d cd. in 47 ds.(Kusalik).	IIK). Central broadcasting system
	一次的现在————————————————————————————————————
Central Broadcasting System Dia- lect Network - Cantonese 15270	SDO
<u>Central Broadcasting System Dia-</u> <u>lect Network - Cantonese</u> 15270 and 9690 f/d "Blessing From Gods"	560 - 0 1337 Bern - Protenske 81 SAGALEE
<u>Central Broadcasting System Dia-</u> <u>lect Network - Cantonese</u> 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d	BILISUMMAA
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr-	Hr. Richard A.D'Angelo SAGALEE BILISUMMAA OROMOO
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270	SAGALEE BILISUMMAA Hr. Richard A.D'Angelo OROMOO 2216 Burlay drive 10337 Bern 10357 Bern
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6	SAGALEE BILISUMMAA Hr. Richard A.D'Angelo OROMOO 2216 Burlay drive India State Byomissing, PA 19610 Germany Pout Box 10610 Pout Box 10610
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270	SAGALEE BLISUMMAA Hr. Richard A.D'Angelo OROMOO 2216 Burlay drive Protended 81 USA Period USA Post 100100 USA Decomposition Company Decomposition Company
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT).	SAGALEE BILISUMMAA Hr. Richard A.D'Angelo OROMOO 2216 Burlay drive 11337 Bern Wyomissing, PA 19610 Germany USA Germany
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks. (Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks. (Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks. (Barto-CT). TADZIKISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu,	SAGALEE BLISUMMAA Hr. Richard A.D'Angelo OROMOO 2216 Burlay drive Protended 81 USA Period USA Post 100100 USA Decomposition Company Decomposition Company
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IBC Tamil 7460 via Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa-	SAGALEE BLISUMMAA Hr. Richard A.D'Angelo OROMOO 2216 Burlay drive Proteomed in Uyomissing, PA 19610 Generative USA Pattor State State Table State State Factor State
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IHC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). Radio Free Asia 7530 via	SAGALEE BLISUMMAA Hr., Richard A.D'Angelo 2216 Burlay drive Wymissing, PA 19610 USA Des ar. Data voo for your interest to know Sagate Bilisummaa Oroneo - The Voice of Oroneo Liberation
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZINISTAN: IDE - Tamil 7460 via * Dushanbe p/d 1tr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). Radio Free Asia 7530 via Orzu p/d 1tr. in 3 mo.(Barto-CT).	SAGALEE BLISDUMMAA Pr., Richard A.D'Angelo 2216 Burlay drive Wyomissing, PA 19610 USA Der pr. Tanak yoo for your interest to know Sagate Bilinummaa Oronoo - The Voce of Orono Liberation Germany Part Let Course 100 Far 000481337 14.01.99 Der pr. Tanak yoo for your interest to know Sagate Bilinummaa Oronoo - The Voce of Orono Liberation Germany Course 100481030 Far 000481337 14.01.99
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IDC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). <u>Radio Free Asia</u> 7530 via <u>Orzu</u> p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955	SAGALEE BLISUMMAA Hr., Richard A.D'Angelo 2216 Burlay drive Wyomissing, PA 19610 USA Der Br. Thank you for your interest to know Seglete Bilistammaa Oronoo - The Vote of Orono Liberation Far 000481337 14.01.99 Der Br. Thank you for your interest to know Seglete Bilistammaa Oronoo - The Vote of Orono Liberation Seglete Bilimammaa Oronoo currently brackens to Eart Africa and the Middle Eart on 9647H, in the 31 Seglete Bilimammaa Oronoo currently brackens to Eart Africa and the Middle Eart on 9647H, in the 31 Seglete Bilimammaa Oronoo currently brackens to Eart Africa and the Middle Eart on 9647H, in the 31 Seglete Bilimammaa Oronoo currently brackens to Eart Africa and the Middle Eart on 9647H, in the 31 Seglete Bilimammaa Oronoo currently Drawken the Seglete Orono Liberation Borond 1990 Mer 1990 Mer 1990 Africa Africa and Seglete Bilitammation Borond Merit
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZINISTAN: IDE - Tamil 7460 via * Dushanbe p/d 1tr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). Radio Free Asia 7530 via Orzu p/d 1tr. in 3 mo.(Barto-CT).	SAGALEE BLISUMMAA Hr., Richard A.D'Angelo 2216 Burlay drive Wyomissing, PA 19610 USA Der ar. Thata you for your interest to know Sagite Bilisummaa Oromoo - The Vace of Oromo Liberation Fac 00040130 14.01.99 Der ar. Thata you for your interest to know Sagite Bilisummaa Oromoo - The Vace of Oromo Liberation <i>q2/9</i> , Sagite Bilisummaa Oromoo currently broadcasts to East Africa and the Middle East on 970-86 (1) in the 31 microsoft of 10 (0) to 17 00 broadcasts to East Africa and the Middle East on 970-86 (1) in the 31 microsoft of 10 (0) to 17 00 broadcasts to East Africa and the Middle East on 970-86 (1) in the 31 microsoft of the 10 to 10 (1) of the Microsoft of 10 (1) bil discontanted (1) bill do the set of the origin to comment in 1980 it is the first of the origin to comment of the origin to comment in 1980 it is the first of the Microsoft of the first of the firs
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZINISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). Radio Free Asia 7530 via Orzu p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). Voice of America 15460 via Udorn f/d "US Capitol"	SAGALEE BLISUMMAA Hr. Richard A.D'Angelo 2216 Burley drive Wyomissing, PA 19610 USA Dear Suff Control
 <u>Central Broadcasting System Dia-lect Network - Cantonese</u> 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). <u>TADZIKISTAN: IBC Tamil</u> 7460 via <u>Dushanbe</u> p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). <u>Radio Free Asia</u> 7530 via <u>Orzu</u> p/d ltr. in 3 mo. (Barto-CT). <u>THAILAND: BBC World Service</u> 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). <u>Voice of America</u> 15460 via <u>Udorn f/d</u> "US Capitol" cd. in 6 wks.(Barto). f/d "Mount 	SAGALEE BLISUMMAA Hr., Richard A.D'Angelo 2216 Burley drive Wyonissing, PA 19610 USA Dear Br. That you for your interest to know Sagile Bilisummaa Oronico - The Voice of Oronio Liberation of the Sagile Bilisummaa Oronico - The Voice of Oronio Liberation <i>qu'qq</i> . Sagile Bilisummaa Oronico currently broadcants to East Africa and the Middle East on 94% KIs in the 31 micro Biliston of Oronio Duron Children and Carolina an
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). <u>Radio Free Asia</u> 7530 via Orza p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). <u>Voice of America</u> 15460 via <u>Udorn</u> f/d "US Capitol" cd. in 6 wks.(Barto). f/d "Wount Rushmore" cd. in 7 wks.(Barto).	SAGALEE SAGALEE SAGALEE SAGALEE SAGALEE SLISUMMAA Nr., Richard A.D'Angelo 2216 Burlay drive Wyonissing, PA 19510 USA
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Rusa- lik). Radio Pree Asia 7530 via Orzu p/d ltr. in 3 mo.(Barto-CT). THALIAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). Voice of America 15460 via Udorn f/d "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). TINIAN ISLAND: Radio Pree Asia 11740	SAGALEE SAGALEE SAGALEE SAGALEE SLISUMMAA Nr., Richard A.D'Angelo 2216 Burlay drive Wyomissing, PA 19510 USA USA USA USA Deremany Post Bors 30010 1330 Bern 14.01.99 Dear Br. Thad you for your interest to know Segate Bilisummaa Oroneo - The Voice of Orone Liberation <i>qU/9</i> . Sagalee Bilisummaa Oroneo currently breadcasts to East Africa and the Middle East on WH-KR in the 31 ment Buad from 16 00 to 1700 bear fDMT on Mondes. Wideredays and Saturday, SPO Ergan Internation <i>qU/9</i> . Sagalee Bilisummaa Oroneo currently breadcasts to East Africa and the Middle East on WH-KR in the 31 ment Buad from 16 00 to 1700 bear fDMT on Mondes. Wideredays and Saturday, SPO Ergan Internation guidees The Orone people culture of common legan in June 1995 and is bang well received by a great majority of our people in Ethopsa and neighbouring controls. The decommend for the ord Internation of more in 2010 beard and Dromeo. Use Orone Liberation decomposed in its boral Internation of more in 2010 Junion. The current regime in Ethopsa, and or a Viel of mode democry, containes is preparate the oppreasion and exploitation of the Orone in a more systematic way.
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). <u>Radio Free Asia</u> 7530 via Orza p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). <u>Voice of America</u> 15460 via <u>Udorn</u> f/d "US Capitol" cd. in 6 wks.(Barto). f/d "Wount Rushmore" cd. in 7 wks.(Barto).	SAGALEE SAGALEE SAGALEE SAGALEE SLISUMMAA Nr., Richard A.D'Angelo 2216 Burlay drive Wyomissing, PA 19510 USA
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZINISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Rusa- lik). Radio Free Asia 7530 via Orzu p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). Voice of America 15460 via Udorn f/d "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). TINIAN ISLAND: Radio Free Asia 11740 p/d ltr. w/ sticker and schedule	SAGALEE SAGALEE Hr., Richard A.D'Angelo SAGALEE BLISUMMAA Hr., Richard A.D'Angelo Salta Hr., Richard A.D'Angelo Provember 31 Salta Hr., Richard A., Salta Hr., Richard Hr., Salta Hr., Richard Hr., Salta Hr., Richard Hr., Kalta Hr., Richard Hr., Salta Hr., Richard H
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). Radio Pree Asia 7530 via Orzu p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). Voice of America 15460 via Udorn f/d "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). TINIAN ISLAND: Radio Pree Asia 11740 p/d ltr. w/ sticker and schedule in 5 wks.(Barto). TURKSY: Voice of Turkey 9765 and 9635 via Emire f/d "Turkish	SAGALEE SAGALEE SAGALEE SAGALEE SAGALEE SLUSUMMAA Hr., Richard A.D'Angelo 2216 Burlay drive Wyomissing, PA 19610 USA Proteomet an District Control of the Sagate Substantian Structure and the Sagate Substantian Structure Part Box 100048103 Far 00048103 Far 0004810 Far 000481 Far 0004 Far 000 Far 0004 Far 0004 Far 000 Far 0004 Far 000 Far 000 Far 000 Far 000 Far 0
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchla Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). Radio Free Asia 7530 via Orzu p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). Yoice of America 15460 via Udorn f/d "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). TINIAN ISLAND: Radio Free Asia 11740 p/d ltr. w/ sticker and schedule in 5 wks.(Barto). TURKEY: Voice of Turkey 9765 and 9635 via <u>Pmirler</u> f/d "Turkish Souvenirs" cd. in 2 mo. w/ stick-	SAGALEE SAGALEE SAGALEE SAGALEE SLISUMMAA Nr., Richard A.D'Angelo 2216 Burlay drive Wyomissing, PA 19510 USA
 <u>Central Broadcasting System Dia-lect Network - Cantonese</u> 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). <u>TADZIKISTAN: IBC - Tamil</u> 7460 via <u>Dushanbe</u> p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). <u>Radio Free Asia</u> 7530 via <u>Orzu</u> p/d ltr. in 3 mo.(Barto-CT). <u>THAILAND: BBC World Service</u> 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). <u>Yoice of America</u> 15460 via <u>Udorn f/d</u> "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). <u>TINIAN ISLAND: Radio Free Asia</u> 11740 p/d ltr. w/ sticker and schedule in 5 wks.(Barto). <u>TURKEY: Yoice of Turkey</u> 9765 and 9635 via <u>Bmirler</u> f/d "Turkish Souvenirs" cd. in 2 mo. w/ stick- er.(Barto). 9460 and 9445 same cd 	SAGALEE SAGALEE SAGALEE SAGALEE SILISUMMAA NE. Richard A.D'Angelo S216 Burlay drive Uyonissing, PA 19510 USA Commany Post Bors 1000 Sagate Bilstammas Oronoo currently brackets to the same of the sam
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IHC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). <u>Radio Free Asia</u> 7530 via <u>Orzu</u> p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). <u>Voice of America</u> 15460 via <u>Udorn</u> f/d "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). TINIAN ISLAND: Radio Free Asia 11740 p/d ltr. w/ sticker and schedule in 5 wks.(Barto). TURKEY: Voice of Turkey 9765 and 9635 via <u>Emirler</u> f/d "Turkish Souvenirs" cd. in 2 mo. w/ stick- er.(Barto). 9460 and 9445 same cd w/ schedule in 7 wks.(Barto).	SAGALEE BLISDUMMAA Pre, Richard A.D'Angelo 2216 Burlay drive Wymissing, PA 19610 USA Dear Br. Data you for your interest to know Sighter Bilisummaa Cronico - The Vace of Chomo Liberation Germany Fee Bilisummaa Chomo currently brackens to East Africa and the Middle East on 9946-KM in the 31 meters and from 16 00 to 17 00 hours (BMT on Mondey, Workedays and Santoniand Starberg, Santonian, Santon
 <u>Central Broadcasting System Dialect Network - Cantonese</u> 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). <u>TADZIKISTAN: IBC - Tamil</u> 7460 via <u>Dushanbe</u> p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). <u>Radio Pree Asia</u> 7530 via <u>Orzu</u> p/d ltr. in 3 mo.(Barto-CT). <u>THAILAND: BBC World Service</u> 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). <u>Voice of America</u> 15460 via <u>Udorn f/d</u> "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). <u>TINIAN ISLAND: Radio Pree Asia</u> 11740 p/d ltr. w/ sticker and schedule in 5 wks.(Barto). <u>TURKSF: Voice of Turkey</u> 9765 and 9635 via <u>Emirler</u> f/d "Turkish Souvenirs" cd. in 2 mo. w/ stick- er.(Barto). 9460 and 9445 same cd w/ schedule in 7 wks.(Barto). <u>9655</u> f/d cd. in 46 ds.(Borokowski) 	SAGALEE SAGALEE SAGALEE SUMMAA Nr., Richard A.D'Angelo Salis Summaa Nr., Richard A.D'Angelo Salis Summaa Su
 <u>Central Broadcasting System Dia-lect Network - Cantonese</u> 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). <u>TADZIKISTAN: IBC Tamil</u> 7460 via <u>Dushanbe</u> p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). <u>Radio Free Asia</u> 7530 via <u>Orzu</u> p/d ltr. in 3 mo. (Barto-CT). <u>THAILAND: BBC World Service</u> 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). <u>Voice of America</u> 15460 via <u>Udorn f/d</u> "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). <u>TINIAN ISLAND: Radio Free Asia</u> 11740 p/d ltr. w/ sticker and schedule in 5 wks.(Barto). <u>TURKEY: Voice of Turkey</u> 9765 and 9635 via <u>Pmirler</u> f/d "Turkish Souvenirs" cd. in 2 mo. w/ stick- er.(Barto). 9460 and 9445 same cd w/ schedule in 7 wks.(Barto). 9655 f/d cd. in 46 ds.(Borokowski) 15295 and 17815 f/d cd. w/ sked. 	SAGALEE SAGALEE BLISUMMAA Nr., Richard A.D'Angelo Salta Burlay drive BUSSUMMAA OROMOO 2216 Burlay drive Byonissing, PA 19610 USA Commany Poil Box 30010 USA Previous 21 Sade Ben Germany For Box 3001 1330 For Box 300 For Box
Central Broadcasting System Dia- lect Network - Cantonese 15270 and 9690 f/d "Blessing From Gods" cd. in 6 wks.(Barto). 9690 f/d "Pahchia Chiang - Fearsome Warr- iors" cd. in 6 wks.(Barto). 15270 f/d "Dragon Boat Racing" cd. in 6 wks.(Barto-CT). TADZIKISTAN: IBC - Tamil 7460 via * Dushanbe p/d ltr. in 1 yr. and 3 mo. after a f/up rpt. v/s Gopu, Public Relations Officer.(Kusa- lik). Radio Free Asia 7530 via Orzu p/d ltr. in 3 mo.(Barto-CT). THAILAND: BBC World Service 11955 cd. in 2 mo. v/s Ms. Jaruwan. (Glotzbach). Voice of America 15460 via Udorn f/d "US Capitol" cd. in 6 wks.(Barto). f/d "Mount Rushmore" cd. in 7 wks.(Barto). TINIAN ISLAND: Radio Free Asia 11740 p/d ltr. w/ sticker and schedule in 5 wks.(Barto). 4460 and 9445 same cd w/ schedule in 7 wks.(Barto). 9655 f/d cd. in 46 ds.(Borokowski)	SAGALEE BLISDUMMAA OROMOO 2216 Burlay drive Vyonissing, PA 19510 USA USA USA Det ar. Tank you for your interest to know Segate Biltsummaa Oromoo - The Vace of Oromo Levening <i>Generaty</i> Post Bors 10510 1320 Bern We 4 Car DOCK 1000 Fac 0000443377 14.01.99 Det ar. Tank you for your interest to know Segate Biltsummaa Oromoo - The Vace of Oromo Levening <i>Generaty</i> Tank you for your interest to know Segate Biltsummaa Oromoo - The Vace of Oromo Levening <i>Generaty</i> Tank you for your interest to know Segate Biltsummaa Oromoo - The Vace of Oromo Levening <i>Generation</i> (52) Segate Biltsummaa Oromoo currently broakcasting to the Depining of 1979, but discontinged Depinin transmission in 1881 which were on ill have 1992, when it was forced to discontinge begins to many of reception in the target are. The current transmission begins in June 1993 and is bang well received by a great majorit of our poople in Biltonga and neighboring Southings. The Oromo poople endurated a centrary of colonal subgrastion under successive Abrassina regimes that not only fordade the polytic used of Alance Oromoo, the Oromoo Laverston is bio reacts the origination of Oromoo loving in majoritoria to the order to be a transmission begins in June 1993 and is bang well received by a great approfie of an operion in the current regime in Eulopsa, under a viel of and centrations the oral Internative conducation in produce used of from the rest of the viel of once Levensina is to reach the millows of Oromoo loving in majori areas on off from the rest of the viel of a more Levensina is to reach the millows of oroma loving in majori densing the begins that we off the Acet off on the current off on the current off on the beard off on the test of the viel of and cannon activation the oral theorem the one of the beard off on the test of the viel of a communication to the millions in rune oromal being at in or down one of the test of the viel of and when the other test on the onviction abeing at in a store of homan rights We hope that you as a hoby rado mounder



Net Notes

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

Aurora displays spooked early man and still evoke tremendous response from those not fortunate enough to live at latitudes where aurora is normally visible. When there is a disturbance that expands the rings outward from the poles, radio communications are disturbed and we are torn between rushing outside to look and playing with the radio.

Such were the events last April 6-7. Unfortunately it was not visible here... but it did make a showing in the UK and the Netherlands. Some fantastic amateur photographs appeared soon thereafter at www.kersland.u-net.com/ aas/aurora1.html. Trust me, it is well worth a look.

Pentti Lintujarvi, Helsinki, Finland, Webmaster of 1000 Lakes DX Page at www.geocities.com/ Colosseum/Park/3232/dx.htm has been doing a yeoman job of finding new broadcaster URLs in Latin America. In April he found 9 broadcaster sites and regulator sites for Ecuador, Brazil, Chile, Venezuela and Peru. Rather than duplicate his work here, have a look through his Web site.

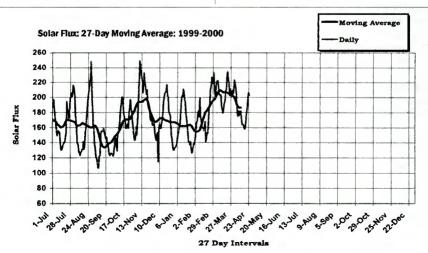
The **HFCC** (High Frequency Coordination Committee) is a non-profit voluntary group active in informal coordination of frequency channels used in shortwave broadcasting. This worldwide committee holds meetings twice a year to resolve (for the most part) potential conflicts. Its Aoo data may also be downloaded from **www.hfcc.org/ data**/. The three prior broadcast seasons are also available.

Apologies to the person who sent a list of URLs re determining latitude and longitude. I misplaced the e-mail message, nowhere to be found, and the sender's name. The memory cells occasionally misfire. One of the significant sites mentioned was Microsoft's TerraServer at terraserver.microsoft. com/. Great satellite photos too... we found our house very quickly.

Be sure to check the **Easy Listen**ing column this month, as Richard Cuff has details of changes to the BBC Web site.

In the last month we've done a significant amount of research and work on the Winter SWL Festival pages. Links for transportation, weather, tourism, media and weather have been broken out onto separate pages, and a few more picture links have been added. Have a link to suggest? Tell me.

As always, **http:**// is implied. And we're still waiting for the warm sun...



Contributors' Page

Fred S. Kohlbrenner • 2641 S. Shields St. • Philadelphia, PA 19142 • fkohl@ix.netcom.com

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions: Brian ALEXANDER, Mechanicsburg, PA Ralph BRANDI, Tinton Falls, NJ Paul BROUILLETTE, Geneva, IL Ross COMEAU, Andover, MA Peter COSTELLO, Matawan, NJ Rich A. D'ANGELO, Wyomissing, PA Ed DIAMOND, Evansville, IN Walt FAIR, Maracaibo, VENEZUELA Marlin FIELD. Hillsdale. MI Bob FRASER, Cohasset, MA George GLOTZBACH, Santa Fe, NM Jennifer GRIFFIN, CA Mark HUMENYK, Weston ONTARIO Fred KOHLBRENNER, Philadelphia, PA Harold LEVISON, Philadelphia, PA Jerry LINEBACK, Scranton, KS William McGUIRE, Cheverly, MD Jim MOATS, Ravenna, OH Bob MONTGOMERY, Levittown, PA Gary NEAL, Sugarland, TX Ed NEWBURY, Kimball, NE Jay NOVELLO, Wake Forrest, NC Takayuki Inoue NOZAKI, Tokyo, JAPAN Mike PACE, Tipton, IA Denis PASQUALE, New Brighton, PA Sheryl PASZKIEWICZ, Manitowoc, WI Stephen PRICE, Johnstown, PA Bob RAYMOND, Nashua, NH Betsy ROBINSON, Clinton, TN Chuck RIPPEL, Cornland, VA Andy RUGG, Quebec, ONTARIO Giovanni SERRA, Rome, ITALY Arnaldo L. SLAEN, ARGENTINA Nobuo TAKENO, Tokyo, JAPAN Fred TRESCHER, Philadelphia, PA Charles WASHBURN, Robbinston, ME Jennifer WEINBRUM, Denver, co

NRD-545 AOR AR-7030 100' LW R8 PR150 Dressler ARA60, 250' LW R8 60' LW R8 325' LW AR3030 DX-390 YB400 70' LW Tun-4A R8 HF150 FL-3 AD Sloper LW R8 Grove SP-600 100' LW Sangean ATS-909 Realistic ant. and LW NRD-535D Eavesdropper LW Sony ICF-2003 ICF-SW100S 2m LW R8B ARA-60

Magnavox D-2935 AN-60 DX-SWL sloper R8 NRD-525 Datong FL-3 ANC-4 Sloper R8 R70 YB400 Icom 746 beverage antennas DX-380 FRG-7700 LW NRD-535D R388 DX Pro active antenna Grundig YB-400 WJ-1000 R8 60'Sloper 20' loop R8A LWS NRD515 NRD535 FRG7000

DX-440 with a 10 meter long wire R8 NRD-525 60' LW Eavesdropper

R8B 20m 5/8 wave vertical Sony 2010 Indoor antenna WJ-HF1000A R8B R390A/SE-3 51S-1 LW'S Icom 735 Ham dipole NRD-525 AD Sloper

NRD-535D 10m LW Sony 2010 FRG-7700

AOR-7030

George Glotzbach was in Virginia Beach on holiday recently and heard Wales Radio International. He is looking for the stations mailing address. If anyone can help, please send me the address and I'll forward it on to George.

Scoreboard Column totals and updates are due by May 15th. If you are not a Scoreboard contributor yet, why not begin by sending in your totals this month. The spotlight for the upcoming column is on North America.

Keep those contributions coming! 73s!

Tropical Band Loggings

Sheryl Paszkiewicz • 314 Riverview Drive, Apt 16 • Manitowoc, WI 54220 • spasz@dataplusnet.com

- 2310 AUSTRALIA CAAMA R 3/28 1202 EG pops (Line-KS)
- 2325 AUSTRALIA CAAMA R 3/28 1202 EG pops (Line-KS)
- 2379.9t BRAZIL R Educadora 4/13 0020 futbol, mx, chat (Nove-NC)
- 2410 NEW GUINEA R Enga 3/28 1155 lang talk (Line-KS) 3/22 1125 tent ID, island mx (Mont-PA)
- 2485 AUSTRALIA CAAMA R 3/28 1202 EG pops (Line-KS)
- 2850 N KOREA KCBS 3/31 1159 class mx (Line-KS)
- 3215 SULAWESI RRI Manado 3/28 IS at 1159 (Line-KS)
- 3220 NEW GUINEA R Morobe 3/24 1045 local mx, ID (D'An-PA) 3/27 1156 lang talk, bird calls, conch shell (Line-KS) 3/22 1108 ID, talk, island mx (Mont-PA)
- 3245 NEW GUINEA R Gulf 3/22 1110 talk, nx (Mont-PA)
- 3260 NEW GUINEA R Madang 3/24 1106 natl nx, ID (D'An-PA) 3/28 1153 lang talk (Line-KS) 3/22 1115 nx, muffled, island mx (Mont-PA)
- 3265 SULAWESI RRI Gorontalo 3/28 1152 IN pops (Line-KS)
- 3320 S AFRICA R. Sonder Grense 4/10 2100 AK nx, mx (Wash-ME)
- 3315 ADMIRALTY ISL R Manus 3/24 1103 EG nx, TC, mx (D'An-PA) 3/28 1153 EG talk (Line-KS)
- 3325 SUMATRA RRI Palangkaraya 3/28 1159 IS (Line-KS)
- 3335 NEW GUINEA R E Sepik 3/24 1042 talk, ID, TC, nx (D'An-PA) 3/28 1153 lang pops (Line-KS)
- 3345 MOLUCCAS RRI Ternate 3/28 1151 IN pops (Line-KS)
- 3355 NEW GUINEA R Simbu 3/22 1125 tent ID, talk, nx (Mont-PA)
- 3360 GUATEMALA LV de Nahuala 3/13 0200 ID, mx, greetings (Robi-TN)
- 3365 NEW GUINEA *R Milne Bay* 3/27 1050 instls, ID, nx (D'An-PA) 3/22 1125 tent ID, local pop mx (Mont-PA)
- 3375 NEW GUINEA R W Highlands 3/22 1125 EG ID, nx, C&W mx (Mont-PA)
- 3380t MALAWI MBC 3/11 0346 lang rel pgm, drama talk (Brou-IL)
- 3385 NEW BRITAIN RENB 3/18 1115 talk, vocals (D'An-PA) 3/28 1151 lang talk, mx (Line-KS) 3/22 1115 US pops, tent ID (Mont-PA)
- 3395 NEW GUINEA R E Highlands 3/24 1115 vocals, TC, ID (D'An-PA) 3/29 1151 local mx (Line-KS) 3/22 1056 local lang, pop mx (Mont-PA)
- 3905 IRIAN JAYA RRI Merauke 3/28 1150 IN pops (Line-KS)
- 3959 SULAWESI RRI Palu 3/28 IS (Line-KS)
- 3976 KALIMANTAN RRI Pontianak 3/28 1149 IN talk, orch mx (Line-KS)
- 3986 S KOREA Vo Hope 3/28 1149 KR orch mx (Line-KS)
- 4000.2 SULAWESI RRI Kendari 3/28 1145 IN pops (Line-KS)
- *4052.5 **GUATEMALA** *R Verdad* 3/27 *1129 NA, anmt, El Tren del Evangelio pgm, TC, ID (TIN-JP)
- 4725 MYANMAR R Myanmar 3/28 1203 Bamar nx (Line-KS)
- 4753.3 SULAWESI RRI Makassar 3/28 1143 IN talk w/EG slang. ID'd as Ujung Pandang (Line-KS)
- 4760 ANDAMAN ISL AIR Pt Blair 1202 EG nx at 1230 (Line-KS)
- 4760 LIBERIA ELWA 4/2 0648 rel mx, hymns (Kohl-PA)
- 4775 SWAZILAND TWR 3/15 0403 mx, GM preaching, ID (D'An-PA) 4/2 0410 GM rel pgm, hymns (Kohl-PA) 3/11 0403 GM rel pgm, hymns (Brou IL)
- 4777 GABON R Gabonaise 3/25 2020 Afr pop mx, ID 2101* (Take-JP)

- 4780 GUATEMALA R Coatan 4/4 1100 ID, nx (Wash-ME)
- 4789 IRIAN JAYA RRI Fak-Fak 3/28 1143 IN vocals (Line-KS)
- 4790 PERU R Atlantida 3/12 0928 SP mx, anmts, ID (Raym-NH)
- 4802 ECUADOR R Oriental 4/2 1039 talk, ment Oriental, drift (Take)
- 4820 HONDURAS HRVC 3/28 0030 cmtry mx (Tres-PA)
- 4825 BRAZIL R Canção Nova 3/11 2315 rel talk, ID (Brou-IL)
- 4825 GUATEMALA R Mam 3/10 1055 SP mx, ID (Raym-NH)
- 4832 COSTA RICA R Reloj 3/29 2310 SP cmtry (Tres-PA)
- 4835 MALI R Malienne 3/17 2045 instl, chorus, ID (Serr-IT)
- 4845 MAURITANIA ORTM 3/29 2300 AR mx (Tres-PA)
- 4850 CAMEROON Yaounde 4/18 2100 EG ID, nx, FR ID, nx (Wash-ME)
- 4850 ECUADOR R Luz y Vida 3/29 2300 SP cmtry (Tres-PA)
- 4860 INDIA AIR Delhi 3/28 1230 EG nx, poor (Line-KS)
- 4874.6 IRIAN JAYA RRI Sorong 3/28 1139 IN vocals, talk (Line-KS)
- 4890 PAPUA NBC 4/5 1004 ID, ment Kina (PNG currency) and church svc (Bran-NJ)
- 4910 INDIA AIR Jaipur 3/23 1720 chants, talk, instl, TP, ID (Serr)
- 4914.6 PERU R Cora 4/8 1030 musica criolla, hosted by Juan Ramirez Lazo. ID (TIN-JP)
- 4915 GHANA GBC 3/11 2340 lang/EG Afr pops, Tammy Wynette! EG nx (Brou-IL) 3/29 2000 lang cmtry (Tres-PA)
- 4920 INDIA AIR Chennai 3/28 1230 EG nx (Line-KS)
- 4925 SUMATRA RRI Jambi 3/28 1138 NA, IN talk (Line-KS)
- 4931 HONDURAS R Costena 3/13 0130 rel pgm to 0458* (Fiel-MI)
- 4935 KENYA KBC 3/7 1843 chants, ment Nairobi, Sudan (Serr-IT)
- 4950 ECUADOR R Bahai 4/20 0900 ID, nx, good (Wash-ME)
- 4950 KASHMIR R Kashmir 3/23 1704 long chant, poor (Serr-IT)
- 4955 COLOMBIA R Nacional 3/28 0000 LA mx (Tres-PA)
 - 4955 PERU R Cultural 4/2 1050 rel mx, talk, ID (Take-JP)
 - 4960 SÃO TOME VOA 4/7 0310 Daybreak Africa, ID (Bran-NJ) 3/14 0316 EG wx of Afr cities, ID (Brou-IL)
 - 4976 UGANDA R Uganda 4/7 0340 mx, nx in lang, EG ID & nx (Bran-NJ)
 - 4980 VENEZUELA Ecos del Torbes 3/28 0040 SP cmtry, mx (Tres-PA)
 - 4990 **PERU** *R Ancash* 4/6 0930 0A mx, cmtry, ads, ID (Wash-ME) 4/6 0942 Andean mx, ID (Take-JP)
 - 4995.6 PERU R Andina 4/4 1017 talk, Ids, ads (D'An-PA) 3/31 0956 Andean mx, talk, ID (Take-JP)
 - 5005 NEPAL R Nepal 1200 talk in lang, laughter, gone by 1310 (Wein)
 - 5009.6 MADAGASCAR R Madagasikara 3/7 1743 ment Mad, song, anmt (Serr)
 - 5010.4 ECUADOR R Escuelas 4/7 0304 anmts, buenos noches, NA (Bran-NJ)
 - 5015 TURKMENISTAN Turkmen R'3/23 1653 instl, anmts, TP (Serr-IT)
 - 5020 SOLOMON ISL SIBC 4/12 1000 EG ID, nx, fair (Wash-ME) 3/20 0950 sports, sked, ID as R Hapi Isles and SIBC, TC (Bran-NJ) 4/8 0807 So Pacific Games, ID, mx (Cost-NJ) 3/18 1130 island mx, ID, nx 1200 (D'An-PA) 3/28 1203 EG nx (Line-KS)
 - 5025 CUBA R Rebelde 3/28 0200 SP mx & cmtry (Tres-PA)
 - 5035 VIETNAM Vo Vietnam 4/5 1157 Asian mx, ID ment Hanoi (Take-JP)
 - 5039.2 PERU R Libertad 4/4 1008 huaynos, ID, flute mx (D'An-PA) 4/1 1100 folklore pgm, canned ID (TIN-JP)
 - 5046.4 JAVA RRI Yogyakarta 3/28 1138 IN vocals (Line-KS)
 - 5050.1 TANZANIA R Tanzania 3/15 1659 drums, TP, anmt, ID (Serr-IT)
 - 5060.4 CHINA Xinjiang PBS 3/23 1646 song, anmt to 1648* (Serr-IT)

<u>an</u>

International Band Loggings

5930

Wallace C. Treibel • 357 N.E. 149th Street • Seattle, WA 98155 • nwhikers@gte.net

SLOVAKIA RSJ in EG 0100. IS, ID, ethnic mx, mailbag, fovs, sked, national nx, //9440 (Field MI,

5975	Newbury PA Winterfest, McGuire MD 3/22) GERMANY V of Hope relay Juelich in EG/FR 0735, excited relig sermon in EG translated into FR,
5975	ID "High Adventure World Radio Network", QTH in UK (Serra ITALY 3/25)
5985	CONGO RTV Congolaise in FR 2038-2145, Afro pops, ID 2045 "Programme Nationale Congolaise",
5505	WYFR IS at 2155 s/on at equal co-channel strength (Novello NC 4/15, Takeno 4/7)
6010	ITALY RAI Rome in EG 0055, Italian forces become peacekeepers in Kosovo, g (Fraser MA 3/16)
6065	IRAN VOIRI Teheran in EG 0034, weapons inspectors in Pakistan, //9022 (Newbury DX-PA 3/13)
6120	CANADA R Japan relay in EG 1112, nx re radio studio theme park opening, g (Fraser MA 3/19)
6140	CHINA R Canada Int relay Xi'an in EG 1640, weekly business rpt, ID, ORM, p (Witham HI 3/15)
61537v	INDONESIA RRI Biak in IN 1124, ballads, vocals, SCI 1159, nx from Jakarta, p (D'Angelo PA 3/24)
6155	UNITED KINGDOM RTE Ireland relay in EG 0134, soccer or rugby coverage, g (Newbury PA 3/13)
6157 8v	INDONESIA RRI Biak in IN 1000, local pops, ID, fqy ancmt, g (Takeno 4/9) ED: See 61537 above
6200	CZECH REPUBLIC R Prague in EG 0200, IS, ID, rpt on NATO, into mx pgm, f (McGuire MD 3/19)
6210	ETHIOPIA R Fana in Oromiffa 0326, ID at 0329 in dialect, nx, lclmx, f, //6940 (Kohlbrenner PA 4/2)
65201	NORTH KOREA R Pyongyang in JP 1124, mx pgm, //7580 (Brandi NJ 4/3)
6890nf	USA WGTG McCaysville, GA in EG 0645, USB, cmntry on Supreme Court, ads, //5085 (Witham HI)
69566nf	PERU R La Voz del Campesino in SP 0048, many ID's, lcl mx (chicha?), ments of
	Huarmaca, TC's, s/off w/NA by brass band at 0103 (Brandi NJ 4/4) ED: Wonder what
	happened to R Paraton same fqy
7195	GERMANY R Liberty relay Lampertheim in Belarus 1650, tlk w/EG translation, //15460 (Witham HI)
7250	RUSSIA V of Vietnam relay Armavir in EG 0230, ID's, tlk re amnesty, exc (Robinson TN 3/18)
9022	IRAN VOIRI Teheran in EG 0030, nx re OPEC, ID, fqy, sked, Koran chants (McGuire
	MD 3/22, Robinson TN 3/12) in EG 2010, "Press Review" re assassination attempt (Fraser MA 3/16)
91651	AZERBAIJAN V of Azerbaijan Baku 0157, xmtr on 0157, silence until *0214, 3 iterations of
91031	IS, ID?, into choral mx (Brandi NJ 4/14)
9485nf	SEYCHELLES FEBA in Somali 1705, ment Somali, regional mx, IS, ID, //11885, f (Witham HI 3/19)
9495	SWEDEN R Sweden in EG 0130, tlk on autism/anorexia treatments, SW rock festival (Robinson
5.55	TN) in SW 0200, bridge mx, ID, fqy, sked, nx, cmntry, g (McGuire MD 4/4)
9505	JAPAN R Japan Tokyo in EG 1450, studies difficult for foreign stundents in Japan
	(Newbury NE 3/2)
9535	CHINA R Canada Int relay Xi'an in EG *1330, IS, ID, nx, weak signal (Field MI 3/29)
9540	UZBEKISTAN R Tashkent in Uzbek 1645, Mideast mx, "Tashkent" ID hrd 1700, p (Witham HI)
9560	HUNGARY R Budapest in EG 0100, nx, ID, pgm on DX hobby, vg (Alexander PA 4/2)
9 590	SINGAPORE R Singapore Int in EG 1127, nx magazine, many TC's, ID 1135 (Brandi NJ 4/3)
9600	VATICAN STATE Vatican R in CH 2200, IS, ID, rpt on Pope's visit to Israel, g (McGuire MD 3/21)
9605	MOROCCO R Free Europe in RO 0609, nx & related items, ID "R Europa Libre" (Field MI 3/18)
9620	URUGUAY SODRE Montevideo in SP 2130, pgm "Compositories e interpretes uruguayos",
	ID, fqy (Slaen ARGENTINA 3/27)
9650	URUGUAY Emisora Ciudad de Montevideo in SP 2116, romantic mx by L Am singers, ads, ID
	2128, relay of MW outlet on 1370 khz, g (Slaen ARGENTINA 3/27)
9665	MOLDOVA V of Russia relay in EG 0335, history of Soviet Union, ID, mail, g (McGuire MD 4/11)
9705	MEXICO R Mexico Int in SP/EG 0320, Mexican mx, many ID's incl EG, QTH (Brandi NJ 4/13)
9720nf	TUNISIA R Tunis Sfax in AR 2100, nx, //7225, abrup s/off at 2102, cont'd on //7225
9795nf	(Brandi NJ 3/22) CANADA Voice of Vietnam relay via Sackville, NB in VT 0400. Occasional inserts in
3130111	French plus musical breaks. Tuned in too late to hear the EG xmsn which is listed for
	0300-0359, exc (Treibel WA 4/21)
	טוט טוט, גע ווכווכנ את אן בון

9840 RUSSIA V of Russia St Petersburg in Farsi 1655, tlk, IS, ID, into AR 1700, p (Witham HI 3/15)

- 9870 AUSTRIA RAI Vienna in EG 0145, mailbag pgm, ID, E-mail address, g (McGuire MD 4/9)
- 9885 IRAN VOIRI Sirjan in EG 1615, rpt on militia in Afghanistan, mx, ID, fqy, sked, f (Witham HI 3/18)
 9930 HAWAII KWHR Naalehu relay of Que Huong Radio in VT 1300-1400, mostly tlk (Field MI 3/30) in
 VT 1400 with relay of Radio Free Asia, ID in EG at start of pqm (Field MI 3/31)
- 9965 ARMENIA R Intercontinental in GM 1910, relig pgm ending with "Hallelujah, Amen", mx, addresses, in GM at end of pgm, also ID in EG, Yerevan QTH, carrier off 1931 (Brandi NJ 3/19)
- 11460nf NORTH KOREA R Pyongyang in SP 0150, mx, IS, ID at 0200, into FR pgm, g (Witham HI)
- 11550 TAIWAN WSHB relay via Taipei in EG 1200, WSHB Christian Science Broadcast (Field MI)
- 11590 CHINA *Huyai BC Corp* Chengdu in Mandarin/Amoy *0850, CH mx pgm, commercial service, (Field MI 3/9) ED: Excellent DX catch as outlet has only listed power of 15 kw.
- 11640nf SOUTH AFRICA TWR relay in EG 0605-0615*, tlk "What is Heaven?", hymn, ID, IS (Witham 3/9)
- 11650nf SEYCHELLES FEBA in Dhivehi 1650-1700*, instruml mx, ID, xmtr interrupts (Witham HI 3/17)
- 11705nf GERMANY BBC relay Biblis in TK *1500 immediately after VOA Philippines s/off, BBC IS and ID at s/on, mostly tlk with EG inserts, f-p with noisy QRN during last 20 mins of pgm (Treibel WA 4/7)
- 11720nf GUAM AWR relay in Mandarin 2155, tlk, inspirational mx, ID "Voice of Hope"//11970 (Witham HI)
- 11734 TANZANIA RT Zanzibar in AR 1935-2005, instrum'ls, vcls, adj chan QRM (Kohlbrenner PA 3/31)
- 11740 SINGAPORE R Telefis Eireann relay in EG 1013, ID 1014 as Radio One, sports update, possible Merlin rebroadcast, rapid fades or flutter but good audio (Montgomery PA 4/3)
- 117505 ALGERIA R Algiers Int in EG 2040, ID's, nx highlights, AR vcls, US pops, f (Kohlbrenner PA 3/31)
- 11765nf ALASKA KNLS Anchor Point in EG 0845, ID, relig tlk, Christian Roundtable, qrm (Brandi NJ 4/11)
- 11770nf UNITED ARAB EMIRATES UAE Radio in AR 0255, monotone tlk, prayers, //21735 (Witham HI)
- 11785 RWANDA Deut Welle relay in PT 2000, "Portugese to Africa", nx, ID, g (Fraser MA 3/16)
- 11787v IRAQ R Iraq Int Baghdad in AR 2000, ID, nx at 2100, lots of AR mx, exc signal (Price PA 3/24)
- 11830 VATICAN STATE Vatican R in CH 2200, IS bells, ID, E Asian svce, relig pgm (McGuire MD 4/4)
 - 11860v INDONESIA RRI Nasional Dua in IN 2250, tlk, Song of the Coconut Islands, ID, nx (Brandi NJ 4/13)
 - 11895 JAPAN R Japan Tokyo in SP 0500, IS, NHK ID, into political nx, g (McGuire MD 4/11)
- 11915 BRAZIL Radio Gaucha in PT 2313, sports report, ID, commercials (Brandi NJ 4/13)
- 11970nf IRAN VOIRI Teheran in EG 0050, national & world nx, ID, political cmntry, g (McGuire MD 4/11)
 RUSSIA V of the Mediterranean relay via Moscow in EG 1900-2000, nx, Euro pop mx, ID, list of upcoming schedule changes, g (Alexander PA 4/1)
- 12085 MONGOLIA V of Mongolia in EG 1049, mailbag, sked for EG prgming, g (D'Angelo PA 3/28)
- 13640nf TURKEY VOT Ankara in EG *2157-2250*, IS, pips, ID, sked, nx, press review, g (Moats OH 3/26)
- 13650 UNITED KINGDOM R Canada Int relay in Ukranian/EG 1558, IS, ID in EG, tlks, f-p (Field MI 3/23)
 13675 UNITED ARAB EMIRATES R Dubai in EG 1602, pqm on Islamic history, //15395 (Serra ITALY) in
- EG 0331, world nx, ID, more Islamic history, q (McGuire MD 3/17)
- 13695 THAILAND R Thailand in EG 0038, rebels fire hrd in Chechnya, tlk on weapons (Newbury DX 3/13)
- 13700 NETHERLANDS RN Flevo in DT 2130, nx, bell chimes, ID, fqy, sked, Web site, g (McGuire MD 4/4)
- 13730 AUSTRIA RAJ Vienna in EG 0128, ID, nx, "Report from Austria", avalanche rescue (Moats OH 4/3) in EG 0138, tlk on age of marriage, getting older, candy making by hand, exc (Levison PA 3/29)
- 15075 INDIA AIR Bangalore in HD 0410, vocal duet, brief tlk by YL ancr, p-f (D'Angelo PA 3/5)
- 15105 ROMANIA RRI Bucharest in EG 0413, details re upcoming pgms, ID (Diamond IN 3/26)
- 15115 NEW ZEALAND RNZI in EG 0940, back again on this fqy, exc (Montgomery PA 4/3) in EG 0750, recorded mx, pips, off the air for several minutes due to fire alarm, interview (Brandi NJ 4/11)
- 15115 ECUADOR HCJB Quito in EG, musical mailbag, Cumbay ya song, exc (Pace 3/31)
- 15140 OMAN R Oman in EG/AR 1442, interview, pop song, ID, into AR pgm1500, f (Serra ITALY 3/19)
- 15150 INDONESIA V of Indonesia 2015-2100*, C&W mx, ID, mail address, IN mx, nx, f (Fraser MA 3/15)
- 151849 EQUATORIAL GUINEA R Africa in EG 2246, preacher w/sermon, s/off w/NA 2259 (Brandi NJ 4/5)
- 15210 CHINA China R Int Jinhua in EG 1006, nx, ID 1007, f, //11730 better (Montgomery PA 4/3) 600 kw!
- 15235 IRAN VOIRI Teheran in Bosnian 0610, Balkan nx, mx, //15510, 17585, all poor (Witham HI 3/12)
- 15240 AUSTRALIA R Australia in EG 0458, tlk re various movies and movie stars (Diamond IN 3/26)

- 15255nf **SWEDEN** *R Sweden* in EG 2129, IS, ID, fqy, "60 Degrees North", pgm sked, nx, //9435 (Moats 3/29)
- 15340nf ROMANIA RRI Bucharest in PT 0100, nx, frequent ID's (Diamond IN 3/26)
- 15355 **OMAN** *R Oman* in EG 0300-0400, Big Ben chimes, relig tlk, introduction to Koran, recitations in AR and EG translations w/cmntry, nx 0315, pop mx, list of lcl events, into AR 0400, vg (Alexander 3/11)
- 15400 UNITED ARAB EMIRATES R Dubai in EG 0330, IS, ID, rpt of Pope's visit to Israel (McGuire 3/21)
- 15435 LIBYA V of Africa in EG 1725, ID, nx, good level but mixing with Saudi Arabia in AR, nx in EG also hrd at 2028, 2330, and 0130 (Alexander PA 4/1, Trescher PA 3/28)
- 15485 PAKISTAN R Pakistan in Urdu 0115, tlk, prayers, poor, //17895 also poor (Witham HI 3/19)
- 15565 NETHERLAND ANTILLES *R Vlaanderen Int* Belgium relay via Bonaire in EG 2230-2300, "Radio World", mailbag, "Tourism" (Brouillette IL 3/26)
- 15725nf CONGO R Canal Liberte Kinshasa in FR/EG 2301*, C&W mx, NA?, abruptly off (Rippel VA 3/18)
- 15820 ARGENTINA R Rivadavia feeder in LSB, Buenos Aires in SP 2015, pop mx, ads, p (Witham HI 3/18) in SP 2055, cmntry on econ situation in Argentina, bulletin nx, ID (Slaen ARGENTINA 3/27)
- 16000 AUSTRALIA VNG Time Station 0931 w/time pips, full ID's (Costello NJ, Brandi NJ) Only 5 kw!
- 17535 ISRAEL Kol Israel Tel Aviv in EG 1520, neo-Nazis march in Berlin in support of Austrian PM, wx rpt (Newbury DX-PA 3/12) in EG 2000, rpt on Pope's tour in Israel, exc (Robinson TN 3/26)
- 17575nf **QATAR** *QBCS* Doha in AR 1530-1600+, mostly tlk and chants, ID 1600, heavy QRM from RTBF Belgium relay on one side and V of Russia on the other (Treibel WA 4/11)
- 17580 AUSTRALIA R Australia in EG 0650, music show with Dr Boo of Triple-J, nx (Brandi NJ 4/11)
- 17605 NETHERLAND ANTILLES *R Nederlands* relay via Bonaire in EG 1932, nx re meeting at The Hague about water rights, Russian PM Putin, voting in Russia etc., exc (Levison PA 3/25)
- 17630 OMAN BBC relay Masirah Island in EG 1645, sports scores, BBC pgm changes, f (Witham HI 3/18)
- 17735nf ROMANIA RRI Bucharest in EG 1707, nx bulletins, "Focus", mailbag, //17805 (Moats OH 4/9)
- 17770 EGYPT R Cairo in AR 0000, IS, ID in AR, nx, fair sig with static (Fair VENEZUELA 3/27)
- 17790 SINGAPORE BBC relay in EG 0005, nx, rpt on oleander poisoning in Sri Lanka, exc (Fair, VEN 3/27)
- 17805 USA R Taipei Int relay Okeechobee, FL in SP 2330, info on Taiwan, pop mx, ID, f (Fair VEN 3/28)
- 17815 ROMANIA *RRI* Bucharest in RM 2340, lcl ballads, cmntry, ID, QTH, abruptly off 2355 (Fair 3/28)
 17835nf GUAM *KSDA* Adventist World R in Cantonese, tlk, relig mx, IS, ID, g (Witham HI)
- 17850 **COSTA RICA REE** Spain relay in SP 1700, IS, ID, pips, live sporting event, g (McGuire MD 3/12)
- 17870 SOUTH AFRICA Channel Africa in EG 1802, nx, sports info, ID, "Newswatch", f (Serra ITALY 3/7)
- 17880nf GUAM KSDA Adventist World R in Mandarin 2325, tlk, "Rock of Ages", ID in EG, f (Witham HI)
- 21455nf USA WYFR Okeechobee, FL in EG 1657, prayers, fqy, QTH, ID, IS, "Open Forum" (Moats OH 3/26)
- 21455nf? UNITED KINGDOM Galaxy Radio in EG 1240, reggae mx, ID with fqy quote of "102.5 FM", abrupt switched to a different feed at 1253 (Brandi NJ 4/8)
- 21455nf? UNITED KINGDOM Virgin Radio in EG 1253 after abrupt switch from Galaxy feed, pop mx, ads, UK nx, ID at 1303, "Rock and Roll Football" w/Terry Venables & Chris Evans, other mx (Brandi NJ 4/8)
- 21715 TURKEY VOT Ankara in TK 0100, variety of mx, time pips, ID, g (Fair VENEZUELA 3/28)
- 21725 AUSTRALIA RA in EG 0135, tlk, mx, aboriginal culture, ID, nx, f (Fair, VENEZUELA 3/27)
- 21740 AUSTRALIA RA in EG 2100, nx items, cmntry, tlk on Mozambique flooding, g (Levison PA 3/5)
- 21745 **CZECH REPUBLIC** *R Prague* in EG 1557, multi-lingual ID's, nx bulletins, wx, feature on computer games, cmntry on Czech TV and Czech language, f-p (Moats OH 4/2)
- 21775 **GERMANY** *Deut Welle* Nauen in EG *1559, IS, ID, billboard, "Newslink", press review (Moats 4/6) 25930usb **COSTA RICA** *RFPI* in EG 1830, ID, fqy ancmt, rock mx, relig tlk, g (Fair VENEZUELA 3/26)

Clandestine, Tentative, Presumed, or Unknown

- 7470 CLANDESTINE National Radio of the Saharan Arab Demoratic Republic in AR 2249-2312*, talk by OM, vocals, ID at 2300 followed by OM in SP w/ID and ancmts, nx, f (D'Angelo PA 3/18)
- 95173 CLANDESTINE Eritrea Voice of the Sudan in AR 0520, speech w/applause, ment Sudan, jamming, p (Witham HI 3/14) ED: Listed power for this one is only 1 kw!
- 11530 LEBANON(p) V of Hope(p) in EG? 1509, pop song, into AR at 1549 recheck, p (Serra ITALY 3/19)
- 11790 NO MARIANAS R Free Asia via Tinian relay in Mandarin 1800, ID in EG, tlk, CH mx (Witham HI)
- 13625 NO MARIANAS R Free Asia via Tinian relay in CH 2128, tlk re CH beer, EG inserts (Raymond NH)
- 15355 **OMAN (t)** *R Oman*(t) in AR 0334-0356 f/o, songs by Bee Gees, Steppenwolf, & Gladys Knight and the Pips, TC, partial ID, fair sig with very deep fades (D'Angelo PA 4/3)
- 15680nf UNIDENTIFIED SITE R Free Asia relay in Burmese(p) *0027, IS, ID in EG, g (Costello NJ 4/6)

English Schedules

Mark J. Fine • 11252 Cardinal Drive • Remington, VA 22734-2032 • fineware@erols.com http://www.erols.com/fineware/ _____

Prepared 21	April 200	0					
0000-0015	April 200	Radio Japan	6050.0eu	6145.0na	6155.0eu	13650.0as	17810.0as
0000-0015		V. of Cambodia	11940.3as				
0000-0027		Radio Prague Int'l	11615.0na	13580.0na			
0000-0030		BBC World Service	3915.0as	5965.0as	5975.0na	6175.0na	6195.0as 7110.0as
0000 0000			9410.0me		9915.0sa		11955.0as 12095.0sa
			15280.0as	15310.0as	15360.0as	17615.0as	17790.0as
0000-0030		Radio Cairo	9900.0am				
0000-0030		Radio Thailand	9655.0af	9690.0af	11905.0af		
0000-0030	mtwhfa	Radio Yugoslavia	9580.0na				
0000-0030		Sri Lanka B'casting Corp.	4940.0do				
0000-0030		VOA	7215.0as	9770.0as	11760.0as	15185.0as	15290.0as 17740.0as
			17820.0as				
0000-0030	twhfa	VOA	5995.0am	6130.0ca	7405.0am	9455.0af	9775.0am11695.0ca
			13740.0am				
0000-0030		WRMI Miami FL	9955.0am				
0000-0045		All India Radio, Delhi	7410.0as			11620.0as	
0000-0056		Radio Pyongyang	4405.0va	11460.0na	11710.0na	13760.1na	15180.0na
0000-0100	5	Global Sound Kitchen	3955.0eu	6140.0eu	7325.0eu		
0000-0100		KALJ Dallas TX	13815.0va				
0000-0100		KTBN Salt Lake City UT	15590.0na				
0000-0100		NBC Windhoek, Namibia	3270.1af	3289.9af			
0000-0100		Radio Australia	9660.0pa	12080.0va	15240.0pa	17580.0pa	17750.0as 17795.0va
			21740.0va				
0000-0100	5	Radio Finland	11985.0na				
0000-0100		Radio Ukraine Int'l	5905.0eu	6020.0eu	9640.0eu		
0000-0100	sm	WWBS Macon GA	11915.0eu				
0000-0100		WWCR Nashville TN	3215.0na		7435.0na	13845.0na	
0000-0100		WYFR Okeechobee FL	6085.0na	9505.0na			
0000-0130		FEBC Manila	15175.0as				
0000-0130		Radio Kiribati	9809.9do	9825.0do			
0000-0130		Radio Netherlands	6165.0na	9845.0na			
0000-0200		Radio Exterior de Espana	6055.0na				
0000-0200		WEWN Birmingham AL	5825.0va	13615.0na			
0000-0200		WSHB Cypress Creek SC	9430.0na	15285.0am			
0000-0300		R. for Peace Int'l	15049.0va	25929.901			
0000-0300		WRNO New Orleans LA	7355.0na				
0000-0400		KWHR Naalehu HI	17510.0as				
0000-0400		WINB Red Lion PA	12160.0am				
0000-0500		SIBC Solomon Islands	5020.0do				
0000-0500	a	SIBC Solomon Islands	9545.0do				
0000-0500		WHRA Greenbush ME	7580.0na				
0000-0515		CBC Northern Service HCJB Quito Ecuador	9625.0do 9745.0na	10110 000	21455.0uf		
0000-0600			7415.0na	9330.0na			
0000-0600		WBCQ Monticello ME WGTG McCaysville GA	5085.0va	6890.0uf			
0000-0600		Kenya BC Corp	4885.0do		4935.0do		
0000-0630		Nat'l BC, Papua NG	9675.0do				
0000-0705		Radio New Zealand Int'l	17675.0pa	11000.000			
0000-0830		ABC Allce Springs	4835.0do				
0000-0830		ABC Katherine	5025.0do				
0000-0830		ABC Tennant Creek	4910.0do				
0000-0850		Caribbean Beacon	6090.0am				
0000-1000		Voice of Guyana	3289.8do	5949.4do)		
0000-1000		WHRI Noblesville IN	5745.0na	7315.0sa			
0000-1000		ZLXA New Zealand	3935.0do	7290.0do			
0000-1100		Radio Vanuatu	3945.0do	4960.0do	7260.0do		
0000-1100		SBC Radio 1, Singapore	6150.0do				
0000-1600		RTM Radio 4, Malaysia	7295.0do				
0015-0100		Radio Japan	6050.0eu	6145.0na	6155.0eu		
0030-0100		BBC English Teaching	9600.0as	17615.0as			
0030-0100		Radio Thailand	9655.0as	11905.0as	15395.0na	1	
0030-0100		Radio Vilnius, Lithuania	9855.0na				
0030-0100	twhfa		5995.0am	6130.0ca	7405.0an	n 9455.0af	9775.0am 11695.0ca
			13740.0am	า ่			
0030-0100		VOA Special English	7215.0as	9770.0as	11760.0as	15185.0as	15290.0as 17740.0as
			17820.0as				
0030-0130		VOIRI Teheran	9022.1am		11970.0na		
0030-0200		BBC World Service	5965.0as			6195.0as	9410.0me 9590.0am
			9915.0sa	11955.0as	12095.0sa	15280.0as	15310.0as 15360.0as
		0.11	17790.0as	1005 0	1075 0	0720 0	15405 000
0030-0200		Sri Lanka B'casting Corp.		6005.0as	6075.0as	9730.0as	15425.085
0030-0200		WRMI Miami FL	7385.0na				
0030-0200		WRMI Miami FL Int'i BC Tamil	9955.0am 11570.0as				
0050-0100		RAI, Rome	6010.0na	0475 000	a 11800.0na		
0050-0110		NAL, RUITE	0010.018	7075.004	1000.000		

Page 42

0100 0115		Padio Finland	11095 000	12770.000
0100-0115		Radio Finland		13770.0na
0100-0127		Radio Prague Int'l	7345.0na	11615.0na
0100-0127		Voice of Vietnam	7250.0na	9695.0na
0100-0130		Radio Budapest	9560.0na	
0100-0130		Radio Canada Int'l	5960.0am	9755.0am11715.0am13670.0am 15170.0am15305.0am
0100-0130		Radio Slovakia Int'i	5930.0na	7230.0ca 9440.0sa
0100-0130		Radio Tashkent	7190.0as	9375.0as 9530.0as 9715.0as
0100-0130		Swiss Radio Int'l	9885.0am	9905.0am
0100-0130	5	Universal Life, Germany	9435.0as	
0100-0130		VOA	7115.0as	9635.0as 11705.0as 11725.0as 11820.0as 13650.0as 17740.0as 17820.0as
	twhfa	VOA		
0100-0130	LWIIId		5995.0am	6130.0ca 7405.0am 9455.0af 9775.0am13740.0am
0100-0145 0100-0156		Deutsche Welle Radio Pyongyang	6040.0am 3560.0va	9640.0am11810.0na 13720.0na
0100-0200		Radio Australia	9660.0pa	11735.0va 15229.9va 17734.9va 12080.0va 15240.0pa 15415.0as 17580.0pa 17750.0as
0100-0200		Rauto Australia		12080.0va 15240.0pa 15415.0as 17580.0pa 17750.0as 21725.0pa
0100-0200		Radio Japan	9515.0me	
0100 0100		reality subtrue		17845.0as
0100-0200		Voice of Indonesia	9525.0va	11784.9va 15149.8va
0100-0200		Voice of Russia	9665.0na	11990.0na 12045.0na 15595.0na 17595.0na
0100-0200		WYFR Okeechobee FL	6065.0na	9505.0na 15165.0as
0100-0230		KJES Vado NM	7555.0na	
0100-0400		WWCR Nashville TN	3215.0na	5070.0na 5935.0na 7435.0na
0100-0500		Radio Havana Cuba	6000.0na	9820.0na 11705.0uf
0100-0800		NBC Windhoek, Namibia	3270.1af	3289.9af
0100-1200		KALJ Dallas TX	5755.0va	
0100-1500		KTBN Salt Lake City UT	7510.0na	
0105-0110		Croatian Radio, Zagreb	9925.0na	
0130-0145		Voice of Africa, Libya		15415.0af 15435.0va
0130-0159		Radio Canada Int'l	5960.0am	9755.0am
0130-0159	sm	Radio Canada Int'l		13670.0am15170.0am15305.0am
0130-0200		AWR Europe, Slovakia	11600.0as	
0130-0200		ORF Vienna	9655.0na	9870.0am13730.0am
0130-0200		Radio Sweden	13625.0as	
0130-0200		Radio Telefis Eireann	6155.0am	
0130-0200		VOA	7115.0as	9635.0as 11705.0as 11725.0as 11820.0as 13650.0as
			15250.0as	17740.0as 17820.0as
0130-0200	twhfa		5995.0am	6130.0ca 9455.0af
0130-0200	twhfa	VOA Special English	7405.0am	9775.0am 13740.0am
0140-0200		Vatican Radio	9650.0au	12055.0au
0145-0200		Radio Tirana, Albania	6115.0na	7160.0na
0200-0210		Radio Bangladesh	4882.0as	
0200-0210		Voice of Greece	7450.0va	9420.0va 12110.0va 15630.0va
0200-0229		Radio Canada Int'l		11715.0am13670.0am15170.0am 15305.0am
0200-0230		Radio Minsk, Belarus	7210.0af	11670.0pa
0200-0230	a	Wales Radio Int'l	9795.0na	
0200-0245		Deutsche Welle	9615.0as	11945.0as 11965.0as
0200-0256		Radio Pyongyang		13649.8va
0200-0256		Radio Romania Int'l	9570.0na	11885.0as 11940.0na 15105.0as 15380.0pa 17790.0pa
0200-0300		BBC World Service	5975.0na	6135.0am 6175.0na 6195.0eu 9410.0eu 9770.0af
			9915.0sa	11760.0me 11955.0as 12095.0sa 15280.0as 15310.0as
0200 0200		Podio Bulancia		17790.0as
0200-0300 0200-0300		Radio Bulgaria Radio Korea	9400.0na 7275.0as	11700.0na
0200-0300		Radio Myanmar	7185.0do	11725.0sa 11810.0sa 15575.0na
0200-0300	twhfa	RAE Buenos Aires	11710.0am	
0200-0300	s.anna	VOA	7115.0as	9635.0as 11705.0as 11725.0as 11820.0as 13650.0as
5200 0000				17740.0as 17820.0as
0200-0300		Voice of Russia	9665.0na	11990.0na 13690.0na 15595.0na 17595.0na
0200-0300		WSHB Cypress Creek SC	7535.0na	9430.0na
0200-0330		Radio Cairo	9475.1am	
0200-0400		Radio Taipei Int'l	5950.0na	9680.0na 11740.0am11825.0pa 15345.0as
0200-0400		WRMI Miami FL	7385.0na	
0200-0400		WYFR Okeechobee FL	6065.0na	9505.0na
0200-0430		Sri Lanka B'casting Corp.		6075.0as 6130.0do 9730.0as 15425.0as
0200-0500		Radio Australia	9660.0pa	12080.0va 15240.0pa 15415.0as 15515.0va 17580.0pa
			17750.0as	
0200-1000		WEWN Birmingham AL	5825.0va	
0205-0210		Croatian Radio, Zagreb	9925.0ir	
0215-0220		Radio Nepal, Katmandu	5005.0as	7165.0as
0230-0245		BBC English Teaching	15405.0as	
0230-0257		Voice of Vietnam	7250.0na	9695.0na
0230-0300		Radio Budapest	9835.0na	
0230-0300		Radio Sweden	9495.0na	
0230-0300		Radio Tirana, Albania	6115.0na	7160.0na
0245-0300		BBC English Teaching	9610.0af	
0250-0310		Vatican Radio	7305.0am	9605.0am
0250-2210		Zambia Nat'l BC Corp.	6165.0do	6265.0do
0300-0327		Radio Prague Int'l	7345.0na	7385.0na 11615.0na
0300-0330		AWR Africa, Meyerton	6015.0af	
0300-0330		BBC World Service	3255.0af	5975.0na 6005.0af 6135.0am 6175.0na 6190.0af
			6195.0eu	7120.0af 7160.0af 9410.0eu 11730.0af 11760.0me 12095.0af 15280.0as 15310.0as 15360.0as 17760.0as
			17790.0as	
		Channel Africa C. Africa		
0300-0330		Channel Africa, S. Africa	6035.0af	
	s twhfa	Radio Mexico Int'l	6035.0at 9705 0am	

	den andre en alterne de la companya				
0300-0330	Radio Thailand		11905.0am15395.0na		
0300-0330	VOA	6080.0af	6115.0af 7105.0a		7290.0af 7340.0af
		9575.0af	9885.0af 17725.0at		
0300-0330 smtwh	VOA	4960.0af			
0300-0345	Deutsche Welle China Radio Int'l	9535.0na	9640.0am11810.0na	13780.0am	15105.0na
0300-0356 0300-0400	Faro del Caribe, C. Rica	9690.0na 505 4 .6ca	6175.0ca 9644.7ca		
0300-0400	R. for Peace Int'l	6970.0va	15049.0va 25929.9u		
0300-0400 sm	R. Luz y Vida, Honduras	3250.0ca	10047.000 20727.70		
0300-0400	Radio Irag Int'l	7157.0ir	9684.0ir 11787.0ir		
0300-0400	Radio Japan		21610.0pa		
0300-0400	Radio Sultanate Oman	15355.0va	21010.000		
0300-0400	Radio Ukraine Int'l	6020.0eu	9640.0eu 12045.0eu		
0300-0400	Voice of Turkey	6155.0af	11655.0va 21715.0pa		
0300-0400	WSHB Cypress Creek SC	11930.0eu			
0300-0430	Radio Cultural, Guatemala		5955.0do		
0300-0500	Voice of Russia	7125.0na	9665.0na 11990.0na	a 15595.0na	17565.0na 17650.0na
		17660.0na	17690.0na		
0300-0530	Zimbabwe BC Corp.	4828.0do	6045.0do		
0300-0600	KVOH Los Angeles CA	9975.0am			
0300-0600	Radio Botswana	3356.0do	4820.0do 7255.0do	0	
0300-0600	Radio Rwanda	6055.0do			
0300-0600	Radio Uganda Vision of Johann Malausia	4976.0do	5026.0do		
0300-0600 0300-0800 mtwhfa	Voice of Islam, Malaysia WMLK Bethel PA	6175.0as 9465.0eu	9750.0as 15295.0as		
0300-1500	WRNO New Orleans LA	7395.0eu			
0305-0310	Croatian Radio, Zagreb	9925.0na			
0310-0340	Vatican Radio	9660.0af			
0330-0345	Voice of Africa, Libya		15415.0af 15435.0va		
0330-0357	Radio Prague Int'l		15470.0as		
0330-0357	Voice of Vietnam	9795.0na	9830.0na		
0330-0400	BBC World Service	3255.0af	5975.0na 6005.0at	6135.0am	6175.0na 6190.0af
		6195.0eu	7120.0af 7160.0ai		11730.0af 11760.0me
				15310.0as	15420.0af 17760.0as
	In Mar Provide Hand		21660.0as		
0330-0400 m	La Voz Evangelica, Hond.				
0330-0400 0330-0400	Radio Dubai, UAE Radio Sweden		13675.0na 15400.0na	1	
0330-0400	VOA	9495.0na	4115 Oct 7105 Oct	7075 0.4	7290.0af 9575.0af
0330-0400	VUA	6080.0af 9885.0af	6115.0af 7105.0at 17725.0af	7275.0af	7290.0af 9575.0af
0345-0400 f	FEBA Seychelles	11885.0af	17710.000		
0400-0405	WWCR Nashville TN	5070.0na	5935.0na 7435.0na	a	
0400-0405 sm	WWCR Nashville TN	3210.0na			
0400-0405 twhf	WWCR Nashville TN	3215.0na			
0400-0415	Kol Israel	9435.0va	15640.0va 17535.0va	3	
0400-0426	R. Vlaanderen Int'l	15565.0na			
0400-0429	Radio Canada Int'l		11975.0me 15215.0m	e	
0400-0429 mtwhf			15345.0af		
0400-0430	Channel Africa, S. Africa	5955.0af			
0400-0430	Radio Cultural, Guatemala		5955.0do		
0400-0430 twhf: 0400-0430	a Radio Mexico Int'l Radio Nigeria, Kaduna	9705.0am	7276 0de		
0400-0430	Swiss Radio Int'l	6090.0do 9610.0eu	7275.0do 9885.0am 9905.0ar	~	
0400-0430	VOA	6080.0af	7170.0va 7265.0a		7290.0af 9575.0af
0400 0450	TO A	9885.0af	11965.0me 15205.0va		7290.0ai 9575.0ai
0400-0445	Deutsche Welle	7225.0af		13690.0af	
0400-0445	WYFR Ökeechobee FL	6065,0na	9505.0na 9985.0et		
0400-0456	China Radio Int'l	9730.0na			
0400-0456	Radio Romania Int'l		15105.0na 15335.0as		
0400-0500	BBC World Service	3255.0af	5975.0na 6005.0a		
		6195.0eu 15280.0as	7120.0af 7160.0a		11760.0me 12095.0eu
		17790.0as		10075.0me	17640.0af 17760.0as
0400-0500	KWHR Naalehu HI	17780.0as			
0400-0500 s twhf:		7385.0na			
0400-0500 m	WRMI Miami FL	9955.0am			
0400-0500	WSHB Cypress Creek SC		15195.0af		
0400-0600	Christian Voice, Zambia	6065.0do			
0400-1200	R. for Peace Int'l	6970.0va	15049.0ir		
0400-2305	Radio Nigeria, Enugu	6025.0do			
0400-2400	Cameroon Radio-TV	4850.0do			
0405-0410	Croatian Radio, Zagreb	9925.0ir			
0405-0500	WWCR Nashville TN	3210.0na	5070.0na 5935.0na	a 7435.0na	
0425-0440 0430-0445	RAI, Rome BBC English Teaching	5975.0af	7150.0af		
0430-0500	ORF Vienna	6010.0eu	9915.0eu		
0430-0500	Radio Yugoslavia	6155.0eu 9580.0na	13730.0eu		
0430-0500	Swiss Radio Int'l	9885,0am	9905.0am		
0430-0500	TWR Swaziland	3200.0af	4775.0af		
0430-0500	VOA	6080.0af	7170.0va 7265.0a	7275.0af	7290.0af 9575.0af
			15205.0va 17725.0at		
0430-0530	Radio Netherlands	6165.0na	9590.0na		
0430-0600	Italian Radio Relay Svc	3985.0va			
0430-0630	African Beacon	6115.0af			
0430-1000	Radio Nigeria, Lagos	3326.0do	4990.0do		
0430-1000	Sri Lanka B'casting Corn.	P130 040			

0430-2305		Radio Nigeria, Ibadan	6050.0do		mana a lu	00000		
0430-2305		Radio Nigeria, Kaduna	4770.0do	6090.000	7275.0do	9570.000		
0445-0500		WYFR Okeechobee FL	9985.0eu					
0500-0504		Radio Pakistan	15175.2me			0440.0-6	22/05 0-6	38570.0.4
0500-0520		Vatican Radio	4005.0eu		7250.0eu		11625.0af	
0500-0529		Radio Canada Int'l	5995.0am	6145.0va		9595.0va	9755.0am	11710.0va
		AND Africa Monorton	11830.0am 5960.0af	6015.0af	15330.0va			
0500-0530		AWR Africa, Meyerton		5975.0na	6005.0af	6175.0am	6190.0af	6195.0eu
0500-0530		BBC World Service	3255.0af 7160.0af	9410.0eu		11760.0me		
					15310.0as			15575.0me
						17885.0af	21660.0as	
0500-0530		Channel Africa, S. Africa	11720.0af					
0500-0530		Swiss Radio Int'l	9610.0eu					
0500-0530		WRMI Miami FL	7385.0na					
0500-0545		Deutsche Welle	9670.0na	9785.0na	11810.0na	11985.0na		
0500-0556		China Radio Int'l	9560.0na					
0500-0600		Radio Australia	9660.0pa	12080.0va	15240.0pa	15515.0va	17580.0pa	21725.0pa
0500-0600 s	a	Radio Australia	17750.0as					
0500-0600		Radio Exterior de Espana	6055.0na					
0500-0600		Radio Japan	5975.0eu	6110.0na	7230.0eu	11715.0as	11760.0as	11840.0as
			13630.0na	15590.0as	21570.0pa			
0500-0600		VOA	5970.0af	6035.0af		7170.0va	7195.0af	9530.0
					13670.0af	15205.0va		
0500-0600		Voice of Russia	17625.0au	17665.0au	21790.0au			
0500-0600		WSHB Cypress Creek SC	7535.0eu	9840.0af				
0500-0600		WYFR Okeechobee FL	5985.0na		11580.0eu			
0500-0700		Radio Havana Cuba	9550.0na	9820.0na	9830.0uf			
0500-0700		Voice of Nigeria	7255.0af	15120.0af				
0500-0720		TWR Swaziland	4775.0af	6100.0af	9500.0af			
0500-0800		Radio Kuwait	15110.0as	15230.0as				
0500-0800		SIBC Solomon Islands	5020.0do	9545.0do				
0500-0900		WWCR Nashville TN	2390.0na	3210.0na	5070.0na	5935.0na		
0500-1000		KWHR Naalehu HI	11565.0pa	17780.0as				
0500-1000		Radio Kiribati	9809.9do	9825.0do				
0500-1000		Radio Liberia Int'l	5100.0do					
0500-1000		WHRA Greenbush ME	11565.0af					
0505-0510		Croatian Radio, Zagreb	9470.0au	11970.0al				
0520-0530		Vatican Radio	9660.0af	11625.0af	15570.0af			
0525-0915		Ghana Broadcasting Corp.	3366.0do	4915.0do				
0530-0545 s	; a	BBC English Teaching	9875.0eu	11770.0eu				
0530-0545		BBC World Service	3255.0af	5975.0na				
			7160.0af	9410.0eu		11760.0me	11765.0af	11955.0pa
						15420.0af	15575.0as	17640.0af
			17760.0as	17790.0as	17885.0af	21660.0as		
0530-0600		Georgian Radio, Tbilisi	11805.0eu					
0530-0600		ORF Vienna	6015.0na					
0530-0600		Radio Dubai, UAE	13675.0au	15435.0au	17830.0au	21700.0au		
0530-0600		Radio Thailand	9655.0eu	11905.0eu	15445.0eu			
0530-0600	mtwhfa	WRMI Miami FL	7385.0na					
0530-1630		Zimbabwe BC Corp.	5975.0do	6045.0do				
0545-0600		BBC English Teaching	9710.0af		12045.0af			
0545-0600		BBC World Service	3255.0af		6005.0af		6190.0af	
			7160.0af			11760.0me		
						15420.0af	15575.Uas	17640.0af
0545 0100		BBC World Service	11675.0eu	T1140.092	17885.0af	2.1000.0d5		
0545-0600 s	5							
0600-0615		TWR Meyerton WBCQ Monticello ME	11640.0af 7 4 15.0na					
0600-0615	mtubf	Radio Canada Int'l		13755 0af	15330 0af	17820.0af		
0600-0629	mtwhf	BBC World Service	6005.0af		n 6190.0af		7160 0af	9410.0eu
0600-0630		BBC World Service	9580.0va			e 11765.0af		11955.0pa
						15420.0af		15565.0eu
			15575.0as	17640.0af	17760.0as	17790.0as		21660.0as
0600-0630		Channel Africa, S. Africa	15215.0af					
0600-0630	mtwhfa	V. of the Mediterranean	7150.0eu					
0600-0630		VOA	5970.0af	6035.0af	6080.0af	7170.0va	7195.0af	9680.0af
			11805.0af			12080.0af	13670.0af	15205.0va
0600-0641		Radio Romania Int'l	11940.0na	15335.0na	a			
0600-0645		Deutsche Welle	6140.0eu	13790.0af	15275.0af	17860.0af		
0600-0700		HCJB Quito Ecuador	9745.0na	15115.0na	a 15160.0ei	21455.0uf		
0600-0700	mtwhf		7120.0va					
0600-0700		Overcomer Ministries	13810.0au					
0600-0700		Radio Australia	9660.0pa	12080.0va	a 15240.0pa	15415.0as	15515.0va	17580.0pa
			17750.0as	21725.0pa	a			
0600-0700		Radio Japan	5975.0eu	7230.0eL	11740.0as	11840.0as	13630.0na	15230.0pa
		100 million (100 million)	21570.0pa					
0600-0700		Republic of Yemen Radio						
0600-0700		Voice of Malaysia	6175.0as		15295.0as			
0600-0700		Voice of Russia	15490.0au			17665.0au	21790.0au	1
0600-0700		WGTG McCaysville GA	5085.0uf	6890.0u	F			
0600-0700	twhfa	WRMI Miami FL	7385.0na					
0600-0700		WYFR Okeechobee FL	5985.0na	7355.0eu	1			
0600-0800		WSHB Cypress Creek SC						
0600-1000		SLBS, Sierra Leone	3316.0do					
0600-1300		Radio Uganda	5026.0do	7110.0dd	o 7196.0de	>		

0600-1500	Christian Voice, Zambia	9865.0do					
0600-1530	Radio Botswana	7255.0do	9600.0do				
0600-2200	ELWA Monrovia, Liberia	4760.0do					
0605-0610	Croatian Radio, Zagreb	9470.0au	11970.0al				
	Croatian Radio, Zagreb	6165.0eu	7365.0eu	9830.0eu			
	TWR Meyerton	11640.0af					
	WBCQ Monticello ME	7415.0na					
0630-0645	Radio Finland	15250.0va	21670.0va				
0630-0645	Vatican Radio	11625.0af	13765.0af	15570.0af			
	Vatican Radio	4005.0eu	5883.0eu		9645.0eu	11740.0eu 15595.	.0eu
0630-0700	BBC World Service	6005.0af	6190.0af			9410.0eu 9580.	
		9740.0as	11760.0me	11765.0af	11940.0af	11955.0pa 12095.	.Oeu
					15485.0eu	15565.0eu 15575.	Oas
		17640.0af	177 6 0.0as	17790.0as	17885.0af	21660.0as	
0630-0700 mtwhfa	BBC World Service	6175.0am					
0630-0700 th	Georgian Radio, Tbilisi	6080.0eu					
0630-0700	VOA	7170.0va			11965.0me		
0630-0700 s a	VOA	5970.0af	6035.0af	6080.0af	7195.0af	11995.0af 12080	.0af
,		13670.0af					
0630-1330	Kenya BC Corp	7125.0do		7210.0do			
0641-0656	Radio Romania Int'l	9570.0eu		11885.0na	11940.0ha	15250.0eu 15335	.ona
	TWR Monte Carlo	6045.0eu	9870.0eu				
0645-0900	Deutsche Welle	6140.0eu	0070 000				
0655-0820	TWR Monte Carlo	6045.0eu	9870.0eu				
0700-0726	R. Vlaanderen Int'l Radio Prague Int'l	5985.0eu 9880.0eu	9865.0as 11600.0eu				
0700-0727	BBC World Service	9580.0va		11760.0me	11765 0af	11940.0af 11955	002
0700-0730	BBC World Service		15310.0as			15485.0eu 15565	
			17640.0eu			17830.0af 21660.	
0700-0730 s a	BBC World Service	17885.0af					
	BBC World Service	6190.0af					
0700-0730	Radio Slovakia Int'l	9440.0au	15460.0au	17550.0au			
	VOA	10869.0lf	10869.0uf				
0700-0745	WYFR Okeechobee FL	7355.0eu		15170.0eu			
0700-0756	Radio Romania Int'l		17735.0af				
0700-0800	HCJB Quito Ecuador	11755.0pa	15160.0eu	21455.0uf			
0700-0800	KHBN Palau	9965.0as		15725.0as			
0700-0800	Radio Australia	9660.0pa	12080.0va	15240.0pa	15415.0as	17580.0pa 17750	.0as
		21725.0pa					
0700-0800	Radio Taipei Int'l	5950.0na					
0700-0800	Voice of Russia	15490.0au	17495,0au	17625.0au	17655.0as	17665.0au 21790	.0au
0700-0800	WBCQ Monticello ME	7415.0na					
0700-0825	Voice of Malaysia	6275.0as	9750.0as	15295.0as			
0700-0830	Radio Myanmar	9730.8do					
0700-1100	Radio Africa, Eq. Guinea	15185.0af					
0700-1100	Voice of Hope, Germany	5975.0eu					
0700-1300	Nat'l BC, Papua NG	3245.0do	3275.0do		3345.0do	3355.0do 3365	.0do
		3395.0do	4890.0do	9675.0do	11880.0do		
	Italian Radio Relay Svc	7120.0va					
0705-0710	Croatian Radio, Zagreb	13820.0au					
0705-0710 s	Croatian Radio, Zagreb	7185.0eu	7365.0eu	6165.0eu	9830.0eu		
0705-0720	BBC English Teaching	6005.0af					
0705-1205	Radio New Zealand Int'l	12045.0pa		0500.00			
0720-0735 smtwhf	TWR Swaziland KTWR Guam	4775.0af 15200.0as	6100.0af	9500.0af			
	BBC World Service	6190.0af	9580 0va	9740.035	11760.0me	11765.0af 11940	Oaf
0730-0800	DDG World Service				15360.0as		
						17830.0af 21660	
0730-0800 s	BBC World Service	15575.0as	17885.0af				
0730-0800	Georgian Radio, Tbilisi	11910.0eu					
0730-0800	ORF Vienna	15410.0me	17870.0m	e			
0730-0800	Swiss Radio Int'l	15545.0af	17685.0af	21750.0af			
0740-0800	KTWR Guam	15200.0as					
	a Info Radio	7285.0eu					
0800-0900 s	Amtr Radio League, SAf	9750.0af	21560.0af				
0800-0900	BBC World Service	6190.0af				12095.0eu 15360	
			15485.0eu	15565.0eu	17640.0eu	17760.0as 17830).0af
	BBC World Coming	21660.0as		17005 0-6	21020 0		
	BBC World Service		15575.0as	17885.0af	21830.0va		
0800-0900	KNLS Anchor Point AK	11765.0as					
0800-0900	Overcomer Ministries	13810.0au			12/05 0	15040 0-0 15415	0
0800-0900	Radio Australia	5995.0pa	9710.0pa 21725.0pa		1.3605.0pa	15240.0va 15415	.uas
0800-0900	a Radio Finland	9560.0eu	21723.upa				
	Radio Korea		13670.0eu				
0800-0900 0800-0900 s	V. of the Mediterranean	9570.0au 11770.0eu					
	VOA		11930.0as	13630 0	15150.024		
0800-0900	VUA Voice of Indonesia		11784.9va				
0800-0900 0800-0900	Voice of Russia				17665.0au	21790 030	
0800-0900	WSHB Cypress Creek SC	9845.0au	9860.0et		17005.0du	2.47 70.0 d u	
0800-0915	KTWR Guam		15330.0as				
0800-1100	HCJB Quito Ecuador		21455.0uf				
0800-1100	KHBN Palau	9955.0as			15725.0as		
0800-1130	University Network	17590.0as					
0800-1430	SIBC Solomon Islands	5020.0do					
0800-1700	NBC Windhoek, Namibia		7215.0a	F			

0804-0820 Radio Pakistan 0805-0810 Croatian Radio, Zagreb						
0805-0810 Croatian Radio, Zagreb	17834.9eu	21465.2eu	1			
	13820.0au					
0815-0900 f FEBA Seychelles	15460.0as					
		0070 000				
0820-0850 s TWR Monte Carlo	6045.0eu	9870.0eu	1			
0830-0900 Georgian Radio, Thilisi	11910.0me					
0830-0900 ORF Vienna	21650.0as	21765.0au	1			
0830-0900 Swiss Radio Int'l	9885.0au	13685.0au				
0830-2130 ABC Alice Springs	2310.0do					
	2485.0do					
0830-2130 ABC Tennant Creek	2325.0do					
0840-0900 s Voice of Armenia, Yereva	1 4810.0eu	15270.0eu	1			
0900-0929 Radio Prague Int'l	21745.0va					
0900-0930 BBC World Service	6190.0af	6195.0as	9605 0as	9740.0as	11760.0me	11765 Oas
				15190.0sa	15310.0as	
				15575.0as	17640.0eu	13300.0as
				21470.0af		17760.045
0000 0020 mtubés BBC World Camiles		17030.04	17065.04	21470.0df	21660.0as	
0900-0930 mtwhfa BBC World Service	11945.0as					
0900-0945 Deutsche Welle	6140.0eu			15105.0as	15210.0af	15410.0af
	15470.0as	17560.0as	17800.0af	21560.0as	21680.0as	21790.0af
0900-0956 China Radio Int'l	11730.0pa	15210.0pa	L			
0900-1000 s Good News World Radio	13740.0au					
0900-1000 a Good News World Radio	5985.0eu	5995.0eu				
0900-1000 s Merlin Network One		3773.0Cu				
	6130.0eu	11000 0				
0900-1000 VOA			13610.0as	15150.0as		
0900-1000 WSHB Cypress Creek SC	9455.0sa	9860.0eu				
0900-1000 WWCR Nashville TN	2390.0na	5070.0na	5935.0na	7435.0na		
0900-1100 Radio Australia		21820.0as				
0915-0930 KTWR Guam	15330.0as					
0915-1000 mtwhf WRMI Miami FL	9955.0am					
0915-1200 Ghana Broadcasting Corp.						
0915-1200 s a Ghana Broadcasting Corp.						
0930-1000 AWR Europe, Forli	9610.0eu	13790.0al				
0930-1000 BBC English Teaching	9605.0as	11765.0as				
0930-1000 BBC World Service	6190.0af			31760.0000	11940.0af	11045 0.00
	11455.0pa	12095.000	15190.0sa	15310.0as	15360.0as	15400.0af
					17760.0as	17790.0 as
		17885.0at	21470.0af	21660.0as		
0930-1000 Radio Vilnius, Lithuania	9710.0eu					
0930-1030 Radio Netherlands	9795.0as	12065.0as	13710.0as			
0930-1100 KTWR Guam	9865.0as					
0945-1100 Deutsche Welle	6140.0eu					
		10010 5				
	9839.9as	12019.5as				
1000-1030 BBC World Service	5965.0na			9740.0as	11760.0me	11940.0af
	11955.0pa	12095.0eu	15310.0as	15360.0as	15485.0eu	15565.0eu
	15575.0as	17640.0eu	17760.0as	17790.0as	17885.0af	21470.0af
	21660.0as					
1000-1030 s a BBC World Service	15190.0sa	15400.0af	17830.0af			
1000-1030 KSDA Guam	11560.0as					
1000-1030 Radio Telefis Eireann	11740.0au					
1000-1030 Sri Lanka B'casting Corp.	4940.0do					
1000-1030 Swiss Radio Int'l	15315.0eu					
1000-1056 China Radio Int'i	11730.0pa	15210.0pa				
1000-1100 All India Radio, Delhi	11585.0as	13700.0au	15020.0as	17485.0au	17840.0as	17895 0au
1000-1100 s a BBS, Bhutan						
	6035.000					
	6035.0do	15590.035	21570.000			
1000-1100 Radio Japan	9695.0as		21570.0pa			
1000-1100 Radio Japan 1000-1100 VOA	9695.0as 6165.0ca	7405.0ca	9590.0ca		15240.0as	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria	9695.0as 6165.0ca 7255.0af	7405.0ca 15120.0af	9590.0ca			15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC	9695.0as 6165.0ca 7255.0af 6095.0am	7405.0ca 15120.0af 9455.0sa	9590.0ca	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na	7405.0ca 15120.0af 9455.0sa	9590.0ca	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC	9695.0as 6165.0ca 7255.0af 6095.0am	7405.0ca 15120.0af 9455.0sa	9590.0ca	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5950.0na	7405.0ca 15120.0af 9455.0sa	9590.0ca	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5950.0na 9955.0am	7405.0ca 15120.0af 9455.0sa	9590.0ca	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Greek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1100 KHBI Saipan, Marianas	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5950.0na 9955.0am 11840.0as	7405.0ca 15120.0af 9455.0sa	9590.0ca	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5950.0na 9955.0am 11840.0as 17680.0va	7405.0ca 15120.0af 9455.0sa 5935.0na	9590.0ca	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WVCR Nashville TN 1000-1100 WVFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1200 WHRI Noblesville IN	9695.0as 6165.0ca 7255.0af 6095.0am 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Greek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1300 WHRI Noblesville IN 1000-1600 KWHR Naalehu HI	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 9930.0as	7405.0ca 15120.0af 9455.0sa 5935.0na	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 Radio Nigeria, Lagos	9695.0as 6165.0ca 7255.0af 6095.0am 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Greek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1300 WHRI Noblesville IN 1000-1600 KWHR Naalehu HI	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5950.0na 9955.0am 11840.0as 17680.0va 9930.0as 4990.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 Radio Jordan 1000-1300 WHRI Noblesville IN 1000-1600 KWHR Naalehu HI 1000-1600 Radio Jordan 1000-1600 Radio Migeria, Lagos 1000-1600 WEWN Birmingham AL	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5955.0am 9955.0am 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 7425.0na	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Liberia Int'I	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 7425.0na 6100.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1200 mtwhfa WRMI Miami FL 1000-1200 Radio Jordan 1000-1300 WHRI Noblesville IN 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liberia, Lagos 1000-1800 Radio Liberia Int'I 1000-1800 Radio Liberia Int'I	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5955.0am 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 7425.0na 6100.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WVFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 Radio Jordan 1000-1300 WHRI Noblesville IN 1000-1600 Radio Nigeria, Lagos 1000-1600 WEWN Birmingham AL 1000-1800 Radio Liberia Int'l 1000-1900 SLBS, Sierra Leone 1000-2000 ZLXA New Zealand	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 9955.0am 11840.0as 0955.0am 11840.0as 6040.0na 9930.0do 7425.0na 6100.0do 5980.0do 3935.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Nigeria, Lagos 1000-1800 Radio Liberia Int'I 1000-2000 SLBS, Sierra Leone 1000-2000 ZLXA New Zealand 1000-2200 Caribbean Beacon	9695.0as 6165.0ca 7255.0af 6095.0an 9955.0an 9955.0an 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WVCR Nashville TN 1000-1100 WVFR Okeechobee FL 1000-1100 WVFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1600 WHRI Noblesville IN 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liberia Lagos 1000-1800 Radio Liberia Lint'I 1000-1900 SLBS, Sierra Leone 1000-2000 ZLXA New Zealand 1000-2200 Voice of Guyana	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 9955.0am 11840.0as 0955.0am 11840.0as 6040.0na 9930.0do 7425.0na 6100.0do 5980.0do 3935.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu	9590.0ca 7435.0na	9770.0pa		15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 mtwhfa WRMI Miami FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Nigeria, Lagos 1000-1800 Radio Liberia Int'l 1000-2000 SLBS, Sierra Leone 1000-2000 ZLXA New Zealand 1000-2200 Caribbean Beacon	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6030.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do 11775.0am 5949.4do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu	9590.0ca 7435.0na	9770.0pa	15240.0as	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Greek SC 1000-1100 WYCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1200 KWHR Nablesville IN 1000-1600 KWHR Naalehu HI 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Liberia Int'I 1000-1800 Radio Liberia Int'I 1000-2000 ZLXA New Zealand 1000-2200 Caribbean Beacon 1000-2200 Voice of Guyana 1000-2200 BC English Teaching	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 5980.0do 5980.0do 5980.0do 5980.0do 11775.0am 11805.0eu	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu	9590.0ca 7435.0na	9770.0pa 9475.0na	15240.0as	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1200 mtwhfa WRMI Miami FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 Rudio Nigeria, Lagos 1000-1600 Radio Lineria Int'I 1000-1600 Radio Lineria Int'I 1000-1600 Radio Lineria Int'I 1000-1800 Radio Lineria Int'I 1000-2000 ZLXA New Zealand 1000-2200 Caribbean Beacon 1000-2200 Voice of Guyana 1015-1030 BBC English Teaching	9695.0as 6165.0ca 7255.0af 6095.0am 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do 11775.0am 5949.4do 11805.0eu 9410.0eu	7405.0ca 15120.0af 9455.0sa 5935.0na 11565.0pa 1765.0pa 15745.0eu 13630.0eu 13630.0eu	9590.0ca 7435.0na 15325.0eu	9770.0pa 9475.0na 15340.0eu	15240.0as 17695.0eu	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1600 WHRI Noblesville IN 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liberia Lagos 1000-1600 Radio Liberia Lagos 1000-1800 Radio Liberia Lagos 1000-2000 ZLXA New Zealand 1000-2000 ZLXA New Zealand 1000-2000 Voice of Guyana 1000-2000 Voice of Guyana 1005-1030 mtwh BBC English Teaching 1015-1030 mtwh	9695.0as 6165.0ca 7255.0af 6095.0am 5070.0na 9955.0am 11840.0as 17680.0va 6400.0as 4990.0do 7425.0na 6100.0do 7425.0na 6100.0do 3935.0do 11775.0am 5949.4do 11805.0eu 9410.0eu	7405.0ca 15120.0af 9455.0sa 13563.0na 9495.0sa 11565.0pa 7285.0d0 15745.0eu 13630.0eu 11970.0eu 9645.0eu	9590.0ca 7435.0na 15325.0eu	9770.0pa 9475.0na	15240.0as 17695.0eu	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Liberia Int'i 1000-1600 SLBS, Sierra Leone 1000-2000 ZLXA New Zealand 1000-2200 Caribbean Beacon 1000-2200 Voice of Guyana 1015-1030 MBK English Teaching 1015-1030 BBC English Teaching 1015-1030 KMH Y	9695.0as 6165.0ca 7255.0af 6095.0am 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do 11775.0am 5949.4do 11805.0eu 9110.0eu 5883.0eu 15640.0va	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va	9590.0ca 7435.0na 15325.0eu 11740.0eu	9770.0pa 9475.0na 15340.0eu	15240.0as 17695.0eu	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WYFR Nokechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1200 Radio Nigeria, Lagos 1000-1600 KWHR Naalehu HI 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liperia, Lagos 1000-1600 Radio Liperia Int'i 1000-1600 Radio Liperia Int'i 1000-1600 SLBS, Sierra Leone 1000-1800 Radio Liperia Int'i 1000-2000 Caribbean Beacon 1000-2000 Caribbean Beacon 1000-2000 Caribbean Beacon 1005-1030 mtwh 1015-1030 mtwh 1015-1030 mtwh 1030-1045 mtwh	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7310.0do	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do	9770.0pa 9475.0na 15340.0eu	15240.0as 17695.0eu	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 Radio Nigeria, Lagos 1000-1600 Radio Liberia Int'i 1000-1600 SLBS, Sierra Leone 1000-2000 ZLXA New Zealand 1000-2200 Caribbean Beacon 1000-2200 Voice of Guyana 1015-1030 MBK English Teaching 1015-1030 BBC English Teaching 1015-1030 KMH Y	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do	9770.0pa 9475.0na 15340.0eu	15240.0as 17695.0eu	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WYFR Nokechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1200 Radio Nigeria, Lagos 1000-1600 KWHR Naalehu HI 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liperia, Lagos 1000-1600 Radio Liperia Int'i 1000-1600 Radio Liperia Int'i 1000-1600 SLBS, Sierra Leone 1000-1800 Radio Liperia Int'i 1000-2000 Caribbean Beacon 1000-2000 Caribbean Beacon 1000-2000 Caribbean Beacon 1005-1030 mtwh 1015-1030 mtwh 1015-1030 mtwh 1030-1045 mtwh	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7310.0do	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do	9770.0pa 9475.0na 15340.0eu	15240.0as 17695.0eu	15425.0as
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WYFR Nokechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1200 Radio Nigeria, Lagos 1000-1600 KWHR Naalehu HI 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liperia, Lagos 1000-1600 Radio Liperia Int'i 1000-1600 Radio Liperia Int'i 1000-1600 SLBS, Sierra Leone 1000-1800 Radio Liperia Int'i 1000-2000 Caribbean Beacon 1000-2000 Caribbean Beacon 1000-2000 Caribbean Beacon 1005-1030 mtwh 1015-1030 mtwh 1015-1030 mtwh 1030-1045 mtwh	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7310.0do	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do	9770.0pa 9475.0na 15340.0eu	15240.0as 17695.0eu	15425.0as
1000-1100Radio Japan1000-1100VOA1000-1100Voice of Nigeria1000-1100WSHB Cypress Creek SC1000-1100WWCR Nashville TN1000-1100WYFR Okeechobee FL1000-1100mtwhfa WRMI Miami FL1000-1200Radio Jordan1000-1200Radio Jordan1000-1200Radio Nigeria, Lagos1000-1600KWHR Naalehu HI1000-1600KWHR Naalehu HI1000-1600Radio Liperia Int'i1000-1600ZLXA New Zealand1000-2000ZLXA New Zealand1000-2000Caribbean Beacon1000-2200Caribbean Beacon1005-1030mtwhBBC English Teaching1015-1030mtwhVatica RadioLiprael1030-1045mtwhRadio Ethopia	9695.0as 6165.0ca 7255.0af 6095.0am 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 7425.0na 6100.0do 5980.0do 11775.0am 5949.4do 11805.0eu 9180.0eu 91864.0va 5883.0eu 15640.0va 5990.0do 9880.0eu	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7.110.0do 11615.0eu	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 KWHR Naalehu HI 1000-1600 Radio Lingeria, Lagos 1000-1800 Radio Lingeria, Lagos 1000-1900 SLBS, Sierra Leone 1000-2000 Caribbean Beacon 1000-2200 Voice of Guyana 1015-1030 mtwhf 1015-1030 mtwhf 1030-1045 mtwhf 1030-1045 mtwhf<	9695.0as 6165.0ca 7255.0af 6095.0am 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 7425.0na 6100.0do 5980.0do 11775.0am 5949.4do 11805.0eu 9180.0eu 91864.0va 5883.0eu 15640.0va 5990.0do 9880.0eu	7405.0ca 15120.0af 9455.0sa 5935.0na 9495.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7.110.0do 11615.0eu	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1600 KWHR Naalehu HI 1000-1600 KWHR Naalehu HI 1000-1600 Radio Lingeria, Lagos 1000-1800 Radio Lingeria, Lagos 1000-1900 SLBS, Sierra Leone 1000-2000 Caribbean Beacon 1000-2200 Voice of Guyana 1015-1030 mtwhf 1015-1030 mtwhf 1030-1045 mtwhf 1030-1045 mtwhf<	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 11775.0am 5949.4do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do 9880.0eu	7405.0ca 15120.0af 9455.0sa 11565.0pa 7285.0da 1565.0pa 1265.0pa 12745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7110.0d0 11615.0eu 6190.0af 12095.0eu	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu	15240.0as 17695.0eu 21850.0eu	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Greek SC 1000-1100 WVCR Nashville TN 1000-1100 WVFR Okeechobee FL 1000-1100 WVFR Okeechobee FL 1000-1100 WVFR Okeechobee FL 1000-1100 WVFR Okeechobee FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1600 WHRI Noblesville IN 1000-1600 Radio Liberia Int'l 1000-1600 Radio Liberia Int'l 1000-1600 Radio Liberia Int'l 1000-1800 Radio Liberia Int'l 1000-2000 ZLXA New Zealand 1000-2000 ZLXA New Zealand 1000-2000 ZLXA New Zealand 1000-2000 Voice of Guyana 1000-2000 Valtan Radio 1015-1030 mtwh BBC English Teaching 1015-1030 mtwh f 1030-1057 Radio Ethiopla 1030-1057 Radio Prague Int'l	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 9930.0as 4990.0do 5980.0do 3935.0do 11775.0am 6100.0do 5980.0do 11805.0eu 9410.0eu 5640.0va 5990.0do 9880.0eu 5965.0na 117640.0eu	7405.0ca 15120.0af 9455.0sa 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7110.0do 11615.0eu 6190.0af 12095.0eu	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 15310.0as	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WWCR Nashville TN 1000-1100 WWFR Okeechobee FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1200 Radio Iderain 1000-1200 Radio Iderain 1000-1200 Radio Iderain 1000-1400 Radio Nigeria, Lagos 1000-1600 Radio Liberia Int'l 1000-1600 Radio Liberia Int'l 1000-1600 SLBS, Sierra Leone 1000-2000 ZLXA New Zealand 1000-2200 Caribbean Beacon 1000-2200 Voice of Guyana 1015-1030 mtwh BBC English Teaching 1030-1035 Kol Israel 1030-1045 mtwhf Radio Ethiopla 1030-1100 BBC World Service 1030-1100 a BBC World Service	9695.0as 6165.0ca 7255.0af 6095.0am 9955.0am 1840.0as 17680.0va 6040.0na 9930.0as 4990.0do 7425.0na 6100.0do 5980.0do 3935.0do 11775.0am 5949.4do 11805.0eu 9410.0eu 5883.0eu 9410.0eu 5890.0do 9880.0eu 5596.0na 11955.0pa 17640.0eu 5596.0na	7405.0ca 15120.0af 9455.0sa 5935.0na 11565.0pa 7285.0da 15745.0eu 13630.0eu 11970.0eu 9445.0eu 17790.0eu 9445.0eu 11615.0eu 6190.0af 12095.0eu 17790.0as	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 15310.0as	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1200 Radio Nigeria, Lagos 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liberia Int'I 1000-200 Caribbean Beacon 1000-200 Caribbean Beacon 1000-200 Caribbean Beacon 1000-200 Voice of Guyana 1015-1030 mtwhf 1030-1035 mtwhf 1030-1045 mtwhf 1030-1057 BBC World Service 1030-1100 s BBC World Service 1030-1100 SDA Guam <th>9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 15190.0sa</th> <th>7405.0ca 15120.0af 9455.0sa 11565.0pa 7285.0da 11565.0pa 7285.0da 15745.0eu 11970.0eu 9645.0eu 11970.0eu 9645.0eu 11970.0eu 9645.0eu 11535.0va 7110.0do 11615.0eu</th> <th>9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 17885.0af 17830.0af</th> <th>9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af</th> <th>15240.0as 17695.0eu 21850.0eu 11760.0me</th> <th>11940.0af</th>	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 15190.0sa	7405.0ca 15120.0af 9455.0sa 11565.0pa 7285.0da 11565.0pa 7285.0da 15745.0eu 11970.0eu 9645.0eu 11970.0eu 9645.0eu 11970.0eu 9645.0eu 11535.0va 7110.0do 11615.0eu	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 17885.0af 17830.0af	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WWCR Nashville TN 1000-1100 WWFR Okeechobee FL 1000-1200 KHBI Saipan, Marianas 1000-1200 Radio Jordan 1000-1200 Radio Iderain 1000-1200 Radio Iderain 1000-1200 Radio Iderain 1000-1400 Radio Nigeria, Lagos 1000-1600 Radio Liberia Int'l 1000-1600 Radio Liberia Int'l 1000-1600 SLBS, Sierra Leone 1000-2000 ZLXA New Zealand 1000-2200 Caribbean Beacon 1000-2200 Voice of Guyana 1015-1030 mtwh BBC English Teaching 1030-1035 Kol Israel 1030-1045 mtwhf Radio Ethiopla 1030-1100 BBC World Service 1030-1100 a BBC World Service	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 15190.0sa	7405.0ca 15120.0af 9455.0sa 11565.0pa 7285.0da 11565.0pa 7285.0da 15745.0eu 11970.0eu 9645.0eu 11970.0eu 9645.0eu 11970.0eu 9645.0eu 11535.0va 7110.0do 11615.0eu	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 15310.0as	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1200 Radio Nigeria, Lagos 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liberia Int'I 1000-200 Caribbean Beacon 1000-200 Caribbean Beacon 1000-200 Caribbean Beacon 1000-200 Voice of Guyana 1015-1030 mtwhf 1030-1035 mtwhf 1030-1045 mtwhf 1030-1057 BBC World Service 1030-1100 s BBC World Service 1030-1100 SDA Guam <td>9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6040.0na 6040.0na 6100.0do 5980.0do 3935.0do 11775.0am 5949.4do 11805.0eu 13640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 55965.0na 11955.0pa 17640.0eu 15190.0sa 13675.0eu</td> <td>7405.0ca 15120.0af 9455.0sa 5935.0na 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7110.0do 11615.0eu 6190.0af 12095.0eu 17795.0as 15400.0af 11795.0as</td> <td>9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 17885.0af 17830.0af</td> <td>9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af</td> <td>15240.0as 17695.0eu 21850.0eu 11760.0me</td> <td>11940.0af</td>	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6040.0na 6040.0na 6100.0do 5980.0do 3935.0do 11775.0am 5949.4do 11805.0eu 13640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 55965.0na 11955.0pa 17640.0eu 15190.0sa 13675.0eu	7405.0ca 15120.0af 9455.0sa 5935.0na 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7110.0do 11615.0eu 6190.0af 12095.0eu 17795.0as 15400.0af 11795.0as	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 17885.0af 17830.0af	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1200 Radio Nigeria, Lagos 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liberia Int'I 1000-200 Caribbean Beacon 1000-200 Caribbean Beacon 1000-200 Caribbean Beacon 1000-200 Voice of Guyana 1015-1030 mtwhf 1030-1035 mtwhf 1030-1045 mtwhf 1030-1057 BBC World Service 1030-1100 s BBC World Service 1030-1100 SDA Guam <th>9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6040.0na 6040.0na 6100.0do 5980.0do 3935.0do 11775.0am 5949.4do 11805.0eu 13640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 55965.0na 11955.0pa 17640.0eu 15190.0sa 13675.0eu</th> <th>7405.0ca 15120.0af 9455.0sa 5935.0na 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7110.0do 11615.0eu 6190.0af 12095.0eu 17795.0as 15400.0af 11795.0as</th> <th>9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 17885.0af 17830.0af</th> <th>9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af</th> <th>15240.0as 17695.0eu 21850.0eu 11760.0me</th> <th>11940.0af</th>	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6040.0na 6040.0na 6100.0do 5980.0do 3935.0do 11775.0am 5949.4do 11805.0eu 13640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 55965.0na 11955.0pa 17640.0eu 15190.0sa 13675.0eu	7405.0ca 15120.0af 9455.0sa 5935.0na 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7110.0do 11615.0eu 6190.0af 12095.0eu 17795.0as 15400.0af 11795.0as	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 17885.0af 17830.0af	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af
1000-1100 Radio Japan 1000-1100 VOA 1000-1100 Voice of Nigeria 1000-1100 WSHB Cypress Creek SC 1000-1100 WWCR Nashville TN 1000-1100 WYFR Okeechobee FL 1000-1100 WYFR Okeechobee FL 1000-1200 Radio Jordan 1000-1200 Radio Jordan 1000-1200 Radio Nigeria, Lagos 1000-1600 KWHR Naalehu HI 1000-1600 Radio Liberia Int'I 1000-200 Caribbean Beacon 1000-200 Caribbean Beacon 1000-200 Caribbean Beacon 1000-200 Voice of Guyana 1015-1030 mtwhf 1030-1035 mtwhf 1030-1045 mtwhf 1030-1057 BBC World Service 1030-1100 s BBC World Service 1030-1100 SDA Guam <th>9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 15190.0sa</th> <th>7405.0ca 15120.0af 9455.0sa 5935.0na 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7110.0do 11615.0eu 6190.0af 12095.0eu 17795.0as 15400.0af 11795.0as</th> <th>9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 17885.0af 17830.0af</th> <th>9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af</th> <th>15240.0as 17695.0eu 21850.0eu 11760.0me</th> <th>11940.0af</th>	9695.0as 6165.0ca 7255.0af 6095.0am 5970.0na 5950.0na 9955.0am 11840.0as 17680.0va 6040.0na 6930.0as 4990.0do 7425.0na 6100.0do 5980.0do 11805.0eu 9410.0eu 5883.0eu 15640.0va 5990.0do 9880.0eu 5965.0na 11955.0pa 17640.0eu 15190.0sa	7405.0ca 15120.0af 9455.0sa 5935.0na 11565.0pa 7285.0do 15745.0eu 13630.0eu 11970.0eu 9645.0eu 17535.0va 7110.0do 11615.0eu 6190.0af 12095.0eu 17795.0as 15400.0af 11795.0as	9590.0ca 7435.0na 15325.0eu 11740.0eu 9704.2do 6195.0va 15310.0as 17885.0af 17830.0af	9770.0pa 9475.0na 15340.0eu 15595.0eu 9740.0as 15485.0eu 21470.0af	15240.0as 17695.0eu 21850.0eu 11760.0me	11940.0af

1030-1100							
		Radio Korea	11715.0na				
1030-1100		Voice of Mongolia	12085.0au				
1030-1130		Radio Netherlands	6045.0eu	9795.0as	9860.0eu	12065.0as	13710.0as
1030-1130		Sri Lanka B'casting Corp.	4940.0do	11835.0as 1	5120.0as	17850.0as	
1100-1104		Radio Pakistan	7110.0do	17834.9eu 2	1465.2eu		
1100-1120	fa	Radio Almaty, Kazakhstan		11840.0eu			
1100-1125		Radio Moldova Int'l	11580.0am) .			
1100-1127		Voice of Vietnam	7285.0as				
1100-1130	mtwhf	BBC Caribbean Report	6195.0ca	15220.0ca			
1100-1130		BBC World Service	5965.0na	6195.0as	9580.0as	9740.0as	11760.0me 11955.0as
			12095.0eu	15280.0as 1	5310.0as	15400.0af	15485.0eu 15565.0eu
				17640.0eu 1	7700.0as	17790.0sa	17830.0af 17885.0af
			21470.0af				
1100-1130		BBC World Service	6190.0af	11940.0af			
1100-1130	s a	BBC World Service	6195.0na	15190.0sa 1	5220.0am		
1100-1130		VOA	6160.0as	9645.0as	9760.0as	9770.0pa	15160.0as 15240.0as
			15425.0as				
1100-1130	mtwhf	VOA	13675.0af	15550.0af 1	7650.0af	17780.0af	21600.0af
1100-1145		Deutsche Welle	6140.0eu	11785.0af 1	5410.0af	17680.0af	17860.0af
1100-1200		FEBC Manila	11580.0as				
1100-1200		Radio Bulgaria	15700.0eu	17500.0eu			
1100-1200	mtwhf	Radio Canada Int'l	9640.0na	13650.0na 1	7765.0na	17820.0na	
1100-1200		Radio Japan	6120.0na	9695.0as 1	5590.0as		
1100-1200		Radio Ukraine Int'i	21520.0au				
1100-1200		Swiss Radio Int'l	13735.0as	21770.0as			
1100-1200		Voice of Asia, Talwan	7445.0as				
1100-1200		WWCR Nashville TN	5070.0na	5935.0na	7435.0na	15685.0na	
1100-1200		WYFR Okeechobee FL	5850.0na	5950.0na			
1100-1215	5	Radio Vanuatu	3945.0do	4960.0do	7260.0do		
1100-1230		VOIRI Teheran	15385.0as	15430.0as 1		21470.0as	21730.0as
1100-1300		Overcomer Ministries	5850.0eu				
1100-1300		WSHB Cypress Creek SC		11660.0am			
1100-1330		Radio Australia	5995.0pa		9580.0va	13605.0pa	21820.0as
1100-1400		Radio Singapore Int'l	6150.0as	9590.0as			
1100-1530		HCJB Quito Ecuador		15115.0am2	1455.0uf		
1100-1600		KHBN Palau	9955.0as	9965.0as	9985.0as	13840.0as	
1100-2400		CBC Northern Service	9625.0do				
1115-1145		Radio Nepal, Katmandu	5005.0as	7165.0as			
1120-1140	W	Radio Almaty, Kazakhstan		11840.0eu			
1130-1145		Voice of Africa, Libya		15415.0af 1	5435.0va		
1130-1156		R. Vlaanderen Int'l	9865.0as	9925.0eu			
1130-1157		Radio Prague Int'i	6055.0eu	21745.0as			
1130-1200		BBC English Teaching	5875.0eu		9635 Oeu	11680 Deu	11895.0eu 13670.0eu
				15325.0eu 1	7695.0eu	11000.000	11075.000 15070.000
1130-1200		BBC World Service	5965.0na	6195.0va		9740.0as	11760.0me 11955.0as
						15310.0as	15485.0eu 15565.0eu
						17830.0af	
1130-1200	mtwhfa	BBC World Service		17640.0eu 1 11940.0af		17830.0af	17885.0af 21470.0af
1130-1200 1130-1200	mtwhfa	BBC World Service Radio Sweden	15575.0as	17640.0eu 1		17830.0af	
	mtwhfa		15575.0as 6190.0af 18960.0na	17640.0eu 1		17830.0af	
1130-1200		Radio Sweden	15575.0as 6190.0af 18960.0na 17590.0as	17640.0eu 1 11940.0af		17830.0af	
1130-1200 1130-1200		Radio Sweden University Network	15575.0as 6190.0af 18960.0na 17590.0as	17640.0eu 1 11940.0af 17795.0as 17515.0va			
1130-1200 1130-1200 1130-1200 1130-1200		Radio Sweden University Network Vatican Radio VOA	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as	7700.0as		17885.0af 21470.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230		Radio Sweden University Network Vatican Radio VOA Radio Netherlands	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu	17640.0eu 1 11940.0af 17795.0as 17515.0va	7700.0as		17885.0af 21470.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230		Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp.	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as	7700.0as		17885.0af 21470.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230	f	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as 9860.0eu	7700.0as		17885.0af 21470.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1130-1200		Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as	7700.0as		17885.0af 21470.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1130-1200 1140-1200 1145-1600	f	Radio Sweden University Network Vatican Radio VDA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as 9860.0eu 11840.0eu	7700.0as		17885.0af 21470.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1300 1140-1200 1145-1600 1200-1215	f	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as 9860.0eu	7700.0as		17885.0af 21470.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1140-1200 1145-1600 1200-1215 1200-1215	f	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as 9860.0eu 11840.0eu 11835.0as	7700.0as		17885.0af 21470.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1140-1200 1145-1600 1200-1215 1200-1215	f	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambolia BBC Caribbean Report	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca	7700.0as 9760.0as	9770.0pa	17885.0af 21470.0af 15160.0as 15240.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1140-1200 1145-1600 1200-1215 1200-1215	f	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af	7700.0as 9760.0as 6195.0as	9770.0pa 9515.0na	17885.0af 21470.0af 15160.0as 15240.0as 9580.0as 9740.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1140-1200 1145-1600 1200-1215 1200-1215	f	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambolia BBC Caribbean Report	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 1956.0na 11760.0me	17640.0eu 1 11940.0af 17795.0as 17515.0va 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 1 11940.0af 1	7700.0as 9760.0as 6195.0as 1955.0as	9770.0pa 9515.0na 12095.0eu	17885.0af 21470.0af 15160.0as 15240.0as 9580.0as 9740.0as 15280.0as 15310.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1140-1200 1145-1600 1200-1215 1200-1215	f	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambolia BBC Caribbean Report	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af	7700.0as 9760.0as 6195.0as 1955.0as	9770.0pa 9515.0na 12095.0eu	17885.0af 21470.0af 15160.0as 15240.0as 9580.0as 9740.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1140-1200 1145-1600 1200-1215 1200-1215 1200-1220 1200-1220	f t mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 11760.0me 15485.0et 17885.0af	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 1 1556.50eu 1: 21470.0af	7700.0as 9760.0as 6195.0as 1955.0as	9770.0pa 9515.0na 12095.0eu	17885.0af 21470.0af 15160.0as 15240.0as 9580.0as 9740.0as 15280.0as 15310.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1140-1200 1145-1600 1145-1600 1200-1215 1200-1220 1200-1220	f t mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service BBC World Service	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 620.0eu 6140.0eu 7135.0as 6195.0ca 5965.0na 11760.0me 15485.0eu 17885.0af 6195.0na	17640.0eu 1 11940.0af 1795.0as 17515.0va 9645.0as 9860.0eu 11840.0eu 11840.0eu 11845.0as 15220.0ca 6190.0af 11940.0af 1 1556.5eu 1 21470.0af	7700.0as 9760.0as 6195.0as 5575.0me	9770.0pa 9515.0na 12095.0eu 17640.0eu	17885.0af 21470.0af 15160.0as 15240.0as 9580.0as 9740.0as 15280.0as 15310.0as 17700.0as 17830.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1130-1230 1140-1200 1145-1600 1200-1215 1200-1215 1200-1220 1200-1220 1200-1220	f t mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i	15575.0as 6190.0af 18960.0na 17599.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0eu 17885.0af 6195.0na 9640.0na	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 11940.0af 11940.0af 115565.0eu 1 21470.0af 15520.0am	7700.0as 9760.0as 6195.0as 5575.0me 3650.0na	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as	17885.0af 21470.0af 15160.0as 15240.0as 9580.0as 9740.0as 15280.0as 15310.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1140-1200 1140-1200 1145-1600 1200-1215 1200-1215 1200-1220 1200-1220 1200-1220 1200-1230	f t mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Tashkent	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 9940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0eu 17885.0af 6195.0na 9640.0na 7285.0as	17640.0eu 1 11940.0af 1795.0as 17515.0va 9645.0as 9860.0eu 11840.0eu 11840.0eu 11845.0as 15220.0ca 6190.0af 11940.0af 1 1556.5eu 1 21470.0af	7700.0as 9760.0as 6195.0as 5575.0me 3650.0na	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as	17885.0af 21470.0af 15160.0as 15240.0as 9580.0as 9740.0as 15280.0as 15310.0as 17700.0as 17830.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1140-1200 1200-1215 1200-1220 1200-1220 1200-1220 1200-1230	f t mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Carlbean Report BBC World Service RBC World Service Radio Canada Int'i Radio Tashkent Swiss Radio Int'i	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 620.0eu 6140.0eu 7135.0as 6195.0ca 5965.0na 1760.0me 15485.0eu 17885.0af 6195.0na 9640.0na 9640.0na 9640.0na	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 1 15565.0eu 1 21470.0af 5565.0eu 1 21470.0af 9660.0as 1. 9715.0as 1	7700.0as 9760.0as 6195.0as 5575.0as 5575.0me 3650.0na 5295.0as	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 17775.0as	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 17830.0af 17765.0na 17820.0na
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1140-1200 1140-1200 1200-1215 1200-1215 1200-1220 1200-1220 1200-1230 1200-1230	f t mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Tashkent Swiss Radio Int'i VOA	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 9955.0am 9420.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0eu 17885.0af 6195.0na 9640.0na 7285.0as 15315.0eu 6160.0as	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15565.0eu 1: 21470.0af 15220.0am 9660.0as 1: 9715.0as 1:	7700.0as 9760.0as 6195.0as 5575.0me 3650.0na 5295.0as 9760.0as	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 17775.0as	17885.0af 21470.0af 15160.0as 15240.0as 9580.0as 9740.0as 15280.0as 15310.0as 17700.0as 17830.0af
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1140-1200 1140-1200 1145-1600 1200-1215 1200-1215 1200-1220 1200-1220 1200-1230 1200-1230 1200-1230 1200-1245	f t mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC Caribbean Report BBC World Service Radio Canada Int'l Radio Tashkent Swiss Radio Int'l VOA	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6045.0eu 4940.0do 9955.0am 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0eu 17885.0af 6195.0na 9640.0na 7285.0as 15315.0eu 6160.0as 5850.0na	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15565.0eu 1 15565.0eu 3 15220.0am 9645.0as 1 9715.0as 1 9745.0as	7700.0as 9760.0as 6195.0as 5575.0me 3650.0na 5295.0as 9760.0as 9760.0as	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 17775.0as 15160.0as	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 17830.0af 17765.0na 17820.0na
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1140-1200 1200-1215 1200-1215 1200-1220 1200-1230 1200-1230 1200-1230 1200-1230 1200-1235	f t mtwhf s a	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'l Radio Tashkent Swiss Radio Int'l VOA WYFR Okeechobee FL Radio Polonia, Warsaw	15575.0as 6190.0af 18960.0na 17599.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0af 6195.0na 9640.0na 7285.0as 15315.0eu 6160.0as 5850.0na 6095.0eu	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15565.0eu 1 21470.0af 15220.0am 9660.0as 1 9715.0as 1 9645.0as 1 9715.0as 1	7700.0as 9760.0as 6195.0as 5575.0me 3650.0na 5295.0as 9760.0as 9760.0as	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 17775.0as 15160.0as 11820.0eu	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1140-1200 1140-1200 1200-1215 1200-1215 1200-1220 1200-1220 1200-1230 1200-1230 1200-1230 1200-1230 1200-1230 1200-1230	f t mtwhf S a	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Canada Int'i Radio Tashkent Swiss Radio Int'i VOA WYFR Okeechobee FL Radio Polonia, Warsaw	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0eu 17885.0af 6195.0na 7285.0as 15315.0eu 1610.0as 5850.0na 6095.0eu 9715.0as	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15565.0eu 1: 21470.0af 15220.0am 9645.0as 1: 9645.0as 1: 9645.0as 1: 9760.0eu 1	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 5295.0as 9760.0as 9750.0na 9525.0eu 1675.0pa	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 15160.0as	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17705.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1140-1200 1200-1215 1200-1220 1200-1220 1200-1230 1200-1230 1200-1230 1200-1235 1200-1245 1200-1255	f t mtwhf s a	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Tashkent Swiss Radio Int'i VOA WYFR Okeechobee FL Radio Polonia, Warsaw China Radio Int'i	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6045.0eu 4940.0do 9955.0am 6140.0eu 7135.0as 11940.3as 6195.0ca 11940.3as 6195.0na 9620.0ma 15485.0eu 15485.0eu 6195.0na 9640.0na	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15565.0eu 1: 21470.0af 15220.0am 9645.0as 1: 9645.0as 1: 9645.0as 1: 9760.0eu 1	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 5295.0as 9760.0as 9750.0na 9525.0eu 1675.0pa	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 15160.0as	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1130-1230 1140-1200 1140-1200 1200-1215 1200-1215 1200-1220 1200-1230 1200-1230 1200-1230 1200-1235 1200-1255 1200-1255 1200-1256 1200-1230	f t mtwhf s a	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC Caribbean Report BBC World Service Radio Canada Int'I Radio Tashkent Swiss Radio Int'I VOA WYFR Okeechobee FL Radio Poonia, Warsaw China Radio Int'I Radio Poonia, Warsaw	15575.0as 6190.0af 18960.0na 17599.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0af 6195.0na 9640.0na 7285.0as 15315.0eu 6160.0as 5850.0na 5350.0eu 9715.0eu 5350.0eu	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15565.0eu 1: 21470.0af 15220.0am 9645.0as 1: 9645.0as 1: 9645.0as 1: 9760.0eu 1	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 5295.0as 9760.0as 9750.0na 9525.0eu 1675.0pa	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 15160.0as	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17705.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1140-1200 1140-1200 1140-1200 1200-1215 1200-1215 1200-1220 1200-1230 1200-1230 1200-1230 1200-1255 1200-1255 1200-1256	f t mtwhf s a	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Canada Int'i Radio Tashkent Swiss Radio Int'i VOA WYFR Okeechobee FL Radio Polonia, Warsaw China Radio Int'i Radio Polonia, Warsaw China Radio Int'i Radio Pyongyang BBS, Bhutan KHBI Saipan, Marianas	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 9455.0am 9420.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 2965.0na 11760.0me 15485.0et 17885.0af 6195.0na 7285.0as 15315.0eu 160.0as 5850.0na 6095.0eu 9715.0as 3560.0va 5030.0do	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 11540.0af 15220.0am 9660.0as 1 9665.0as 15950.0na 1 9772.0.0eu 9760.0pa 1 9760.0pa 1	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 5295.0as 9760.0as 7750.0na 9525.0eu 1675.0pa 9850.0va	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17705.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1140-1200 1200-1215 1200-1220 1200-1220 1200-1230 1200-1230 1200-1235 1200-1245 1200-1256 1200-1256	f t mtwhf s a	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Tashkent Swiss Radio Int'i Radio Int'i Radio Polonia, Warsaw China Radio Int'i Radio Polonia, Warsaw China Radio Int'i Radio Polongang BBS, Bhutan KHBI Saipan, Marianas	15575.0as 6190.0af 18960.0na 175990.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0mu 15485.0af 6195.0na 9640.0na 9640.0na 15315.0eu 6195.0na 9640.0na 5850.0na 6095.0eu 9715.0as 3560.0va 5560.0va 5560.0va 11550.0as	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 11940.0af 15565.0eu 1 15565.0eu 1 7270.0am 9660.0as 1 9715.0as 1 9645.0as 15950.0an 1 7270.0eu 1 9760.0pa 1 9640.0va 1	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 5295.0as 9760.0as 7750.0na 9525.0eu 1675.0pa 9850.0va	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17705.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1140-1200 1140-1200 1200-1215 1200-1215 1200-1220 1200-1220 1200-1230 1200-1230 1200-1235 1200-1250 1200-1250 1200-1250 1200-1230 1200-1230 1200-1230 1200-1255	f t mtwhf s a	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Tashkent Swiss Radio Int'i VOA WYFR Okeechobee FL Radio Poonia, Warsaw China Radio Int'i Radio Poonia, Warsaw China Radio Int'i Radio Pongyang BBS, Bhutan KHBI Saipan, Marianas Radio France Int'i	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9420.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15315.0eu 15315.0eu 6160.0as 5850.0na 15315.0eu 9640.0na 7285.0as 15315.0eu 9640.0na 7285.0as 15315.0eu 9715.0as 3560.0va	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15565.0eu 1: 9660.0as 1 9645.0as 19715.0as 1975.0as 19645.0as 19760.0pa 1 9640.0va	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 9750.0as 9750.0as 9750.0as 9750.0as 9525.0eu 1675.0pa 9850.0va 5195.0eu	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17705.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1230 1140-1200 1140-1200 1140-1200 1200-1215 1200-1215 1200-1220 1200-1230 1200-1230 1200-1230 1200-1230 1200-1255 1200-1255 1200-1256 1200-1256 1200-1250 1200-1250 1200-1300 1200-1300 1200-1300	f t s a mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Canada Int'i Radio Tashkent Swiss Radio Int'i VOA WYFR Okeechobee FL Radio Polonia, Warsaw China Radia Int'i Radio Pongyang BBS, Bhutan KHBI Saipan, Marianas Radio Fance Int'i Radio Fance Int'i Radio Fance Int'i Radio Tashville TN	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 9955.0am 9420.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 9965.0na 11760.0me 15485.0e1 6195.0na 9640.0na 7285.0as 15315.0eu 160.0as 5850.0na 6095.0eu 9715.0as 3560.0va 5030.0do 11550.0as 11570.0as 5030.0na	17640.0eu 1 11940.0af 1795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15220.0an 9665.0eu 1 9665.0eu 1 9715.0as 12970.0eu 9745.0as 15155.0eu 1 9640.0ya 1 9640.0ya 1 9760.0ya 1	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 9750.0as 9750.0as 9750.0as 9750.0as 9525.0eu 1675.0pa 9850.0va 5195.0eu	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17765.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1145-1600 1200-1215 1200-1215 1200-1220 1200-1230 1200-1230 1200-1230 1200-1230 1200-1255 1200-1255 1200-1256 1200-1256 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1400	f t s a mtwhf	Radio Sweden University Network Vatican Radio VDA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Canada Int'i Radio Canada Int'i Radio Canada Int'i Radio Canada Int'i Radio Tashkent Swiss Radio Int'i VOA WYFR Okeechobee FL Radio Polonia, Warsaw China Radio Int'i Radio Polonja, Warsaw China Radio Int'i Radio Polonja, Warsaw China Radio Int'i Radio Polongang BBS, Bhutan KHBI Saipan, Marianas Radio Tanee Int'i Radio Taipei Int'i WWCR Nashville TN WGTG MCCaysville GA	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0af 6195.0na 9640.0na 7285.0as 15315.0eu 6195.0na 9640.0na 5850.0na 5850.0na 5850.0na 5030.0do 11550.0as 5560.0va 5030.0do 11550.0as 5070.0na 9400.0va	17640.0eu 1 11940.0af 1795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15220.0an 9665.0eu 1 9665.0eu 1 9715.0as 12970.0eu 9745.0as 15155.0eu 1 9640.0ya 1 9640.0ya 1 9760.0ya 1	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 9750.0as 9750.0as 9750.0as 9750.0as 9750.0as 9525.0eu	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17765.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1140-1200 1240-1200 1200-1215 1200-1215 1200-1220 1200-1220 1200-1230 1200-1230 1200-1255 1200-1255 1200-1255 1200-1255 1200-1255 1200-1255 1200-1256 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1400	f t s a mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'i Radio Canada Int'i Radio Canada Int'i Radio Tashkent Swiss Radio Int'i VoA WYFR Okeechobee FL Radio Poonia, Warsaw China Radio Int'i Radio Poonia, Warsaw China Radio Int'i Radio Poonia, Warsaw China Radio Int'i Radio Pongyang BBS, Bhutan KHBI Saipan, Marianas Radio France Int'i WWCR Nashville TN WGTG McCaysville GA University Network	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 9420.0eu 6440.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0me 15485.0a1 15785.0na 12785.0as 15315.0eu 6140.0as 5850.0na 7285.0as 15315.0eu 9640.0na 7285.0as 15315.0eu 9715.0as 3560.0va 5030.0do 11550.0as 11670.0eu 9713.0as 5070.0na 9400.0va 17795.0as	17640.0eu 1 11940.0af 1795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15220.0an 9665.0eu 1 9665.0eu 1 9715.0as 12970.0eu 9745.0as 15155.0eu 1 9640.0ya 1 9640.0ya 1 9760.0ya 1	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 9750.0as 9750.0as 9750.0as 9750.0as 9750.0as 9525.0eu	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17765.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1140-1200 1200-1215 1200-1220 1200-1220 1200-1230 1200-1230 1200-1230 1200-1255 1200-1255 1200-1255 1200-1255 1200-1256 1200-1256 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1400 1200-1600	f t s a mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Carlbbean Report BBC World Service Radio Canada Int'i Radio Tankent Swiss Radio Int'i VOA WYFR Okeechobee FL Radio Polonia, Warsaw China Radio Int'i Radio Polonia, Warsaw China Radio Int'i Radio Polonja, Marsaw China Radio Int'i Radio Polonja, Marsaw China Radio Int'i Radio Polongang BBS, Bhutan KHBI Saipan, Marianas Radio Tance Int'i Radio Jordan	15575.0as 6190.0af 13960.0a 175990.0as 15595.0va 6160.0as 15425.0as 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 5965.0na 11760.0mu 17485.0af 6195.0na 9640.0na 9640.0na 9640.0na 5850.0na 6195.0eu 9715.0as 5850.0na 6195.0eu 9715.0as 15315.0eu 6160.0as 5850.0na 6095.0eu 9716.0eu 7130.0as 5070.0na 9400.0va 17795.0as	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 11940.0af 15220.0am 9665.0eu 1 9665.0eu 1 9715.0as 1 9645.0as 1 9760.0pa 1 9760.0pa 1 9760.0pa 1 9760.0pa 1 9760.0pa 1 19640.0va	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 9750.0as 9750.0as 9750.0as 9750.0as 9750.0as 9525.0eu	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17765.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1140-1200 1140-1200 1200-1215 1200-1215 1200-1220 1200-1230 1200-1230 1200-1230 1200-1230 1200-1255 1200-1250 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1400 1200-1400 1200-1400 1200-1400	f t s a mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'I Radio Tashkent Swiss Radio Int'I VOA WYFR Okeechobee FL Radio Polonia, Warsaw China Radio Int'I Radio Polonia, Warsaw China Radio Int'I Radio Polonia, Warsaw China Radio Int'I Radio Pongyang BBS, Bhutan KHBI Saipan, Marianas Radio Taipei Int'I WWCR Nashville TN WGTG McCaysville GA University Network Radio Jordan Ghana Broadcasting Corp.	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 9400.0du 9400.0du 9400.0du 9400.0eu 9400.0eu 9400.0eu 17135.0as 11940.3as 6195.0ca 11760.0me 15485.0af 6195.0na 9640.0na 7285.0as 15315.0eu 9715.0as 3560.0va 3560.0va 3560.0va 3560.0va 11550.0as 11670.0eu 7130.0as 5070.0na 9400.0va 17795.0as 11690.0va	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 15565.0eu 1: 9660.0as 1 9715.0as 19715.0as 19715.0as 19760.0pa 1 9640.0va 9760.0pa 1 9640.0va 15155.0eu 1: 9610.0au 7435.0na 1 12172.0uf	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 9750.0as 9750.0as 9750.0as 9750.0as 9750.0as 9525.0eu	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17765.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1140-1200 1140-1200 1200-1215 1200-1215 1200-1215 1200-1220 1200-1230 1200-1230 1200-1230 1200-1255 1200-1255 1200-1255 1200-1256 1200-1256 1200-1250 1200-1200 1200-1300 1200-1200 1200-1255 1200-1256 1200-1250 1200-1200 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1200	f t s a mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'I Radio Canada Int'I Radio Canada Int'I Radio Tashkent Swiss Radio Int'I VOA WYFR Okeechobee FL Radio Polonia, Warsaw China Radio Int'I Radio Polonia, Warsaw China Radio Int'I Radio Polonia, Marianas Radio France Int'I Radio Fance Int'I Radio Fance Int'I WGTG McCaysville TN WGTG McCaysville GA University Network Radio Jordan Ghana Broadcasting Corp. KALJ Dallas TX	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6045.0eu 4940.0do 9955.0am 9620.0eu 6140.0eu 7135.0as 11940.3as 6195.0ca 11940.3as 6195.0ca 11940.3as 6195.0na 11760.0me 15485.0eu 17885.0af 6195.0na 7285.0as 15315.0eu 9640.0na 7285.0as 15315.0eu 9715.0as 3560.0va 3560.0va 3560.0va 3560.0va 11550.0as 11670.0eu 9715.0as 11670.0eu 9715.0as 11690.0va 4915.00va	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 11940.0af 11940.0af 15220.0am 9645.0as 13975.0au 13975.0au 1975.0au 1975.0au 19760.0pa 1 9760.0pa 1 9640.0va 15155.0eu 11 9640.0au 7435.0na 1 12172.0uf 6130.0d0	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 9750.0as 9750.0as 9750.0as 9750.0as 9750.0as 9525.0eu	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17765.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as
1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1130-1200 1140-1200 1140-1200 1200-1215 1200-1215 1200-1220 1200-1230 1200-1230 1200-1230 1200-1230 1200-1255 1200-1250 1200-1300 1200-1300 1200-1300 1200-1300 1200-1300 1200-1400 1200-1400 1200-1400 1200-1400	f t s a mtwhf	Radio Sweden University Network Vatican Radio VOA Radio Netherlands Sri Lanka B'casting Corp. WRMI Miami FL Radio Almaty, Kazakhstan Deutsche Welle BBC English Teaching V. of Cambodia BBC Caribbean Report BBC World Service Radio Canada Int'I Radio Tashkent Swiss Radio Int'I VOA WYFR Okeechobee FL Radio Polonia, Warsaw China Radio Int'I Radio Polonia, Warsaw China Radio Int'I Radio Polonia, Warsaw China Radio Int'I Radio Pongyang BBS, Bhutan KHBI Saipan, Marianas Radio Taipei Int'I WWCR Nashville TN WGTG McCaysville GA University Network Radio Jordan Ghana Broadcasting Corp.	15575.0as 6190.0af 18960.0na 17590.0as 15595.0va 6160.0as 15425.0as 9400.0du 9400.0du 9400.0du 9400.0eu 9400.0eu 9400.0eu 17135.0as 11940.3as 6195.0ca 11760.0me 15485.0af 6195.0na 9640.0na 7285.0as 15315.0eu 9715.0as 3560.0va 3560.0va 3560.0va 3560.0va 11550.0as 11670.0eu 7130.0as 5070.0na 9400.0va 17795.0as 11690.0va	17640.0eu 1 11940.0af 17795.0as 9645.0as 9860.0eu 11840.0eu 11835.0as 15220.0ca 6190.0af 11940.0af 11940.0af 11940.0af 11940.0af 15220.0am 9645.0as 13975.0au 13975.0au 1975.0au 1975.0au 19760.0pa 1 9760.0pa 1 9640.0va 15155.0eu 11 9640.0au 7435.0na 1 12172.0uf 6130.0d0	7700.0as 9760.0as 9760.0as 1955.0as 5575.0me 3650.0na 5295.0as 9760.0as 7750.0na 925.0eu 1675.0pa 9850.0va 5195.0eu 3845.0na	9770.0pa 9515.0na 12095.0eu 17640.0eu 15195.0as 15160.0as 11820.0eu 11980.0as 9975.0va 15540.0af 15685.0na	17885.0af 21470.0af 15160.0as 15240.0as 15280.0as 9740.0as 15280.0as 15310.0as 17700.0as 15310.0as 17765.0na 17830.0af 17765.0na 17820.0na 15240.0as 15425.0as

1205-1505	Radio New Zealand Int'l	6100.0oc					
1215-1330	Radio Cairo	17595.0as					
1220-1300	BBC World Service	5965.0na	6190.0af	6195.0va	9515.0na	9580.0as	9740.0as
					12095.0eu		
					e 17640.0eu	17700.0as	17830.0af
1220-1300 mtwhf	BBC World Service	15220.0an	21470.0af				
1230-1245	BBC English Teaching		17780.0af	21640.0af			
1230-1257	Voice of Vietnam	9839.9as	12019.5as	22010.000			
1230-1259	Radio Canada Int'l	9640.0na	13650.0na	17765.0na	17820.0na		
1230-1300	AWR Europe, Forli	9610.0eu	13790.0al				
1230-1300	KSDA Guam	15330.0as					
1230-1300	ORF Vienna Badia Baggladach	6155.0eu	13730.0va				
1230-1300 1230-1300	Radio Bangladesh Radio Sweden	7184.0as	9558.0as 21810.0as				
1230-1300	Radio Thailand	9655.0as		11905.0as			
1230-1300	VOA	6160.0as	9645.0as		15160.0as	15240.0as	15425.0as
1230-1300	a Wales Radio Int'l	17650.0au					
1230-1330	Voice of Turkey		21540.0va				
1230-1600	Sri Lanka B'casting Corp.		6005.0as	6075.0as	9730.0 a s	15425.0 a s	
1245-1300 a 1300-1315 smtwhf	a FEBA Seychelles WRMI Miami FL	15535.0me					
1300-1329	Radio Prague Int'l	9955.0am	17485.0as				
1300-1330 smtwhf		13650.0na					
1300-1330 s	Radio Canada Int'l	17800.0na					
1300-1330 mtwhf		9640.0na	17765.0na	17820.0na			
1300-1330 s	Universal Life, Germany	9955.0na					
1300-1356	China Radio Int'l Radio Romania Int'l	7405.0na			11900.0pa	11980.0as	15180.0as
1300-1356 1300-1400	BBC World Service	15250.0na 5965.0na	15390.0eu	6190.0af		9515 000	9740.0as
-200 1400	Trona Scitice				12095.0eu		
		15420.0af	15485.0eu	15565.0eu	15575.0me		
			17885.0af	21470.0af			
1300-1400 s	Good News World Radio	15330.0as					
1300-1400 1300-1400	KHBI Saipan, Marianas KNLS Anchor Point AK	9940.0as 9615.0as					
1300-1400	Radio Korea	9570.0as	9640.000	113670.0as			
1300-1400	SIBC Solomon Islands	5020.0do	1010.001	125070.045			
1300-1400	VOA	6160.0as	9645.0as	9760.0as	15160.0as	15425.0as	
1300-1400	WSHB Cypress Creek SC	9430.0am	9455.0na				
	a Channel Africa, S. Africa	11720.0af	17780.0af	21725.0af			
1300-1500	FEBC Manila	11995.0as					
1300-1500	KJES Vado NM Overcomer Ministries	11715.0na	12010.00				
1300-1500 1300-1500	WHRI Noblesville IN	5850.0eu 60 4 0.0na	13810.0eu 15105.0sa				
1300-1500	WYFR Okeechobee FL		11830.0na	31970 0na	17750 Ona		
1300-1600	Voice of Hope, Lebanon	11530.0va			11100.0114		
1300-1700	a Global Sound Kitchen	9750.0eu	12005.0eu	15235.0eu			
1300-1900	Nat'l BC, Papua NG	3395.0do					
1300-2100	Radio Uganda	4976.0do	5026.0do				
1300-2200 1315-1700 s	WWCR Nashville TN WRMI Miami FL	9475.0na 9955.0am	12160.0na	13845.0na	15685.0na		
1330-1345	BBC English Teaching		21640.0af				
1330-1357	Voice of Vietnam	7145.0eu	9730.0eu				
1330-1400	KSDA Guam		11750.0as				
1330-1400	Radio Australia	5995.0pa	6020.0pa	9475.0as	9580.0va	1165 0.0pa	21820.0as
1330-1400	Radio Canada Int'l	9535.0as	11795.0as				
1330-1400 smtwhf 1330-1400 s	Radio Canada Int'l Radio Canada Int'l	13650.0na 17800.0na					
1330-1400 s 1330-1400 mtwhf	Radio Canada Int'i	17800.0na 9640.0na	17765 000	17820.0na			
1330-1400	Radio Dubai, UAE		15395.0eu				
1330-1400	Radio Sweden		18960.0na				
1330-1400	Radio Tashkent	7285.0as		15295.0as	17775.0as		
1330-1500	All India Radio, Delhi	9710.0as	11620.0as	13710.0as			
1330-1630	Voice of Hope, Germany		17550.0af	100			
1330-2400 1345-1405	Kenya BC Corp Vatican Radio	4885.0do	4915.0do	4935.0do			
1345-1405	Kol Israel		21620.0au 17535.0va				
1400-1430	Radio Australia	5995.0as	9475.0as	9580.0va	11650.0pa		
1400-1430	Radio Mexico Int'l	5985.0am	9705.0am				
1400-1430	Radio Thailand	9655.0as		11905.0as			
1400-1430 s	Universal Life, Germany	9710.0eu					
1400-1430	VOA	6160.0as	7125.0as	9645.0as	9760.0as	15160.0as	15255.0va
1400-1430 s	VOA	15425.0as 18275 Olf	18275.0uf				
1400-1456	China Radio Int'l	7405.0na		11675.025	11825.0as	13685 0af	15110 0as
		15125.0af				_2000.0dl	
1400-1500	BBC World Service	5990.0as			9515.0na		11865.0na
		15575.0me	17640 0eu	17700 0as	15310.0as 17830.0af	17840 0am	10065.0eu 21470.0af
		21660.0af				2. 0. 0.0dm	- 2 · · · · · · · · · · · · · · · · · ·
1400-1500	Radio France Int'l		17620.0va				
1400-1500	Radio Japan Radio Sultanata Oman	9505.0na	9860.0as	11730.0as	11880.0me		
1400-1500 1400-1500	Radio Sultanate Oman Radio Taipei Int'l	15140.0eu 15125 0as					
		UAS CASE					

1400-1500	Swiss Radio Int'i		17670.0as			
1400-1500	Voice of Russia	11695.0as		12055.0me		
1400-1559 s	Radio Canada Int'i	13650.0na	17800.0na			
1400-1600	SBC Radio 1, Singapore	6150.0do				
1400-2200	WGTG McCaysville GA	12172.0uf				
1400-2200 mtwhf	WGTG McCaysville GA	9400.0va				
1415-1420	Radio Nepal, Katmandu	5005.0as	7165.0as			
1415-1430 mtw	BBC English Teaching	11860.0af	15420.0af	21490.0af		
1430-1500	AWR Europe, Slovakia	17525.0as				
1430-1500	KSDA Guam	9385.0as				
1430-1500	VOA	6160.0as	7125.0as	9645.0as	9760.0as	15160.0as 15255.0va
1450 1500		15425.0as				
1430-1600	KTWR Guam	15330.0as				
1430-1600	Radio Myanmar	5985.9do				
1430-1630	Radio Netherlands	9890.0as	12065.0as	15590.0as		
1430-1700	Radio Australia	5995.0as			11650.0pa	11660.0as
1500-1515	Voice of Sharlah, Afghan.	7002.2do	7085.0do			
1500-1530	BBC World Service	5975.0as	5990.0as		6195.0as	9515.0na 9740.0as
1500-1550		11860.0af				15220.0na 15310.0as
		15400.0af	15420.0af	15485.0eu	15575.0eu	17700.0as 17830.0af
		17840.0am	21470.0af	21490.0af	21660.0af	
1500-1530	Channel Africa, S. Africa	17770.0af				
1500-1530	ORF Vienna	17865.0na				
1500-1530	Radio Mexico Int'l	5985.0am	9705.0am	1		
1500-1530	VOA	7125.0as	9645.0as	9700.0me	9780.0as	15205.0va 15255.0va
1500-1530	VOA Special English	6160.0as	9590.0as			12040.0as 15235.0as
1500-1530	Voice of Mongolia		12085.0as			
1500-1556	China Radio Int'l	7160.0as	7405.0na	9785.0as	13685.0af	15125.0af
1500-1556	Radio Pyongyang	4405.0va			11710.0na	
1500-1600	FEBA Seychelles	11600.0as				
1500-1600	Overcomer Ministries	5850.0eu				
1500-1600	Radio Japan	9750.0as	9860.0as	11730.0as		
1500-1600	Voice of Russia	4940.0me			7325.0me	9730.0eu 11500.0as
1000-1000	VOICE OF RUSSIN	12015.0me	1705.000		1223.000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1500-1600	WYFR Okeechobee FL	11830.0na	17750 Ona			
1500-1700	Voice of Nigeria	7255.0af	15120.0af			
1500-1700	WHRI Noblesville IN	13760.0na				
1500-2200	Christian Voice, Zambia	4965.0do				
1500-2200	WHRA Greenbush ME	17650.0af				
1500-2400	KTBN Salt Lake City UT	15590.0na				
1500-2400	WRNO New Orleans LA		15420.0al			
1505-1650	Radio New Zealand Int'l	6145.0oc	10420.04			
	BBC English Teaching	11685.0as	15540 026			
1530-1545	Radio Bangladesh	4882.0as	15520.0as			
1530-1545	BBC World Service	5975.0as	5990.0as		6195.0as	9515.0na 9740.0as
1530-1600	BBC WUIN Service			12095.0eu		15310.0as 15400.0af
				17700.0as		17840.0am21470.0af
		21660.0af				
1530-1600	Georgian Radio, Tbilisi	6180.0me				
1530-1600	VOA	7125.0as	9645.0as	9700.0me	9780.0as	15205.0va 15255.0va
1530-1600	VOA Special English	6160.0as	9590.0as	9760.0as	9845.0as	12040.0as 15235.0as
1530-1630	HCJB Quito Ecuador	12005.0am	15115.0an	n		
1530-1630	VOIRI Teheran	7115.0as		11775.0as		
1530-1800	Radio Botswana	3356.0do	4820.0do	7255.0do		
1545-1600 s h	Radio Bangladesh	4882.0as	15520.0as			
1550-1610	Vatican Radio			17730.0au		
1600-1615	BBC World Service	3915.0as	5975.0as		6195.0as	7160.0as 9515.0na
		9740.0as	11940.0af	12095.0eu	15310.0as	
						21470.0af 21660.0af
1600-1615	Radio Pakistan	11570.1me			17510.0me	17720.0af
1600-1627	Radio Prague Int'l	5930.0eu	21745.0af			
1600-1630	Channel Africa, S. Africa	9525.0af				
1600-1630 s	a KTWR Guam	15330.0as				
1600-1630	Radio Dubai, UAE	13675.0eu	15395.0eu	21605.0eu		
1600-1630 s	Universal Life, Germany	15105.0af				
1600-1645	Deutsche Welle	6140.0eu	6170.0as	7225.0as	9735.0af	11810.0af 17595.0as
		21775.0af				
1600-1656	China Radio Int'l	7190.0af	9565.0af	9870.0af		
1600-1656	Radio Pyongyang	3560.0va	6520.0va	9600.0va	9975.0va	
1600-1700	a Good News World Radio	15105.0af				
1600-1700	KSDA Guam	9355.0as				
1600-1700	Overcomer Ministries	5850.0eu				
1600-1700	Radio Algiers	11715.0va				
1600-1700	Radio Ethiopia	5990.0af			9560.0af	
1600-1700	Radio France Int'l					17605.0af 17850.0af
1600-1700	Radio Korea	5975.0om	9515.0af	9870.0af		
1600-1700	Sri Lanka B'casting Corp.					
1600-1700	VOA	6035.0af		7125.0as		9700.0me 9760.0as
					15255.0va	15410.0af
1600-1700	VOA Special English			17895.0af		
1600-1700	Voice of Russia	9730.0eu				12055.0me 15515.0af
1600-1700	WYFR Okeechobee FL		15600.0na	a 17750.0na	18980.0eu	21455.0eu 21525.0af
1600-1730	TWR Swaziland	9500.0af				
1600-1800	African Beacon	6145.0af				
1600-1800	KHBN Palau	9955.0as	9965.0as	5		
1600-1800	KWHR Naalehu HI	9930.0as				

1600-1800		WSHB Cypress Creek SC	18910.0af		
1600-2100		Radio Rwanda	6055.0do		
1600-2100		Voice of Hope, Lebanon	6280.0me	11530.0va	
1600-2100	smtwhf	WMLK Bethel PA	9465.0eu		
1600-2200		WEWN Birmingham AL	11875.0na	13615.0na 15745.0eu	
1600-2305		Radio Nigeria, Lagos	3326.0do	4990.0do	
1600-2400		WINB Red Lion PA	13570.0eu		
1615-1630		BBC World Service	3915.0as	5975.0as 6190.0af 6195.0as 7160.0as 9515.0na	
			9740.0as	11940.0af 12095.0eu 15310.0as 15400.0af 15485.0eu	
				17700.0as 17830.0af 17840.0am 21470.0af 21660.0af	
1615-1630	s a	BBC World Service		15420.0af 21490.0af	
1615-1630		Vatican Radio	4005.0eu	5883.0eu 7250.0eu 9645.0eu 15595.0eu	
1625-1640		TWR Monte Carlo	6145.0me		
1630-1657		Radio Canada Int'l	6140.0as	7150.0as	
1630-1657		Voice of Vietnam	7145.0eu	9730.0eu	
1630-1700		BBC English Teaching	5875.0eu	9535.0eu 9915.0eu 11985.0eu 13650.0eu	
1630-1700		BBC World Service	3915.0as	5975.0as 6190.0af 6195.0as 7160.0as 9515.0na	
			9740.0as	11940.0af 12095.0eu 15310.0as 15400.0af 15420.0af 15575.0eu 17700.0as 17830.0af 17840.0am21470.0af	
			21660.0af	15575.0eu 17700.0as 17830.0af 17840.0am21470.0af	
1630-1700	s 3	BBC World Service	11860.0af	21490.0af	
1630-1700		FEBA Seychelles	11605.0as	21470.001	
1630-1700	2	ORF Vienna	6155.0eu	13730.0va 15240.0me 17765.0as	
1630-1700		Radio Slovakia Int'l	5920.0eu	6055.0eu 7345.0eu	
1630-1730	mtwhf	Merlin Network One	12065.0as	0000.000 7940.000	
1630-1830		Radio Cairo	15255.0af		
1630-2200		Zimbabwe BC Corp.	4828.0do	6045.0do	
1645-1900		Deutsche Welle	6140.0eu		
1650-1850	mtwhf		6145.0va		
1700-1727		Radio Prague Int'l	5930.0eu	21745.0af	
1700-1730		BBC World Service	3255.0af	3915.0as 5975.0as 6005.0af 6190.0af 7160.0as	
			9510.0as	9630.0af 9740.0as 12095.0eu 15400.0af 15420.0af	
				15575.0me 17830.0af 17840.0na	
1700-1730		Channel Africa, S. Africa	17860.0af		
1700-1730		Georgian Radio, Tbilisi	11910.0eu		
1700-1730		Radio France Int'l	15210.0af	17605.0af	
1700-1730		VOA	6160.0as	7125.0as 7170.0as 9645.0as 9700.0me 9760.0af	
				15410.0af 15445.0af 17895.0af	
1700-1730	mtwhf		5990.0as	6045.0as 7150.0as 9550.0as 9770.0as	
1700-1730		Voice of Azerbaijan	9165.0eu		
1700-1755		Radio Polonia, Warsaw	6000.0eu	7285.0eu	
1700-1756		China Radio Int'l Radio Romanio Int'l	9570.0af	9670.0af 9675.0af 11910.0af 13700.0af	
1700-1756	-	Radio Romania Int'l Good News World Radio		15390.0eu 17735.0eu 17805.0eu	
1700-1800	d		11795.0me	0000.04. 0505.04	
1700-1800 1700-1800		R. Omdurman, Sudan Radio Australia	7200.0do	9200.0do 9505.0do	
1700-1800		Radio Japan	5995.0as 9505.0na	9475.0as 9580.0va 9815.0pa 11880.0va 12000.0eu 15355.0af	
1700-1800		Voice of Russia	9710.0eu	9775.0eu 9890.0eu 11510.0af 11675.0eu 12015.0af	
1,00 1000		Force of Rassia	12055.0me	7775.0eu 7670.0eu 11510.0ai 11675.0eu 12015.0ai	
1700-1800	sm wha	Voice of Russia	9820.0eu		
1700-1800		WYFR Okeechobee FL	18980.0eu	21455.0eu	
1700-2000		WHRI Noblesville IN	9495.0sa	13760.0na	
1700-2200		Italian Radio Relay Svc	3980.0al	3985.0va	
1700-2300		Radio Africa, Eq. Guinea	5003.7af	7190.0af 15185.0af	
1700-2300		Sri Lanka B'casting Corp.			
1700-2400		Ghana Broadcasting Corp.		4915.0do	
1700-2400		NBC Windhoek, Namibia	3270.1af	3289.9af	
1730-1745		BBC English Teaching	3390.0af	6070.0af 9520.0af	
1730-1745	m w	BBC English Teaching	6050.0eu	11955.0eu 15585.0eu	
1730-1745		BBC World Service	3255.0af	3915.0as 5975.0as 6005.0af 6190.0af 7160.0as	
			9510.0as	9630.0af 9740.0as 12095.0eu 15400.0af 15420.0af	
1730-1745	c .	BBC World Service	15485.0eu 9750.0as	15575.0me 17830.0af 17840.0na 12045.0as 15310.0as	
1730-1745	⇒ mtwhf	TWR Swaziland	3200.0af	10073.003 13310.0d5	
1730-1745	in contra	Voice of Africa, Libya		15415.0af 15435.0va	
1730-1756		R. Vlaanderen Int'l	5910.0eu	9925.0eu 13710.0eu 17735.0af	
1730-1800		AWR Africa, Meyerton	12130.0af	··=	
1730-1800	s a	Georgian Radio, Thilisi	6080.0eu		
1730-1800		KSDA Guam	11560.0as	11965.0as	
	mtwhf	Merlin Network One	12065.0as		
		Radio Sweden	6065.0eu		
1730-1800		Radio Sweden	13800.0eu		
1730-1800		Vatican Radio	13765.0af	15570.0af 17515.0af	
1730-1800		VOA	6160.0as	7125.0as 7170.0as 9645.0as 9700.0me 9760.0af	
				15410.0af 15445.0af 17895.0af	
1730-1800			5990.0as	6045.0as 7150.0as 9550.0as 9770.0as	
1730-1830		Radio Netherlands	6020.0af	7120.0af 11655.0af	
1730-1930		Radio Pilipinas, Manila		15190.0pa 17720.0pa	
1735-1745	th	R. Nacional Paraguay	9737.5sa		
1745-1800		BBC English Teaching	6065.0as	9605.0as	
1745-1800		BBC World Service	3255.0af 9740.0as	3915.0as 5975.0as 6190.0af 7160.0as 9510.0as	
			17830.0as	12095.0eu 15400.0af 15420.0af 15485.0eu 15575.0me 17840.0na	2
1745-1800		BBB 11. 11.6			
1142-1000	S	BBC World Service	9750.0as	12045.0as 15310.0as	
1745-1800	s	Radio Bangladesh	9750.0as 7184.0eu	12045.0as 15310.0as 7462.6eu 9558.0eu 15520.0eu	

1745-1945		All India Radio, Delhi	7410.0eu	9950.0eu	11620.0eu	11935.0af	13750.0af	15075.0at
			15200.0af					
1745-2015		TWR Swaziland	3200.0af					
1800-1827		Voice of Vietnam	7145.0eu	7440.0eu	9730.0eu	12070.0eu		
1800-1830		AWR Africa, Meyerton	5960.0af	6100.0af				
1800-1830		BBC World Service	3255.0af	5975.0as	6190.0af		9510.0as	9740.0pa
		PRO Minute Commission		15400.0at	15420.0af	15575.0as	17830.0af	
1800-1830	a	BBC World Service	17840.0na 17870.0af					
1800-1830		Channel Africa, S. Africa						
1800-1830	mtwhf	Merlin Network One	12065.0as					
1800-1830		Radio Telefis Eireann	15315.0me					
1800-1830	s	Universal Life, Germany	11840.0af		0-100-1		11075.0.5	10410.0-6
1800-1830		VOA	6035.0af	7415.0af	9760.0af	9770.0me	119/5.0ar	15410.0ar
		Austa Dadia Langua CAL	15580.0af	17895.041				
1800-1900	m	Amtr Radio League, SAf KHBN Palau	3215.0af					
1800-1900			9965.0as					
1800-1900		KJES Vado NM Merlin Network One	15385.0au					
1800-1900	hf	Radio Taipei Int'i	6130.0af 3955.0eu					
1800-1900	-		15345.0eu					
1800-1900	mtwhf	RAE Buenos Aires Republic of Yemen Radio						
1800-1900		Voice of Greece	9780.0me 9420.0eu	15420 0of	17705.0na			
1800-1900	>	Voice of Russia	7330.0eu		9720.0eu	9775.0eu	0820 000	9890.0eu
1800-1900		VOICE OF RUSSIA			11695.0af		7020.0Cu	9090.0cu
1800-2000		Radio Australia	6080.0pa		9475.0as	9580.0va	9815.004	11880.0va
1800-2000		WYFR Okeechobee FL	18980.0eu	0.0pa				
1800-2100		Radio Kuwait	11990.0va					
1800-2200		African Beacon	9675.0af					
1800-2200		Radio Botswana	3356.0do	4820.0do				
1800-2200		WSHB Cypress Creek SC	15665.0eu					
1800-2400		KWHR Naalehu HI	17510.0as					
1800-2400		Radio Liberia Int'l	5100.0do					
1805-1810		Croatian Radio, Zagreb	13830.0eu					
1830-1845		Radio Tirana, Albania	7180.0eu	9510.0eu				
1830-1900		BBC World Service	3255.0af	6005.0af		9410.0eu	9630.0af	9740.0pa
					15420.0af		17830.0af	
1830-1900	a	BBC World Service	17840.0na					
1830-1900		Georgian Radio, Tbilisi	11760.0eu					
1830-1900		ORF Vienna	13730.0af					
1830-1900		Radio Slovakia Int'l	5920.0eu	6055.0eu				
1830-1900		Radio Telefis Eireann		21630.0af				
1830-1900		Radio Yugoslavia	6100.0eu					
1830-1900		VOA	6035.0af	7415.0af		9770.0me	11975.0at	15410.0at
				17895.0af				
1830-1900	5 4	VOA Voice of Turkey	7170.0af 9785.0eu	11765.0uf	15525.0af			
1830-1930		Radio Netherlands	6020.0af			11655.0af	13700 026	17605 0af
1830-2030		Raulo Netherlands	21590.0af	/120.001	7075.041	11055.04	19700.00	17005.04
1830-2400		Radio Kiribati	9809.9do	9825.0do	,			
1850-1855	mtwhf	Radio New Zealand Int'l	11725.0pa					
1855-1950		Radio New Zealand Int'l	11725.0pa					
1900-1915		BBC English Teaching		17885.0af				
1900-1925		Kol Israel	11605.0va	15640.0af	15650.0va	17535.0va		
1900-1927		Voice of Vietnam	7145.0eu	9730.0eu	1			
1900-1930		Radio Budapest	6025.0eu	9750.0eu				
1900-1930		Swiss Radio Int'l	6110.0eu					
1900-1930		VOA	7260.0me	9525.0pa		9770.0af		15180.0pa
1900-1930	s a	VOA	6035.0af	7375.0af	7415.0af	11975.0af	15410.0af	15445.0af
		Vat	15580.0af	0040.0	11700.0	11070 0-	10010 0	19795 0
1900-1930	mtwhf	VUA	9565.0eu 15235.0as	9840.0as	11/80.0m	e 11970.0as	12015.0as	13725.0me
1000 1020		VOA	4950.0af					
1900-1930 1900-1930		WRMI Miami FL	4950.0an 9955.0am					
1900-1930	•	Deutsche Welle		11810.0=4	13720.0=	15390.0af	17810 0af	
1900-1945		China Radio Int'l	9440.0af		11750.0af		1. 010.0di	
1900-1956		Radio Pyongyang	4405.0va	6574.9na		11710.0na	13760 103	
1900-2000		BBC World Service	3255.0af			6195.0eu	9410.0eu	
2700 2000			9740.0pa			15575.0me		
1900-2000		BBC World Service	17840.0na					
1900-2000		Merlin Network One	6010.0eu					
1900-2000		Radio Bulgaria	7535.0eu	9400.0eu	11700.0eu	L		
1900-2000		Radio Korea	5975.0om	7275.0eu				
1900-2000		Radio Thailand	7195.0eu	9655.0eu	11905.0et	1		
1900-2000		Sri Lanka B'casting Corp.						
	smtwh a	V. of the Mediterranean	12060.0eu					
1900-2000		VOA Special English	6160.0me		e 13690.0m			10070 0
1900-2000		Voice of Russia	9710.0eu	9775.0et	1 9820.0eL	9890.0eu	116/5.0eu	12070.0eu
1900-2100		SIBC Solomon Islands	5020.0do 7255.0af	16100 0-4				
1900-2100		Voice of Nigeria		15120.0af				
1900-2200		HCJB Quito Ecuador SEBS Sierra Leone	17660.0eu 3316.0do					
1900-2400		SLBS, Sierra Leone Radio Finland	6110.0eu					
1930-1945 1930-1956		R. Vlaanderen Int'l	5960.0eu					
1930-2000		Radio Minsk, Belarus	7210.0as	11960.0et				
1930-2000		Radio Polonia, Warsaw	6035.0eu			9525.0eu		
1930-2000		Radio Sweden	6065 0eu					

1930-2000		VOA	4950.0af	6035.0af		7375.0af		9525.0pa
			9760.0af		11975.0af	12040.0pa	15180.0pa	15410.0af
			154 4 5.0af					
1930-2000	mtwhf	VUA	9565.0eu	9840.0as	11780.0me	11970.0as	12015.0as	13725.0me
		WOMT Min-1 EL	15235.0as					
1930-2000	s a	WRMI Miami FL	9955.0am	0676 000	11670 000			
1930-2030		VOIRI Teheran	9022.1eu		11670.0eu	2245 Odo	2265 0do	3745 0do
1930-2200		Nat'l BC, Papua NG	3245.0do 4890.0do	5275.000	3290.0do	5545.000	2000.000	3365.0do
1935-1955		RAI, Rome	5970.0eu	7290.0eu	9750.0eu			
1940-1950	m	Vatican Radio	9660.0eu	7270.000	7730.000			
1950-2000		Vatican Radio	4005.0eu	5883 Oeu	7250.0eu	9645.0eu		
1950-2000	m	Vatican Radio	9660.0eu					
1950-2400		Radio New Zealand Int'l	17675.0pa					
1955-2000	mtwhfa	Voice of Armenia, Yerevan		9965.0eu				
2000-2010		Vatican Radio	4005.0eu	5883.0eu	7250.0eu	9645.0eu	9660.0af	11625.0af
2000 2020			13765.0af					
2000-2015	mtwhfa	Voice of Armenia, Yerevan		9965.0eu				
2000-2025		Radio Polonia, Warsaw	6035.0eu	7185.0eu	7265.0eu	9525.0eu		
2000-2027		Radio Prague Int'l	5930.0eu	11600.0as				
2000-2030		Swiss Radio Int'l	13710.0af	13770.0af	15220.0af	17580.0af		
2000-2030		VOA	4950.0af	6035.0af	6095.0me	7375.0af	7415.0af	9760.0af
			9770.0af	11855.0af	11975.0af	15410.0af	15445.0af	15580.0af
		and the second se	17725.0af	17745.0af				
2000-2030		Voice of Mongolia		12085.0eu				
2000-2045		BBC World Service	3255.0af		6005.0af			9410.0eu
		Deuteebe Mett-	9630.0af	97 4 0.0pa	11835.0eu	12095.0eu	15400.0af	17830.0af
2000-2045		Deutsche Welle	7130.0eu	11705 0.4	10/40 0.4	15110 0-	17700 0	
2000-2056		China Radio Int'l	9440.0af	11735.0af	13640.0af	15110.0eu	11140.0en	
2000-2100		KJES Vado NM	15385.0au	7045 0				
2000-2100		R. Nacional de Angola	3374.9va	7245.0va				
2000-2100		Radio Algiers		15160.0eu	0015 0	11000 0	10000 0	
2000-2100		Radio Australia	9500.0as	9580.0va			12080.0va	
2000-2100		Radio Canada Int'l	5995.0va			13670.0va	15325.0va	15470.0va
2000 2100	an ha she f	Dadia Extenios da Espana		17870.0va				
2000-2100	mtwhf		9595.0af	15285.0eu	11787.0ir			
2000-2100 2000-2100		Radio Iraq Int'l Voice of Hope, Lebanon	7157.0ir					
		Voice of Indonesia		11530.0va				
2000-2100 2000-2100		Voice of Russia	9525.0va		15149.8va	11675 000	15405 Ocu	
2000-2100	-	WRMI Miami FL	9775.0eu 9955.0am	9820.0eu	9890.0eu	116/5.000	15485.0eu	
		WRMI Miami FL						
2000-2100 2000-2100	a	WYFR Okeechobee FL	7385.0na	18980.0eu				
2000-2200		Radio Damascus		13610.0eu				
2000-2200		Radio Vanuatu	3945.0do		7260.0do			
2000-2400		WBCQ Monticello ME	7415.0na	4960.000	7260.000			
2000-2400		WHRI Noblesville IN	5745.0sa	9495.0sa				
2000-2400		ZLXA New Zealand	3935.0do	7290.0do				
2005-2010		Croatian Radio, Zagreb	9430.0al	11805.0af				
2010-2030		Vatican Radio	9660.0af		13765.0af			
2025-2045		RAI, Rome	7125.0af		11880.0af			
2030-2045		Radio Thailand	9655.0eu		11905.0eu			
2030-2045		Voice of Africa, Libya			15435.0va			
2030-2055		Radio Moldova Int'l	7520.0eu					
2030-2057		Voice of Vietnam	7145.0eu	9730.0eu				
2030-2100		AWR Africa, Meyerton	9745.0af					
2030-2100		AWR Europe, Germany	15560.0af					
2030-2100		BBC English Teaching	5875.0eu	6050.0eu	9635.0eu			
2030-2100	th	Radio Minsk, Belarus	7210.0af	11960.0af				
2030-2100		Radio Tashkent	9540.0eu	9545.0eu				
2030-2100		VOA	6035.0af		7375.0af	7415.0af	9760.0af	9770.0af
					15445.0af		17725.0af	
2030-2100	s a	VOA	4950.0af					
2030-2100	f	Wales Radio Int'l	7325.0eu					
2030-2115		Radio Cairo	15375.0af					
2030-2130		Radio Havana Cuba	13660.0uf	13750.0eu				
2030-2130		Voice of Turkey	9525.0as					
2045-2100		BBC World Service	3255.0af		6005.0af			9410.0eu
			9630.0af				15400.0af	
2045-2230		All India Radio, Delhi	7150.0au		9650.0eu			11715.0au
2100-2115		BBC World Service	3255.0af		5965.0as			6190.0af
			6195.0va		9740.0pa	11835.0af	11945.0as	12095.0sa
2100-2115	ntubf	BBC World Service	15400.0af 11675.0ca					
2100-2115		China Radio Int'l		13640 0-5	15110 000	17700 000		
2100-2130		Radio Australia	7240.0pa		15110.0eu 9580.0va		11880.0va	12080 0
2100-2130		navio Australia		21740.0va		7000.0pa		
2100-2130		Radio Budapest	6025.0eu	_11 +0.0Vd				
2100-2130		Radio Korea	3970.0eu	6480 0eu	15575.0eu			
2100-2130		Radio Yugoslavia	6100.0eu	0.00.000	200,0.000			
2100-2130		VOA	6035.0af	6040 0m	6095.0me	7375 0af	7415 0af	9535.0af
1200 1100							15185.0as	
			15445.0af	15580.0af	17725.0af	17740.0as	17820.0as	
2100-2145		Deutsche Weile	9670.0as				11915.0as	15135.0va
2100-2145		WYFR Okeechobee FL		17845.0af	18980.0eu			
2100-2156		Radio Pyongyang	6574.9	9335.2				

2100-2156		Radio Romania Int'l	11740.0eu	11940.0eu	15105.0eu	15180.0eu		
2100-2200		KHBN Palau	9985.0as					
2100-2200		Radio Bulgaria	9400.0eu	11700.0eu				
2100-2200		Radio Canada Int'l	7235.0va		13650 Ova	13670 049	15325.0va 1782	0 042
2100-2200		Raulo Canada Int I	17870.0va	11090.004	19050.0va	19070.004	15525.0Va 1762	cv.0va
2100 2200		Badio Extenios do Fenano		0040 000				
2100-2200	5 d	Radio Exterior de Espana	9595.0af	9840.0eu				
2100-2200		Radio Japan	6035.0pa			11855.0af	17825.0na 2167	70.0pa
2100-2200		Radio Ukraine Int'l	5905.0eu	6020.0eu	9640.0eu	11950.0eu		
2100-2230		SIBC Solomon Islands	5020.0do	9545.0do				
2100-2245	s	WRMI Miami FL	9955.0am					
2100-2245	а	WRMI Miami FL	7385.0na					
2100-2400		Global Sound Kitchen	3955.0eu	6140.0eu	7325 Oeu			
2100-2400		WBCQ Monticello ME	9330.0na	01.0.000	1323.000			
	mtwhf	BBC Caribbean Report	5975.0ca	11476 002	15200.000			
2115-2130	m Lwn I			11675.0ca				
2115-2130		BBC World Service	3255.0af	3915.0as	5965.0as	5975.0pa	6005.0af 619	
			6195.0va	9410.0eu	9740.0pa	11835.0af	11945.0as 1209	95.0sa
			15400.0af					
2115-2130	s a	BBC World Service	5975.0ca					
2115-2200		Radio Cairo	9990.0eu	15375.0af				
2130-2145	t f	BBC Calling Falklands	11680.0sa					
2130-2156		China Radio Int'l	15110.0eu	17790,0eu				
2130-2157		Radio Prague Int'l	11600.0as	15545.0af				
2130-2200		BBC World Service	3255.0af	3915.0as	5965.0as	5975.0va	6005.0af 619	90.0af
			6195.0va	9410.0eu		11835.0af	11945.0as 1209	
			15400.0af					
2130-2200		KSDA Guam		15550.0as				
2130-2200		ORF Vienna	5945.0eu	6155.0eu	13730 0af			
2130-2200		Radio Australia	7240.0pa			12080 000	17715.0pa 2174	0.000
		Radio Budapest		7000.0pa	1000.0Va	********	1/113.0pa 21/4	-0.0Va
2130-2200			3975.0eu					
2130-2200		Radio Korea	15575.0eu					
2130-2200		Radio Sweden	6065.0eu	9435.0eu	15255.0as			
2130-2200		Radio Tashkent	9540.0eu	9545.0eu				
2130-2200		Radio Tirana, Albania	7130.0eu	9540.0eu				
2130-2200		VOA	6040.0me	6095.0me	9535.0af	9705.0as	9760.0eu 1187	70.0pa
			15185.0as	17740.0as	17820.0as			
2130-2200	smtwhf	VOA	6035.0af	7375.0af	7415.0af	11975.0af	15410.0af 1544	45.0af
			15580.0af	17725.0af				
2130-2225		VOIRI Teheran		13745.0as				
2130-2400		ABC Alice Springs	4835.0do					
2130-2400		ABC Katherine	5025.0do					
2130-2400		ABC Tennant Creek	4910.0do					
				17045 0.4				
2145-2200		WYFR Okeechobee FL		17845.0af				
2200-2215	sm w f	Reformed Faith and Life	11705.0af					
2200-2225		RAI, Rome	9675.0as	11900.0as				
2200-2230			5965.0as		4175 Dog		7110.0as 959	20.000
2200 2250		BBC World Service		5975.0na				
			9660.0as				12095.0sa 1540	
2200-2230		Radio Canada Int'l		11835.0af	11955.0as	12080.0pa		00.0af
			9660.0as	11835.0af	11955.0as	12080.0pa	12095.0sa 1540	00.0af
2200-2230 2200-2230	smtwhf	Radio Canada Int'l Radio Mexico Int'l	9660.0as 5960.0am 5985.0am	11835.0af 9755.0am	11955.0as	12080.0pa	12095.0sa 1540	00.0af
2200-2230 2200-2230 2200-2230	smtwhf	Radio Canada Int'l	9660.0as 5960.0am 5985.0am 7230.0au	11835.0af 9755.0am 9705.0am	11955.0as 13670.0am	12080.0pa 15305.0am	12095.0sa 1540 17695.0am178:	00.0af 35.0as
2200-2230 2200-2230	smtwhf	Radio Canada Int'l Radio Mexico Int'l Radio Yugoslavia	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as	11835.0af 9755.0am 9705.0am 9705.0as	11955.0as 13670.0am 9770.0as	12080.0pa	12095.0sa 1540	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230		Radio Canada Int'l Radio Mexico Int'l Radio Yugoslavia VOA	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as	11955.0as 13670.0am 9770.0as 17820.0as	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230	smtwhf mtwhf	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as	11955.0as 13670.0am 9770.0as	12080.0pa 15305.0am	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230 2200-2230 2200-2245		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Calro	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2256		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Calro WYFR Okeechobee FL China Radio Int'i	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2256 2200-2300		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa	11835.0af 9755.0am 9705.0as 9705.0as 17740.0as 7340.0af 15120.0af	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2256 2200-2300 2200-2300		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WVFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2256 2200-2300 2200-2300		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2256 2200-2300 2200-2300 2200-2300		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey	9660.0as 5960.0am 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2256 2200-2300 2200-2300 2200-2300 2200-2300		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7380.0eu 7580.0af	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2256 2200-2300 2200-2300 2200-2300		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon	9660.0as 5960.0am 7230.0au 7230.0au 7230.0au 715.0as 6035.0af 9990.0eu 7295.0sa 11740.0na 9880.0eu 7295.0sa 117565.0eu 7190.0eu 7580.0af 6090.0am	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7580.0af 6090.0am	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2256 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Calro WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia	9660.0as 5960.0am 7230.0au 7230.0au 7230.0au 715.0as 6035.0af 9990.0eu 7295.0sa 11740.0na 9880.0eu 7295.0sa 117565.0eu 7190.0eu 7580.0af 6090.0am	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7580.0af 6090.0am	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Calro WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia	9660.0as 5960.0am 7230.0au 7230.0au 75305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7580.0af 6090.0am 9955.0as 7295.0do	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4do	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL	9660.0as 5965.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7380.0af 6090.0am 9955.0da 3289.8do 9385.0na	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4do	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2235 2200-2245 2200-2245 2200-2245 2200-225 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana	9660.0as 5960.0am 7230.0au 7230.0au 7230.0au 75305.0as 6035.0af 9990.0eu 7295.0sa 7295.0sa 77715.0pa 13565.0eu 7580.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 15600.0eu 13660.0eu 13660.0eu	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA	9660.0as 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7580.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0va 13770.0eu	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4do 9975.0eu 6890.0uf	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na	12080.0pa 115305.0am 11760.0as 7415.0af	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Radio Tarkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cyrress Creek SC WWCR Nashville TN	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7395.0da 3289.8do 9385.0na 5085.0na	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4do 9975.0eu 6890.0uf	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na	12080.0pa 15305.0am 11760.0as	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2235 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSMB Cypress Creek SC WWCR Nashville TN	9660.0as 5960.0am 7230.0au 7230.0au 7230.0au 7230.0as 6035.0af 9990.0eu 7295.0as 7295.0as 7295.0as 7295.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5070.0na	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na	12080.0pa 115305.0am 11760.0as 7415.0af	12095.0sa 1540 17695.0am178 15185.0as 1529	00.0af 35.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Vlaanderen Int'i Radio Prague Int'i	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7395.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5070.0na	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4do 9975.0eu 6890.0uf 15285.0sa 7435.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na	12080.0pa 115305.0am 11760.0as 7415.0af	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af	00.0af 35.0as 90.0as
2200-2230 2200-2230 2200-2230 2200-2235 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSMB Cypress Creek SC WWCR Nashville TN	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 11765.0eu 7295.0sa 11565.0eu 7580.0af 6090.0am 9955.0as 7295.0do 3289.8do 3289.8do 3289.8do 3285.0va 13770.0eu 1500.0na 1565.0na 11600.0na	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 15545.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 955	00.0af 35.0as 90.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Radio Faipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R, Vlaanderen Int'i BBC World Service	9660.0as 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5070.0na 15565.0na	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 5975.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 11955.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af	00.0af 35.0as 90.0as
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Vlaanderen Int'i Radio Prague Int'i	9660.0as 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5070.0na 15565.0na	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 15545.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 11955.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 955	00.0af 35.0as 90.0as
2200-2230 2200-2230 2200-2230 2200-2235 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2257		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSCR Mashville TN R. Vlaanderen Int'i Radio Prague Int'i BBC World Service Radio Canada Int'i	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 11765.0eu 7190.0eu 7295.0as 7295.0do 3289.8do 9385.0na 5085.0va 13770.0eu 15565.0na 11560.0na	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 15545.0na 5975.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13955.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400		Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Radio Faipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R, Vlaanderen Int'i BBC World Service	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7395.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5070.0na 1565.0as 1570.0aa 5966.0as	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 17795.0va 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 15545.0na 5975.0na 11855.0af	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 955	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2235 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2200 2200-2400 2200-2400 2200-2200 2200-2200 2200-2200 2200-2400 2200-2200	mtwhf	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Radio Australia Radio Tarkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Turkey WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Vlaanderen Int'i BBC World Service Radio Canada Int'i VOA	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7580.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5765.0as 9660.0as 5965.0as 9660.0as	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 15545.0na 5975.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2235 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2257	mtwhf	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Viaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7395.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5070.0na 1565.0as 1570.0aa 5966.0as	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 15502.0au 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 155285.0na 15535.0na 11835.0af 9755.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2235 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2200 2200-2400 2200-2400 2200-2200 2200-2200 2200-2200 2200-2400 2200-2200	mtwhf	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Vlaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7580.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5765.0as 9660.0as 5965.0as 9660.0as	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 17795.0va 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 15545.0na 5975.0na 11855.0af	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2256 2200-2250 2200-22300 2200-22300	mtwhf	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Viaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba	9660.0as 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 13770.0eu 5075.0as 5965.0as 5965.0as 5965.0as	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 15502.0au 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 155285.0na 15535.0na 11835.0af 9755.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400	mtwhf	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Vlaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7390.0eu 7395.0do 3289.8do 9385.0na 5085.0va 1570.0eu 5070.0na 1565.0as 1565.0as 9660.0as 5960.0as 5960.0as	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 15502.0au 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 155285.0na 15535.0na 11835.0af 9755.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2230-2300 2230-2300	mtwhf s a	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia RTM Radio 4, Malaysia Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Vlaanderen Int'i Radio Prague Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG SIBC Solomon Islands	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7580.0af 6090.0am 9955.0as 7295.0do 3289.8do 9285.0va 13770.0eu 1570.0ma 15565.0na 5965.0as 9660.0as 5960.0na 7215.0as 15305.0as 9550.0am 9675.0do	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 15502.0au 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 155285.0na 15535.0na 11835.0af 9755.0na	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2230-2300 2230-2300 2230-2300	mtwhf s a	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Viaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG SIBC Solomon Islands SIBC Solomon Islands	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va 15305.0as 9660.0as 5960.0na 7215.0as 15305.0as 9550.0am 9675.0do 5920.0do	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 5975.0na 15285.0sa 7435.0na 5975.0na 11835.0af 9755.0na 11836.0do	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2230-2300 2230-2300 2230-2300	mtwhf s a smtwhf	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Furkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Vlaanderen Int'i Radio Prague Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG SIBC Solomon Islands SIBC Solomon Islands Vatican Radio WRMI Miami FL	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 3289.8do 3289.8do 3289.8do 3285.0va 13770.0eu 1570.0ma 15565.0na 5965.0as 9660.0as 5965.0am 9675.0do 9545.0da	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 17795.0va 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 5975.0na 15285.0sa 7435.0na 5975.0na 11835.0af 9755.0na 11836.0do	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2400 2230-2300 2230-2300 2230-2400 2230-2300	mtwhf s a smtwhf	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Vlaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG SIBC Solomon Islands Vattoan Radio WRMI Miami FL WRMI Miami FL	9660.0as 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 15565.0as 13770.0eu 5070.0na 15565.0as 1350.0as 5960.0na 7215.0as 15305.0as 9550.0am 9675.0do 5020.0do 9545.0do 9545.0do	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 1550.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 15545.0na 5975.0na 9755.0na 11835.0af 9755.0na 11830.0as	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 95 12095.0sa 1544	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2235 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300	mtwhf s a smtwhf a	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Faipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WGHN Caysville GA WGHN Birmingham AL WGTG McCaysville GA WGHN Spress Creek SC WWCR Nashville TN R. Viaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG SIBC Solomon Islands SIBC Solomon Islands SIBC Solomon Islands WATCAN Miami FL WYFR Okeechobee FL	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va 15305.0as 9655.0as 9660.0as 9550.0am 7215.0as 15305.0as 9550.0am 7215.0do 5020.0do 9545.0do	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 17795.0va 15640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 115545.0na 5975.0na 11835.0af 11880.0do	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 11955.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa 11760.0as	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 955 12095.0sa 1544 15185.0as 1524	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2256 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2400 2230-2400 2230-2400 2230-2400 2230-2400 2230-2400 2230-2300	mtwhf s a smtwhf a	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Taipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WSHB Cypress Creek SC WWCR Nashville TN R. Viaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG SIBC Solomon Islands Vattcan Radio WRMI Miami FL WYFR Okeechobee FL All India Radio, Delhi	9660.0as 5985.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7190.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va 13770.0eu 5070.0ma 15565.0na 11600.0na 59660.0as 5960.0as 5960.0as 5960.0as 5950.0am 97215.0as 15305.0as 9550.0am 9755.0do 9245.0do 9245.0do 9245.0do 9245.0do 9245.0do 9245.0do 9245.0do	11835.0af 9755.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 15120.0af 15600.0eu 13640.0va 9965.0as 5949.4d0 9975.0eu 15285.0sa 7435.0na 15285.0sa 7435.0na 11835.0af 9705.0as 11880.0do	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 11955.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 955 12095.0sa 1544 15185.0as 1524	00.0af 35.0as 90.0as 90.0na 00.0af
2200-2230 2200-2230 2200-2230 2200-2230 2200-2245 2200-2245 2200-2245 2200-2300 2200-2300 2200-2300 2200-2300 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2200-2400 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300 2230-2300	mtwhf s a smtwhf a	Radio Canada Int'i Radio Mexico Int'i Radio Yugoslavia VOA VOA Radio Cairo WYFR Okeechobee FL China Radio Int'i Overcomer Ministries Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Australia Radio Faipei Int'i Voice of Turkey WHRA Greenbush ME Caribbean Beacon KHBN Palau RTM Radio 4, Malaysia Voice of Guyana WEWN Birmingham AL WGTG McCaysville GA WGHN Caysville GA WGHN Birmingham AL WGTG McCaysville GA WGHN Spress Creek SC WWCR Nashville TN R. Viaanderen Int'i BBC World Service Radio Canada Int'i VOA Radio Havana Cuba Nat'i BC, Papua NG SIBC Solomon Islands SIBC Solomon Islands SIBC Solomon Islands WATCAN Miami FL WYFR Okeechobee FL	9660.0as 5960.0am 7230.0au 7215.0as 15305.0as 6035.0af 9990.0eu 11740.0na 9880.0eu 7295.0sa 17715.0pa 11565.0eu 7380.0af 6090.0am 9955.0as 7295.0do 3289.8do 9385.0na 5085.0va 15305.0as 9655.0as 9660.0as 9550.0am 7215.0as 15305.0as 9550.0am 7215.0do 5020.0do 9545.0do	11835.0af 9755.0am 9705.0am 9705.0as 17740.0as 7340.0af 15120.0af 15120.0af 17795.0va 15640.0va 9965.0as 5949.4d0 9975.0eu 6890.0uf 15285.0sa 7435.0na 115545.0na 5975.0na 11835.0af 11880.0do	11955.0as 13670.0am 9770.0as 17820.0as 7375.0af 17845.0af 21740.0va 9985.0as 13615.0na 9475.0na 6175.0na 11955.0na 13670.0na 9770.0as	12080.0pa 115305.0am 11760.0as 7415.0af 13845.0na 6195.0va 12080.0pa 11760.0as	12095.0sa 1544 17695.0am1783 15185.0as 1524 11975.0af 7110.0as 955 12095.0sa 1544 15185.0as 1524	00.0af 35.0as 90.0as 90.0na 00.0af

2300-2330		Canada Int'l	5960.0am			n13670.0am	15305.0an	117695.0am
2300-2330		Mexico Int'l	5985.0am	9705.0am				
2300-2330		Special English	7190.0as				11925.0as	
2300-2345		che Welle	9815.0as		13610.0as			
2300-2356		Romania Int'l	9690.0eu	11775.0na	11830.0eu	15105.0na		
2300-2400	BBC	World Service	3915.0as			6035.0as		6195.0as
			7110.0as				12095.0sa	
2300-2400		Australia	9660.0pa			17795.0va	21740.0va	
2300-2400		Bulgaria	9400.0na	11700.0na				
2300-2400		Cairo	9900.0am					
2300-2400		Finland		13785.0as	,			
2300-2400		Radio 1, Singapore	6150.0do					
2300-2400		inka B'casting Corp.	4940.0do					
2300-2400	VOA		7215.0as	9705.0as		11760.0as	15185.0as	15290.0as
				17740.0as	17820.0as			
2300-2400		A Greenbush ME	7580.0na					
2300-2400		I Miami FL	9955.0am					
2300-2400		S Macon GA	11915.0eu					
2330-2345		of Africa, Libya		15415.0af	15435.0va			
2330-2357		of Vietnam	7145.0as	12019.5as				
2330-2359		Canada Int'l	5960.0am		13670.0an			
2330-2359		Canada Int'l		15305.0am		1		
2330-2400		Netherlands	6165.0na	9845.0na				
2330-2400	VUAS	Special English	6060.0as		7200.0as		7260.0as	9545.0as
0.46.	ACDT		9795.0as			13735.0as	15205.0as	
24hr- 24hr-	AFRT	S Toronto ON	4278.5uf	6458.5UT	12689.5uf			
24/1r- 24hr-		Calgary AB	6070.0do					
240r- 24hr-		Halifax NS	6030.0do					
240r- 24hr-		Saint John's NL	6130.0do 6160.0do					
24hr-		Vancouver BC	6160.000					
24hr-		rsity Network	5030.1am	4150 Our	7775 000	9725.0na	11070.0	12740.0-5
240r- 24hr-		Upton KY	7490.1va	13594.5as	/3/5.0fid	9725.0na	11870.0	13749.8af
24hr-		Newport NC	9370.7na	13094.005				
24111-	1130	newport no	7570.76d					
Key:								
Days:		Target Areas:		Other	r Notes:			
	Sunday	na - North		va	- Variou	IS		
	Monday	ca - Centra	l America	do	- Domest	ic		
	Tuesday	sa - South	America	om	- Omnidi	rectional		
	Wednesday	am - Americ		•			-	
	Thursday	eu - Europe		ir	- Irregu	ılar		
	Friday	af - Africa			- Occasi			
	Saturday	me - Middle			- Alterr			
-	,	as - Asia				Sideband		
		pa - Pacifi	c			Sideband		
		po reciri	~		opper	- acoano		

FOR SALE: Radio stuff! Radio hobby and related books, station phamphlets and memorabilia, magazines, WRTHs and much more. Send an SASE with two stamps or \$1.00 for the ten-page list. Gerry Dexter, 213 Forest Street, Lake Geneva, WI 53147.

WORLD OF RADIO AND CONTINENT OF MEDIA SHORTWAVE-ONLY SCHEDULE AS OF APRIL 17, 2000

Days and times strictly UT. RFPI activated new 6970 April 16, and new frequency schedule effective April 17 is now shown. We have new times on WBCQ and WWCR.

Wed 1730 COM RFPI 25930-USB 15049 Wed 2330 WOR WBCQ1 7415 [ex-2130 from April 19] Thu 2030 WOR WWCR 15685 Thu 2300 WOR RFPI 25930-USB 15049 Fri 0700 WOR RFPI 6970 Fri 0930 WOR WWCR 7435 Fri 1500 WOR RFPI 25930-USB Fri 1900 COM RFPI 25930-USB 15049 Fri 1930 WOR RFPI 25930-USB 15049 Fri 2030 WOR WBCQ2 9330-CUSB Sat 0300 COM RFPI 25930-USB 15049 6970 Sat 0330 WOR RFPI 25930-USB 15049 6970 Sat 0300 WOR WWCR 3215 Sat 1100 COM RFPI 6970 Sat 1130 WOR RFPI 6970 Sat 1130 WOR WWCR 15685 Sat 1730 COM RFPI 25930-USB 15049 Sat 1800 WOR RFPI 25930-USB 15049 Sun 0130 COM RFPI 25930-USB 15049 Sun 0200 WOR RFPI 25930-USB 15049 Sun 0230 WOR WWCR 5070 Sun 0630 WOR WWCR 5070 Sun 0930 COM RFPI 6970 Sun 1000 WOR RFPI 6970 Sun 2300 WOR RFPI 25930-USB 15049 Mon 0030 WOR WWCR 3215 [NEW April 17, soon shifting to Sun 2330 on 9475] Mon 0501 WOR WWCR 3210 Mon 0700 WOR RFPI 6970 Mon 1500 WOR RFPI 25930-USB Tue 1100 WOR WWCR 15685 Tue 1900 WOR RFPI 25930-USB 15049 Tue 2000 COM RFPI 25930-USB 15049 Wed 0300 WOR RFPI 25930-USB 15049 6970 Wed 0400 COM RFPI 25930-USB 15049 6970 Wed 1200 COM RFPI 25930-USB

For an exhaustive schedule of all our broadcasts and outlets see <u>http://www.angelfire.com/ok/worldofradio/wormast.html</u>

WOR can also be heard at <u>http://www.wrn.org/ondemand</u> COM can also be heard at <u>http://www.DXing.com</u>

Regards, Glenn

Company Store Bill Bergadano KA2EMZ • P.O. Box 484 • Colts Neck, NJ 07722 • ka2emz@cybercomm.net

All s/h charges for the following items are included unless otherwise noted.Please note the new proprietor and address.

Publications	
Transmitter Documentation Project (TDP) A result of 10 years of research by DXer Ludo Maes, the TDP pres pages of info listing SW broadcast tx'ers worldwide by country w tion name, tx'er site, geographical coordinates, callsign and more	ith sta-
Shortwave Listening Guidebook	\$19.95
by Harry Helms. Covers equipment, antennas, propagation, stati	on pro- +2.00 s/h US/CA
files, utilities, clandestines, QSL'ing, etc. 315 pages.	+3.00 s/h world
Limited Space Antenna Solutions	\$13.00
by Frank P. Hughes. Covers the random wire, dipole, vertical, o	putdoor, +1.00 s/h US/CA
loft and indoor antennas, antenna tuners, and grounds.	+2.00 s/h world
Inside Your Shortwave Radio	\$13.95
by Ted Benson. Companion to your receiver's instruction manual	, filling +2.00 s/h US/CA
in what your manual leaves unclear.	+2.50 s/h world
Underground Frequency Guide (New to Company Store!) by Donald W. Schimmel. An in-depth look at illegal radio comm tions; pirate, spies and so much more! Lists hundreds of freque diplomatic radio systems worldwide. A book no pirate or enthuisast should be without!	ncies &
Joe Carr's Receiving Antenna Handbook (Back in stock)	\$ 19.95
A complete guide for high performance antennas from longwave	+ all the +2.00 s/h US/CA
way to the upper end of the shortwave spectrum.	+3.00 s/h world
The Vacumn Tube Era (New to our line!)	\$17.00
Reviews the golden years of vacumn tube receivers, 1932-1981,	. If you +1.00 s/h
feel real radios glow in the dark, this is for you!141 pages.	worldwide
Shortwave Receivers, Past & Present by Fred Osterman. A comprehensive guide to over 770 shortwav teur and commercial communications receivers produced in the years! Over 800 photos. 473 pages.	\$22.95 e, ama- +2.00 s/h US/CA last 55 +3.00 s/h world
NASWA Country List and Awards Program Booklet	\$3.00 PP US/CA \$5.00 elsewhere
<i>The System</i>	\$2.00 PP
Log Book Masters, QSL reports and log, program notes.	worldwide
Propagation Predictor	\$3.00 PP
Divides the year into 27-day segments for tracking solar pattern	worldwide
Spectrum Log	\$8.50 PP
Covers Tropical and International bands.	worldwide
NASWA Reprints Catalog	\$3.00 PP
A catalog of 800+ pages of info available from past NASWA issue	s. worldwide
QSL Signers	\$3.00 PP US/CA
by Al Quaglieri. The most comprehensive and up-to-date list of v	verifica-
tion signers names, titles, and addresses available anywhere!	\$5.00 elsewhere

Make checks payable in U.S. funds to "The NASWA Company Store."

North American Shortwave Association 45 Wildflower Road Levittown, Pennsylvania, 19057

First Class Mail U.S. Postage PAID Levittown, PA Permit No. 319

ISSN 0160-1989

FIRST CLASS MAIL



The Journal of the North American Shortwave Association

Executive Director: Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 Publisher / Business Manager: Bill Oliver, 45 Wildflower Road, Levittown, PA 19057

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

EDITORIAL STAFF

Managing Editor: Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606 Desktop Publishing/Graphics: Ralph Brandi, P.O. Box 491, Lincroft, NJ 07738 Shortwave Center: Jerry Lineback, 506 S. Lawrence Ave., Scranton, KS 66537 Easy Listening: Richard Cuff, 327 Springhouse Road, Apt. 102, Allentown, PA 18104 Listener's Notebook: Al Quaglieri, P.O. Box 888, Albany, NY 12201-0888 Technical Topics: Joe Buch, N2JB, P.O. Box 1552, Ocean View, DE 19970-1552 **QSL Report:** Sam Barto, 47 Prospect Place, Bristol, CT 06010 Distributing Editor: Fred S. Kohlbrenner, 2641 S. Shields St., Philadelphia, PA 19142 Tropical Band Loggings: Sheryl Paszkiewicz, P.O. Box 152, Manitowoc, WI 54221-0152 International Band Loggings: Wallace C Treibel, 357 N.E. 149th St., Seattle, WA 98155 Net Notes: Tom Sundstrom, W2XQ P.O. Box 2275, Vincentown, NJ 08088-2275

Scoreboard: Fred S. Kohlbrenner, 2641	S. Shields
St., Philadelphia, PA 19142	
NASWA Awards: Dr. Harold Cones, 2V	Vhits
Court, Newport News, VA 23606	
English Schedules: Mark J. Fine, 1125	2
Cardinal Drive, Remington, VA 22724-20	132
Listener's Library: Skip Arey, N2EI	
P.O. Box 236, Beverly, NJ 08010	
Equipment Reviews: Alan Johnson, N	4LUS
2490 Sharon Way, Reno, NV 89509	
The Company Store: Dan Cashin, 133	5
Harrington Road, Havertown, PA 19083	-
MEMBERSHIP FEES:	
	eac 00
United States (First Class Mail)	
Canada & Mexico (First Class Mail)	\$27.00
Overseas (ISAL Mail):	
Central & South America and Europe	
Asia, Africa and Pacific	\$32.00
Overseas (Air Mail):	
Central & South America and Europe	\$36.00
Asia, Africa and Pacific	\$42.00

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

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



N45146D: http://www.anarc.org/naswa/