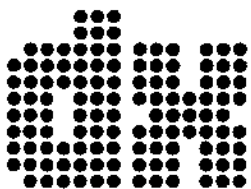


11 - 2004



ISSN 0175-6877



WORLD WIDE DX CLUB



WORLD WIDE DX CLUB



## Staff of WORLDWIDE DX CLUB:

- PRESIDENT AND CHIEF EDITOR** . . .  WWDXC Headquarters, Michael Bethge, Postfach 12 14, D-61282 Bad Homburg, Germany  
 daytime +49-6102-2861,  evening/weekend +49-6172-390918  
 +49-69-13303051669 ● E-Mail: mail@wwdxc.de
- BROADCASTING NEWS EDITOR** . . .  Dr. Jürgen Kubiak, Goltzstrasse 19, D-10781 Berlin, Germany  
E-Mail: j.kubiak@gmx.net
- LOGBOOK EDITOR** . . . . .  Ashok Kumar Bose, Apt. #634, 3420 Morning Star Drive, Mississauga, ON, L4T 1X9, Canada ● E-Mail: logbook@wwdxc.de
- QSL CORNER EDITOR** . . . . .  Richard Lemke, 60 Butterfield Crescent, St. Albert, Alberta, T8N 2W7, Canada ● E-Mail: qsl@wwdxc.de
- TOP NEWS EDITOR (Internet)** . . . .  Wolfgang Büschel, Hoffeld, Sprollstrasse 87, D-70597 Stuttgart, Germany ● E-Mail: topnews@wwdxc.de
- TREASURER & SECRETARY** . . . . .  Karin Bethge, Urseler Strasse 18, D-61348 Bad Homburg, Germany
- NEWCOMER SERVICE OF AGDX** . . .  Hobby-Beratung, c/o AGDX, Postfach 12 14, D-61282 Bad Homburg, Germany (please enclose return postage)

Each of the editors mentioned above is self-responsible for the contents of his composed column. Furthermore, we cannot be responsible for the contents of advertisements published in DX MAGAZINE.

We have no fixed deadlines. Contributions may be sent either to WWDXC Headquarters or directly to our editors at any time. If you send your contributions to WWDXC Headquarters, please do not forget to write all contributions for the different sections on separate sheets of paper, so that we are able to distribute them to the competent section editors.

- WORLDWIDE DX CLUB homepage in the Internet at: <http://www.wwdxc.de>
- Weekly "TopNews" by Wolfgang Büschel at: <http://topnews@wwdxc.de> (available also free of charge by E-Mail to our members on request)
- Latest DRM schedule at: <http://www.wwdxc.de/drm.htm>

## WORLD RADIO TV HANDBOOK 2005

Prices for orders from WORLDWIDE DX CLUB · Preise bei Bestellung beim WORLDWIDE DX CLUB:

€ 28.00 or US\$33.60. Extra for air mail: € 10.20 or US\$12.20.

These prices include postage and packing. Delivery against advance payment by International Money Order, cheque in € drawn on a German bank (otherwise please add € 5.00 for bank charges), cheque in US\$ drawn on a US bank, cash in any convertible currency, Postal Money Order or transfer to our postal giro accounts Postbank Frankfurt/Germany No. 289010605 (IBAN: DE49 5001 0060 0289 0106 05 - BIC/SWIFT-Code: PBNKDEFF) or Postbank Leeuwarden/Netherlands No. 3822840.

Der obige Preis enthält Porto und Verpackung. Lieferung gegen Vorauszahlung durch Überweisung, Scheck in € (gezogen auf eine deutsche Bank, sonst € 5,00 zusätzlich für Bankgebühren), Postanweisung oder Bargeld. Postbankkonten: Frankfurt am Main/BRD Nr. 289010605 [Bankleitzahl 500 100 60] und Leeuwarden/Niederlande Nr. 3822840.

## INTERNATIONALE ANTWORTSCHEINE (alte, kleine Version)

Bei uns erhältlich für € 1,00 pro Stück (inkl. Porto). Mindestbestellung: 10 Stück. Laut UPU (s. DX MAGAZINE 6/02, S. 31) sind diese weiterhin unbeschränkt gültig.

DX MAGAZINE is the monthly publication of WORLDWIDE DX CLUB, Postfach 12 14, D-61282 Bad Homburg, Germany. Price for a single copy: € 1.30 or 2 International Reply Coupons (IRC's); annual subscription rate: € 15.60 or 16 IRC's. Other currencies and air mail rates on request. Cover: Peter Pohle + Jürgen Kauer (KAVOP)



DX MAGAZINE No. 11

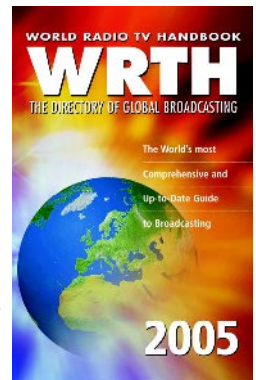
· Vol. XXXIX

· November 2004

Hello again,

Welcome to another issue of our DX MAGAZINE. Please remember to order the new **WORLD RADIO TV HANDBOOK 2005** early this year, since it is scheduled to be available here in Europe in the beginning or mid of December, as reported in our last DX MAGAZINE. By the way: More information on this year's edition can be found on our web page <<http://www.wwdx.de/archive/wrth2005.pdf>>.

Bitte denken Sie daran, daß das neue **WORLD RADIO TV HANDBOOK 2005** in diesem Jahr wieder Anfang/Mitte Dezember erscheinen wird (s. DX MAGAZINE 10). Ihre Bestellung sollte daher schon Ende November bei uns vorliegen, wenn Sie bei der ersten Auslieferung dabei sein wollen. Leider haben wir im letzten Monat versäumt, unseren Mitgliedern in Deutschland das angekündigte Überweisungsformular beizulegen. Dies holen wir diesen Monat nach.



(Cf. DXM 8/9, page 50) The **QSL Campaign of ADXB-OE** in cooperation with Radio Budapest has been extended until December 31st, 2004. This means that you are still able to take part in this campaign and get your special QSL card(s). The current B04 schedule of Radio Budapest has been published in DX MAGAZINE 10 on pages 10/11.

**EURO-TX 5.2**, the Database of International Broadcasts to Europe is now available free-of-charge, including the monthly updates. Please check: <<http://www.425dxn.org/swls/bdxc/eurotx/index.htm>>. This database of Dutch, English, French & German broadcasts is compiled by Jan Nieuwenhuis, Netherlands, who is also webmaster and editor of Benelux DX-Club (BDXC).

The **31.SWLCS DX-Camp** will be from July,15 until July 17, 2005 in Merchweiler in the Saarland area. A lot of Free Radio Operators visited this Camp in the past years. More information can be found on the following website: <<http://www.swlcs.com>>. **(BDXC via Mike Terry via Peter Kruse)**

The **A.I.R. Contest Attilio Leoni**, the annual Italian DX contest by Associazione Italiana Radioascolto, will take place from January 2nd to 9th, 2005. For full information, please write to: Bruno Pecolatto, AIR Contest Manager, Casella Postale 1, I-10080 Valprato Soana (TO), Italy, E-mail: <[bpecolatto@libero.it](mailto:bpecolatto@libero.it)>.

All new products of Klingenfuss Publications, **2005 Super Frequency List on CD-ROM**, **2005 Guide to Utility Radio Stations** and **2005 Shortwave Frequency Guide** will be published on December 10th. Detailed product descriptions, sample pages, database screenshots and the very latest references can be found on their website <<http://www.klingenfuss.org>>. Alternatively, you may ask for the free 2005 catalogue to your postal address. (Klingenfuss Publications, Hagenloher Str. 14, D-72070 Tuebingen, Germany, E-Mail: <[info@klingenfuss.org](mailto:info@klingenfuss.org)>)

And with this best wishes and good DX until next month from

## NEWS ABOUT BROADCASTING (+other) STATIONS

Dr. Juergen Kubiak · Goltzstr. 19 · D-10781 Berlin · GERMANY

**AFGHANISTAN:** A new radio station for Afghanistan, Radio Peace (Solh), has been heard on shortwave, the Dxing.info web site reported on 22 October. The station is said to be a new phase in USA psychological warfare for Afghanistan. Previous psyops operations, under the name Information Radio, used weaker airborne and naval transmitters. The report says that the station has adopted a new name and is now using high-power transmitters in the United Kingdom. Radio Solh broadcasts music which is popular in the target region and has messages urging listeners to report the whereabouts of the remaining Al-Qa'idah and Taleban leaders in Dari, Pashto and reportedly Urdu. The station has reportedly been heard offering rewards specifically for information leading to the arrest of Usamah Bin-Ladin. The current schedule is as follows, according to a report on the Dxing.info web site from Wolfgang Bueschel on 21 October:

0200-0500 gmt on 11810 kHz; 0700-1200 gmt on 21620 kHz; 1200-1300 gmt on 17555 kHz; 1300-1500 gmt on 17720 kHz; 1500-1630 gmt on 17710 kHz.

The reports adds that the transmissions are from UK-based transmitters at Woofferton and Rampisham operated by VT Merlin. BBC Monitoring observed the following announcement on 22 October on 21620 kHz at 0906 gmt in Dari and Pashto: "Radio Solh is the best, reliable source. It broadcasts news, informative reports and lively music." The name Radio Solh has been used previously in Afghanistan. A low-power station called Radio Solh in Jabal os Saraj (Jabalosraj) began broadcasting on 9 October 2001 on FM in Prawn province, north-west of Kabul. It had help from the French organization Droit de Parole (right to speak). (Source: ©BBCM via ©RNMN by AS October 27, 2004; via JKB)

**ANGOLA:** The government of the province of Huíla in Angola today recommended the deactivation of the transmission tower of the Catholic broadcaster *Rádio Ecclésia*, which it says was installed illegally about eight days ago in the Maior Seminary on the outskirts of the city of the Lubango. Speaking at a press conference, João de Castro, the local director of social communication, said that Rádio Ecclésia did not inform the government of the assembly of the tower nor the equipping of two studios in the Lubango seminary, which he said transgresses established legal formalities. The coordinator of the Installation Commission of Rádio Ecclésia, Father Simão Pacheco, promised to make a declaration on the matter in the next few days. The department of social communication has received several requests for the establishment of radio stations in the last three years from, amongst others, Trans World Radio, Community Radio of ADRA and Radio Ecclésia. (©RNMN by AS October 05, 2004; via JKB)

**AUSTRALIA:** After seven years of praying and sorting through red tape, *HCJB World Radio - Australia* has received official permission to expand its international broadcasting facility in Kununurra, Western Australia, onto adjacent property. This will make it possible to better serve the millions across the Asia/Pacific region. The idea to use the land dates back to July 1997 when David and Glenis Maingold were on a deputational trip to Kununurra. Some donors offered to give a 200-acre farm to HCJB World Radio-Australia as a base for local ministry and the development of an international shortwave broadcast facility. The shortwave station went on the air in January 2003 and now broadcasts Christian programs from this site across the Asia/Pacific region in more than 11 languages. (Excerpt from HCJB World Radio Press release via DXLD #4-156, October 12, 2004)

**BANGLADESH:** High Frequency Broadcasting Schedule B04, *Bangladesh Betar* External Service. Address: Radio Bangladesh, External Services, Bangladesh Betar, Shahbagh Post Box 2204, Dhaka 1000, Bangladesh. Reports to: Senior Engineer (Research Wing), National Broadcasting Authority, Bangladesh Betar, 121 Kazi Nazrul Islam Avenue, Shahbag, Dhaka-1000, Bangladesh. Fax: +880-2-8612021, E-Mail: <rrc@aitlbd.net>, Web: <<http://www.banglaradio.com>>.

1315	1345	Nepali	7185	daily
1400	1430	Urdu	7185	daily
1515	1545	Hindi	7185	daily

1630 1730 Bengali 7185 daily  
 1745 1900 English 7185 daily  
 1915 2000 Bengali 7185 daily (DXAsia Website via JKB, Nov 2004)

**BELGIUM:** From 26 March 2005, *Radio Vlaanderen Internationaal* says it will stop its radio programmes in English, French and German. The broadcasts in Dutch will be mostly relays of the domestic networks, and the only remaining shortwave transmissions will be to southern Europe. The RVI Web site will be relaunched with a new look. The name of the station will also be changed, to VRT-Internationaal. "The old and traditional mediumwave, and especially shortwave, output will be reduced," says VRT Radio Director Frans Ieven. These are outmoded delivery methods and "there are other cheaper and more efficient means of reaching people than with gigantic shortwave transmitters." But although the output will be reduced, it isn't disappearing altogether. "On mediumwave, a bit of shortwave, via satellite and the Internet, people can still hear an offering which you could describe as the best of the VRT channels. A network in which we combine the bits of our domestic services which are most relevant to the Flemish abroad." RVI will also carry "interesting sporting events" as well as some specific programming produced for Dutch-speaking listeners abroad. But many of the existing programmes in Dutch will also disappear. Radio programmes like Brussels Calling in English, French and German are being scrapped. In their place there will be translations, on the VRT-Internationaal Web site, of the main points from the Flemish and Belgian news stories. There's a relatively large expatriate Belgian community we need to serve, says Ieven, but what we have to offer is limited. Therefore, we have to do it as efficiently as possible. "Some people will find that they receive more interesting things, others will find they no longer receive what they had before. These are the inevitable compromises we have to make," he said. From the end of March, the Website will have a new look. The Flemish abroad will then be the focus, and for news the Web user will be re-directed to nieuws.net. (©RNMN by AS October 19, 2004; via JKB)

The latest edition of Radio World from *Radio Vlaanderen Internationaal* (RVI) suggests that listeners should write to the Flemish Media Minister to suggest why RVI should not stop broadcasting in English, French and German next March, as is currently planned. Radio World says:

The Flemish media minister Geert Bourgeois wants listeners and viewers to help to decide the future of the Flemish public broadcaster VRT. Mr Bourgeois is preparing an evaluation of the Flemish public broadcaster. He says that the six million Flemish people are the VRT's shareholders and wants them to have their say. Mr Bourgeois does not simply intend to collect complaints, but organise a debate in society at large. The results will guide the Flemish government in its talks with the VRT on its future. Next year the Flemish media minister starts to negotiate a new management contract with the VRT. The contract sets out which services the VRT should provide in return for public cash. The Flemish international broadcaster RVI is a division of VRT. So, if you feel inspired to help us, you could tell him what you think of stopping shortwave, or any kind of radio in English, French and German. This is his address:

Media minister Geert Bourgeois  
 Alhambra building  
 Emile Jacqmainlaan 20  
 B-1000 Brussels  
 Belgium

E-mail: kabinet.bourgeois@vlaanderen.be (©RNMN by AS October 31, 2004; via JKB)

**BHUTAN:** Radio Broadcasting was started by a group of young volunteers, known as the National Youth Association of Bhutan (NYAB) in November 1973. The station was operational only on Sundays with 30 minutes of news and music. The NYAB club office was transformed to announcing studio on weekends. The 400-watt transmitter was rented from a local telegraph office. The station was called Radio NYAB. In 1979, the Royal Government recognizing the importance of the radio for development communication, embraced the station under the wings of the Ministry of Communications. In 1986 with the commissioning of a 5kw short-wave transmitter and a small broadcast studio, Radio NYAB was renamed as *Bhutan Broadcasting Service - BBS*. Daily broadcasting was introduced with three hours of programming that reflected the national character. But it was only in March 1991 that BBS acquired a permanent seat and a professional look with the commissioning of a 5kw short-wave transmitter station and a studio complex-cum-office block. 2nd June 1999 was another historic date for BBS and for Bhutan as the national television service was

launched to commemorate the Silver Jubilee reign of His Majesty the King of Bhutan. Presently, the television service is available for the residents of Thimphu, but there are plans to extend it to the whole country. The two-hours of broadcast from 7pm to 8 pm contains 30 minutes of news and announcements in Dzongkha and English, followed by various programs and documentaries in both languages. In June 2000, BBS introduced FM radio service for Western Bhutan with the inauguration of the main FM station at Dobchula and one relay station at Takti in the south. The FM service was extended to central Bhutan in January 2001 and plans are underway to cover the whole country by the end of the ninth five year plan. BBS at internet: <<http://www.bbs.com.bt>>.

Short wave Radio:

Transmitter Power: 50 KW SW Broadcast Transmitter SK 45 F3

Broadcast Frequency: 49 meter band 6035 KHZ.

(BBS website via JKB)

Schedule B04:

0100 0300 Dzongkha 6035  
 0300 0400 Sharchhop 6035  
 0400 0500 Nepali 6035  
 0500 0600 English 6035  
 0600 0800 Dzongkha 6035 Su, Sa only  
 0800 0900 English 6035  
 0900 1000 Nepali 6035  
 1000 1100 Sharchhop 6035  
 1100 1300 Dzongkha 6035  
 1300 1500 Dzongkha 6035 Relay of TV program on SW with News & other programs.  
 1500 1600 English 6035 Relay of TV program on SW with News & other programs.  
 (DXAsia Website via JKB, Nov 2004)

**BULGARIA: Radio Bulgaria** B04 schedule from 10/31/2004 to 03/27/2005. Address: 4, Dragan Tsankov Blvd., 1040 Sofia and P.O.Box 900, 1000 Sofia. Fax.: +359 2 865 05 60, Website: <<http://www.bnr.bg>>

Programme Director: Angel Nedyalkov e-mail: [nediyalkov@bnr.bg](mailto:nediyalkov@bnr.bg)

Frequency Manager: Ivo Ivanov e-mail: [frequencies@bnr.bg](mailto:frequencies@bnr.bg)

ALBANIAN / e-mail:albanian@bnr.bg		2100-2200 -daily- Balkans	5900 P250/248, 1224, 747
0630-0700 Mon-Fri Balkans	5900 P250/248, 1224	RUSSIAN / e-mail:russian@bnr.bg	
0700-0800 Sat/Sun Balkans	5900 P250/248, 1224	0000-0100 -daily- Central Asia	9400 P250/045
1200-1230 -daily- Balkans	7200 P250/248	0400-0500 -daily- East Europe	5800 S100/030, 7500 S100/030, 1224
1700-1730 -daily- Balkans	5900 P250/248, 1224	0600-0630 -daily- East Europe	5800 S100/030, 7500 S100/030
2000-2100 -daily- Balkans	5900 P250/248, 1224, 747	1130-1200 -daily- East Europe	11600 S100/030, 13600 S100/030
BULGARIAN / e-mail:bulgarian@bnr.bg		1500-1600 -daily- East Europe	5800 S100/030, 7500 S100/030, 1224
0100-0200 -daily- North America	7400 P500/295, 9700 P500/306	1500-1600 -daily- Central Asia	9400 P250/045
0100-0200 -daily- South America	7500 P250/258, 11500 P250/245	1700-1730 -daily- East Europe	5800 S100/030, 7500 S100/030
0530-0600 Mon-Fri West Europe	9500 P500/306, 11500 P500/306	1900-2000 -daily- East Europe	5800 S100/030, 7500 S100/030
0530-0600 Mon-Fri Balkans	5900 P250/248, 1224	SERBIAN / e-mail:serbian@bnr.bg	
0530-0600 Mon-Fri East Europe	5800 S100/030, 7500 S100/030	0700-0730 Mon-Fri Balkans	5900 P250/248, 1224
0500-0600 Sat/Sun West Europe	9500 P500/306, 11500 P500/306	0800-0900 Sat/Sun Balkans	5900 P250/248, 1224
0500-0600 Sat/Sun Balkans	5900 P250/248, 1224	1230-1300 -daily- Balkans	7200 P250/248
0500-0600 Sat/Sun East Europe	5800 S100/030, 7500 S100/030	1800-1830 -daily- Balkans	5900 P250/248, 1224, 747
1100-1130 -daily- Balkans	7200 P250/248	2200-2300 -daily- Balkans	5900 P250/248, 1224, 747
1100-1130 -daily- East Europe	11600 S100/030, 13600 S100/030	SPANISH / e-mail:spanish@bnr.bg	
1100-1130 -daily- West Europe	11700 P500/306, 15700 P500/306	0000-0100 -daily- South America	7500 P250/258, 11500 P250/245
1300-1500 -daily- Balkans	1224	0200-0300 -daily- South America	7500 P250/258, 11500 P250/245
1300-1500 -daily- West Europe	11700 P500/306, 15700 P500/306	0200-0300 -daily- Central America	9400 P250/295
1600-1700 -daily- Balkans	5900 P250/248, 1224	0700-0730 -daily- South Europe	11900 P250/292, 13800 P250/260
1600-1700 -daily- East Europe	5800 S100/030, 7500 S100/030	1200-1230 -daily- South Europe	11600 P250/260, 13600 P250/292
1600-1700 -daily- Middle East	9400 P500/126	1730-1800 -daily- South Europe	9600 P250/260, 11600 P250/260
1600-1700 -daily- South Africa	17500 P500/185	2200-2300 -daily- South Europe	7400 P250/258, 9400 P250/260
1900-2000 -daily- Balkans	5900 P250/248, 1224, 747	TURKISH / e-mail:turkish@bnr.bg	
1900-2100 -daily- West Europe	7200 P250/306	0600-0630 -daily- Middle East	6000 P250/115, 7400 P250/140
1900-2100 -daily- Middle East	7400 P250/140	1100-1130 -daily- Middle East	6000 P250/115, 7400 P250/140
ENGLISH / e-mail:english@bnr.bg		1830-1900 -daily- Middle East	7400 P250/140, 1224, 747
0000-0100 -daily- North America	7400 P500/295, 9700 P500/306	RADIO VARNA on SW with programm "Hello Sea" in Bulgarian:	
0300-0400 -daily- North America	7400 P500/295, 9700 P500/306	2200 Sun-0400 Mon Black Sea	9500 V100/ND
0730-0800 -daily- West Europe	11600 P500/306, 13600 P500/306	DX-MIX program in Bulgarian will be on air:	
1230-1300 -daily- West Europe	11700 P500/306, 15700 P500/306	1445-1500 Sun 1224 11700 15700	
1830-1900 -daily- West Europe	5800 P500/295, 7500 P500/306	2045-2100 Sun 7200 7400	
2200-2300 -daily- West Europe	5800 P500/295, 7500 P500/306	DX-MIX program in Russian will be on air:	
FRENCH / e-mail:french@bnr.bg		1545-1600 Sat 1224 5800 7500 9400	
0200-0300 -daily- North America	7400 P500/295, 9700 P500/306	1715-1730 Sat 5800 7500	
0700-0730 -daily- West Europe	11600 P500/306, 13600 P500/306	1945-2000 Sat 5800 7500	
1200-1230 -daily- West Europe	11700 P500/306, 15700 P500/306	0045-0100 Sun 9400	
1800-1830 -daily- West Europe	5800 P500/295, 7500 P500/306	0445-0500 Sun 1224 5800 7500	
2100-2200 -daily- West Europe	5800 P500/295, 7500 P500/306	0615-0630 Sun 5800 7500	
GERMAN / e-mail:german@bnr.bg		1145-1200 Sun 11600 13600	
0600-0630 -daily- West Europe	9500 P500/306, 11500 P500/306	0615-0630 Mon 5800 7500	
1130-1200 -daily- West Europe	11700 P500/306, 15700 P500/306	1145-1200 Wed 11600 13600	
1730-1800 -daily- West Europe	5800 P500/295, 7500 P500/306	Tx Locations:	
2000-2100 -daily- West Europe	5800 P500/295, 7500 P500/306	MW: Petrich (G.C: 23.18E/41.42N): 747 kHz 500 kW / non-dir	
GREEK / e-mail:greek@bnr.bg		Vidin (G.C: 22.40E/43.49N): 1224 kHz 500 kW / 205 deg	
0600-0630 Mon-Fri Balkans	5900 P250/248, 1224	SW: P=Plovdiv/Padarsko (G.C: 24.42E/42.10N): 2 x 500 kW, 3 x 250 kW	
0600-0700 Sat/Sun Balkans	5900 P250/248, 1224	S=Sofia/Kostinbrod (G.C: 23.13E/42.49N): 2 x 100 kW, 2 x 050 kW	
1130-1200 -daily- Balkans	7200 P250/248		
1730-1800 -daily- Balkans	5900 P250/248, 1224, 747		

(OBSERVER #2004 Oct 25 via DXLD #4-164, October 28, 2004)

**CHINA (Peoples Rep.):** *China Radio International* (CRI) has signed a contract extension with WRN following a visit by a high-level delegation to the London headquarters of the international broadcaster and transmission service provider. WRN will continue to provide an increasing range of transmission and distribution services to CRI, ensuring that listeners around the world can tune into programmes produced in many languages by China's international radio station. The delegation was led by Mr Xia Jixuan, CRI's Vice-President. Other delegation members included Mr Dong Weimin from the Chinese Ministry of Finance and Mr Zhao Gang from the Chinese State Administration for Radio Film and TV. WRN has worked closely with CRI for more than five years since signing an initial Collaboration Agreement in Beijing in 1999. WRN works on CRI's behalf distributing its daily programmes to reach both new and existing listeners around the world using AM and FM transmissions that augment CRI's traditional shortwave broadcasting from China. CRI's daily programmes can be heard on FM in Berlin and Moscow and on AM in London, St Petersburg, across Western Europe, South West Russia, Ukraine and Romania. WRN identifies the most appropriate transmitters, undertakes local negotiations and monitors the output on behalf of CRI. Furthermore CRI's daily programmes in English, French, German and Russian can be heard on WRN's international news radio networks distributed around the world via satellite, cable, local FM relays, wireless applications and the Internet. After the signing ceremony, Mr Karl Miosga, WRN's Managing Director, said: "I am delighted that CRI continues to place its trust in WRN to distribute its content worldwide giving more listeners the opportunity to easily tune into the important Chinese perspective." (©RNMN by AS October 13, 2004; via JKB)

**CHINA (TAIWAN):** *Radio Taiwan International (RTI)* has launched a new logo that it says "provides a strong visual endorsement that enhances its stature as one of the world's leaders in the industry. The design's clean lines depict a corporation that is technologically advanced, international and excellence-oriented." According to RTI, red and gray were chosen to create a new palette to distinguish from RTI's previous colour scheme. Using the colours red and gray reinforces closeness, warmth and dynamism. RTI says the brilliant red colour is unique in the industry, and it evokes the emotional appeal of human communication enabled by technology. The identity is a simple and symbolic configuration comprising three gradient curve lines, representing a continuous cycle of discovery, creativity and knowledge, which stems from latitude, longitude and altitude coordinates to pinpoint a location. The curves indicate RTI's global scope, and the gray color suggests stability and trust. Additional graphic devices will be used on all applications to express movement and innovative thinking. (©RNMN by AS October 12, 2004; via JKB)



**EGYPT:** Sources at *Radio Cairo* say major budget cuts looming. Tarek Zeidan reports from Cairo: "According to a source working in Radio Cairo, there'll be a huge budget cut starting 1/11/04 and several overseas sections of Radio Cairo will be closed for good...including the Portuguese section beamed to Brazil and several other sections ..the remaining sections will be English, French, Spanish.... I don't know about the German and the Russian sections. "It was really obvious that something is going on specially when all the media followers here in Egypt noticed that the close down of ESC2 (Egyptian Satellite Channels 2) on 15/10/04 as everyone was wondering why ESC2 is not working on the Nile Sat...it turned out to be as a part of the changes that will take place in the media scene soon. "That means a lot of shortwave frequencies used to carry the Voice of Egypt will be in the clear and no more Radio Cairo in Afar, Fulani..etc. Further details will be given soon... hopefully I'll be able to get the exact affected sections soonest." (©RNMN by AS October 21, 2004; via JKB)

**FINLAND:** Bulletins in classical Latin air domestically on YLE Radio 1 and worldwide on YLE Radio Finland. Nuntii Latini is also available on the Internet at <<http://www.yleradio1.fi/nuntii>>. Nuntii Latini- Radiophonia Finnica Generalis 31.10.04-27.3.05:

Sundays at 1655 UT: North America 13665, South America 17730

Sundays at 1355 UT: Eastern Europe 9595

Sundays at 1955 UT: Europe 6120, 9630, 963 / Satellit network YLESAT1

Sundays at 2045 UT: Northern Europe 558

Mondays at 0345 UT: Northern Europe 558 / Satellit network YLESAT2

Mondays at 0955 UT: Asia and Australia 17810, Northern Europe 558

Inquiries about Nuntii Latini should be sent to: Nuntii Latini YLE Radio 1, BOX 60, 00024 Yleisradio, Finland// Email: <nuntii.latini@yle.fi> (via Paul Gager, BDXC-UK via DXLD #4-155, October 10, 2004)

**FRANCE:** The President-Director General of *Radio France International* (RFI), Antoine Schwarz, has made clear RFI's intention to consolidate its presence in the traditionally French-speaking areas of Africa by putting more emphasis on local languages and also by relaunching RMC Middle East, which has seen increasing competition from various new stations broadcasting in Arabic. Furthermore, Antoine Schwarz also specified that there had been no updates on the international news channel project. (Source: European Broadcasting Union via ©RNMN by AS October 16, 2004; via JKB)

**GABON:** The *national radio station of Gabon* is due to resume broadcasting this weekend after being off the air for nine months. An official ceremony will be held tomorrow, at which Minister of the Communication Mehdi Teale will preside. Created in the colonial era, Radio Gabon suspended broadcasts on 6 January for restructuring. The first channel of the National Television service (RTG 1), which operates inside the same building, will be able to resume its programmes in a month's time, having also been suspended in January. (Source: AngolaPress via ©RNMN by AS October 01, 2004; via JKB)

**GERMANY:** *German Telekom - Relay* stations transmissions, B04 period (10/31/2004 - 03/27/2005) (1=Sun ... 7=Sat) - UPDATE:

For the following transmissions from Juelich the frequencies were still not available at the time we published DX MAGAZINE 10/2004. Here they are now:

frq	start	stop	ciraf	azi	type	day	from	to	loc	pow	broad
6130	0627-0645	28,29		100	206	23456	311004	270305	JUL	100	TWR
7210	0927-0945	28		100	206	34567	311004	270305	JUL	100	TWR
6105	0927-0945	28		105	216	34567	311004	270305	JUL	100	TWR
7225	1127-1200	28,29		105	216	7	311004	270305	JUL	100	TWR
6130	1127-1200	28,29		100	206	7	311004	270305	JUL	100	TWR
5995	0200-0400	39,40		100	216	1234567	311004	270305	JUL	100	VOR
9555	1500-1600	39,40		115	217	1234567	311004	270305	JUL	100	VOR
5975	2000-2200	39,40		110	216	1234567	311004	270305	JUL	100	VOR
5965	2000-2200	39,40		105	216	1234567	311004	270305	JUL	100	VOR
5990	2100-2200	39,40		115	216	1234567	311004	270305	JUL	100	VOR
6175	2300-2400	39,40		100	216	1234567	311004	270305	JUL	100	VOR

(Volker Knuetel, Germany)

"Please have a look at the new programs of HLR and RTR:

5925	1000-1559	27,28		ND	976	7	251204	010105	JUL	100	HLR
5925	1400-1515	27,28		ND	926	1	051204	270305	JUL	100	RTR
5925	1515-1559	27,28		ND	926	1	051204	051204	JUL	100	RTR
5925	1400-1515	27,28		ND	926	6	241205	241205	JUL	100	RTR

(HLR = Hamburger Lokal Radio - RTR = Radio Traumland, Belgium)

We would also like to inform you about the new program of "Le Heraut de la Chritian Sience" on SW from Juelich:

Tuesdays , 18:00 to 18:30 UTC, 7220 kHz, 200g, target Westafrica and France

Thursdays, 18:00 to 18:30 UTC, 7220 kHz, 155g, target Central Africa

Any reception report is highly appreciated. Best regards from Juelich."

(Ralf Weyl, T-Systems, Regional MediaBroadcast Cologne, MediaBroadcast, Address: Merscher Hoehe, D-52428 Juelich, Germany; E-Mail: <ralf.weyl@t-systems.com>).

Das Hamburger Lokalradio 96,0 MHz sendet seit 6. November über einen leistungsstarken Kurzwellensender der T-Systems in Jülich ein wortgeprägtes Kulturprogramm. Jeweils Samstag von 10.00 bis 11.00 Uhr UTC wird ein bunter Mix aus Kultur und Unterhaltung ausgestrahlt. Die Frequenz 6045 KHz garantiert einen europaweiten Empfang. Der Sender mit 100 Kilowatt Trägerleistung wird im sogenannten DAM-Modus (Dynamische Amplitudenmodulation) betrieben. Dies führt zu deutlich geringeren Stromkosten. Empfangsberichte sind erwünscht und werden mit QSL-Karte bestätigt. Rückporto sollte den Berichten beigelegt werden. Mehr zum Lokalprogramm gibt es auf <<http://www.hhllr.de>>. Anschrift: Hamburger Lokalradio, Kulturzentrum LOLA, D-21031 Hamburg, Deutschland.

(Michael Kittner, Stationsleiter HLR, Oct. 17, 2004)



**GREECE:** The *Voice Of Greece* - ERA5 B04 short wave transmission schedule effective from 10/30/04 to 03/26/05, according to monitoring on Nov. 2nd / 3rd:

EUROPE	0000-0600 5865 7475 Gr	0000-0600 5865 7475 Gr
0000-0200 5865 7475 Gr	0200-1000 9420 Gr	0200-1000 9420 Gr
0200-0600 5865 7475 9420 Gr	0600-0700 5865 Gr	0600-0700 5865 Gr
0600-0700 5865 9420 15630 Gr, En	0600-1000 15630 Gr, En	0600-1000 15630 Gr, En
0700-0900 9420 11645 15630 Gr, En	0700-1000 11645 Gr, En	0700-1000 11645 Gr, En
0900-1000 9375K 9420 11645 15630 Gr, En	0900-1000 9375K Gr	0900-1000 9375K Gr
1100-1200 9375K 15630 [irr. carrier until 1118, then progr] 15650K Gr	1100-1500 9375K Gr	1100-1500 9375K Gr
1200-1300 9375K 9420 [irr. carrier until 1210, then progr] 15630 15650K Gr	1200-1400 15630 Gr	1200-1400 15630 Gr
1300-1400 9375K 9420 15630 Gr	2000-2300 12105K Gr	2000-2300 12105K Gr
1300-1400 15650K Gr, Special separate program	2100-2400 9375K Gr	2100-2400 9375K Gr
1400-1500 9375K 9420 15630 Gr	AFRICA	
1500-2000 7475K 9420 15630 Gr	0000-0200 12105K Gr	0000-0200 12105K Gr
2000-2400 7475 9375K 9420 12105K Gr	0000-0400 7475 Gr	0000-0400 7475 Gr
EUROPE - FOREIGN LANGUAGE TRANSMISSIONS	0700-1000 11645 Gr, En	0700-1000 11645 Gr, En
1400-1600 7430K Ar, De, Ru, Sp	2000-2100 12105K Gr	2000-2100 12105K Gr
1600-1800 7430K Ro, Tu, Bg, Sc	2300-2400 9375K Gr	2300-2400 9375K Gr
1800-2000 7430K Al, Fr, Pl, En	JAPAN	
EUROPE - MW	0400-0600 12105K Gr	0400-0600 12105K Gr
0900-1730 792 Gr, Ar, De, Ru, Sp, Ro, Tr, Bg	0400-0900 15650K Gr	0400-0900 15650K Gr
1830-1900 792 Fr [?Gr?]	0600-1000 21530K Gr	0600-1000 21530K Gr
2100-2230 792 Gr	PACIFIC OCEAN	
TASHKENT	1100-1400 15650K Gr	1100-1400 15650K Gr
0000-0200 9375K Gr	AUSTRALIA	
0400-0600 12105K Gr	0000-0200 9375K Gr	0000-0200 9375K Gr
0400-0900 15650K Gr	0400-0600 12105K Gr	0400-0600 12105K Gr
0600-1000 21530K Gr	0400-0900 15650K Gr	0400-0900 15650K Gr
1100-1400 15650K Gr	0600-1000 21530K Gr	0600-1000 21530K Gr
1300-1400 15650K Gr, Special separate program	0700-0800 9770D Gr Sat/Sun only	0700-0800 9770D Gr Sat/Sun only
MIDDLE EAST	0800-0900 9770D Gr	0800-0900 9770D Gr
0400-0600 12105K Gr	1100-1300 15650K Gr	1100-1300 15650K Gr
0400-0900 15650K Gr	1300-1400 15650K Gr, Special separate program	1300-1400 15650K Gr, Special separate program
0600-1000 21530K Gr	2000-2400 12105K Gr	2000-2400 12105K Gr
2000-2400 12105K Gr	2100-2300 9375K Gr	2100-2300 9375K Gr
2100-2300 9375K Gr	NORTH AMERICA	
INDIAN OCEAN	0000-0600 5865 7475 Gr	0000-0600 5865 7475 Gr
0400-0600 12105K Gr	0600-0700 5865 Gr	0600-0700 5865 Gr
0400-0900 15650K Gr	0600-1000 15630 Gr	0600-1000 15630 Gr
0600-1000 21530K Gr	1200-1500 11750D Gr	1200-1500 11750D Gr
1100-1300 15650K Gr	1500-1600 15485D Gr Sat/Sun only	1500-1600 15485D Gr Sat/Sun only
1300-1400 15650K Gr, Special separate program	1600-2200 15485D Gr	1600-2200 15485D Gr
2000-2400 12105K Gr	[latter two second behind Greek outlets 7475/9420/15630, wb.]	[latter two second behind Greek outlets 7475/9420/15630, wb.]
2100-2300 9375K Gr	SOUTH AMERICA	
MIDDLE EAST/INDIAN OCEAN - MW	0000-0200 9375K 12105K Gr	0000-0200 9375K 12105K Gr
1000-1500 1260R Gr, Ar, De	PANAMA ZONE & SW AFRICA	
1730-1800 792K Gr	0000-0200 12105K Gr	0000-0200 12105K Gr
ATLANTIC OCEAN	2000-2200 17565G Gr	2000-2200 17565G Gr
	2300-2400 9375K Gr	2300-2400 9375K Gr

Gr=Greek, En= English, Al= Albanian, Ar=Arabic, Bg= Bulgarian, De=German, Fr=French, Sp= Spanish, It=Italian, Pl=Polish, P=Portuguese, Ro=Romanian, Ru= Russian, Sc=SerboCroatian, Tu=Turkish.

LIVE AUDIO URL: <<http://www.ert.gr>>

Reports via e-mail: <[era5@ert.gr](mailto:era5@ert.gr)>

Technical information: <[bcharalabopoulos@ert.gr](mailto:bcharalabopoulos@ert.gr)>

ERT S.A. MACEDONIA STATION, Thessaloniki domestic service.

EUROPE 1100-1600 9935 Gr

EUROPE 1600-2350 7450 Gr

ERA 5 'THE VOICE OF GREECE' Mesogeion 432, Ag. Paraskevi Attikis, 15342 Athens, Greece. Tel +301 6066308, 6066297, Fax +301 6066309

Macedonia Radio Station: Angelaki Str 2, 54621 Thessaloniki, Greece.

Tel: +303 1244979, Fax: +303 1236370.

General Direction of ERA (Engineering Div.): Mesogeion 432, Ag. Paraskevi Attikis, 15342 Athens, Greece. Tel 301 606 6257 Fax +301 606 6243

(Wolfgang Bueschel, Germany, Nov 3, 2004)

Where to look for on ERA 5 frequencies and programs? All in Greek, some files currently corrupted, with daily, Saturday and Sunday programs in "analytical" and another format:  
<http://www.ert.gr/radio/channel.asp?id=7>  
 Presented in English: daily, Saturday, Sunday, and Foreign Language program schedules:  
<http://www.ert.gr/radio/channel.asp?id=19>  
 Frequency schedules in Greek: <http://www.ert.gr/radio/frequencies.asp?id=7>  
 Frequency schedules in English: <http://www.ert.gr/radio/frequencies.asp?id=19>  
 Program schedules in Greek, and English similar to first two entries, some files corrupted: <http://www.voiceofgreece.gr/program.asp>  
 Frequency schedules in Greek: <http://www.voiceofgreece.gr/frequencies.asp>  
 ERA5 Program to Europe, presented in French:  
[http://www.amb-grece.fr/grece\\_en\\_france/era\\_5.htm](http://www.amb-grece.fr/grece_en_france/era_5.htm)  
 Voice of Greece Schedule, when available:  
<http://www.bclnews.it/b04schedules/grecia.htm>  
 (John Babbis, 2004 Oct 6, DXLD #4-156, October 12, 2004)

**INDIA:** In each language service *All India Radio - AIR* is presented a composite program consisting of a news bulletin, commentary, press review, talks on matters of general and cultural interest, occasional feature programs and documentaries, Indian classical and light classical music (Vocal and Instrumental music) as well as music of the area concerned. Broadcasting started in India in 1927 with the proliferation of private radio clubs. The operations of All India Radio began formally in 1936, as a government organization. With clear objectives to inform, educate and entertain the masses. When India attained Independence in 1947, AIR had a network of six stations and a complement of 18 transmitters. The coverage was 2.5% area and just 11% of the population. Rapid expansion of the network took place post Independence. AIR today has a network of 208 broadcasting centres with 150 medium frequency(MW), 48 Short Wave(SW) and 128 FM transmitters. The coverage is 89.51% of the area, serving 98.82% of the population. AIR covers 24 languages and 146 dialects in Home Service. In External Services, it covers 26 languages: 16 national and 10 foreign languages. Listeners are requested to send Reception Report and Comments on the programmes to the Director of External Services, All India Radio, Post Box No. 500, New Delhi-110001 (India). Reception reports on technical quality of the programmes are welcome and may be sent to the Director (Frequency Assignments), All India Radio, Room No.204, Akashvani Bhavan, New Delhi-110001 (India). Fax: 91-11-3714062, 3710145. E-mail: [faair@nda.vsnl.net.in](mailto:faair@nda.vsnl.net.in). (JKB)

#### AIR B04 schedule:

Arabic	2245-0045 AS 9705P 11620Kh 13605B
0430-0530 ME 11730Kh 15770A 13620B	2245-0045 AS 9950A 11645Kh 13605B
17845Kh	French
1730-1945 ME 9905A 11585Kh 13620B	1945-2030 AF 9905A 13605B 13620B
Baluchi	Gujarati
1500-1600 AS 6165Kh 9620A 11585Kh	0415-0430 AF 15075B 15185A 17715Kh
Bengali	1515-1600 AF 11620B 15175B
0300-0430 AS 594C	Hindi
0800-1100 AS 594C	0315-0415 AF 15075B 15185A 17715Kh
1445-1515 AS 1134C	0315-0415 ME 11840P 13695B 15075B
1600-1730 AS 1134C	0430-0530 AF 15075B 5185A 17715Kh
Burmese	1615-1730 AF 9950Kh 15075Kh 17670Kh
1215-1315 AS 11620A 11710Ki	1615-1730 ME 7410A 12025P 13770B
Chinese	1945-2045 EU 7410Kh 9950Kh
1145-1315 AS 11840Kh 15795B 17705B	2300-0000 AS 9910A 11740P 13795A
Dari	Indonesian
0300-0345 ME 9835Kh 9910A 11735A	0845-0945 AS 15770A 17510Kh 17875A
1315-1415 ME 7255A 7410Kh 9910Kh	Kannada
English	0215-0300 ME 11985B 15075B
1000-1100 AU/NZ 13710B 7510Kh 17895A	Malayalam
1000-1100 AS 15020A 15235B 17800B	1730-1830 ME 7115P 12025P
1000-1100 AS 1053T 15260Ki	Nepali
1330-1500 AS 9690B 11620Kh 13710B	0130-0230 AS 594C 3945G 7250P 9810P
1530-1545 AS 7255A 9820P 9910Kh	11715Kh
11740P	0700-0800 AS 7250G 9595Ki 11850Ki
1745-1945 AF 11935M 15075Kh 17670Kh	1330-1430 AS 1134C 3945G 4860Ki
1745-1945 EU 7410Kh 9950Kh 11620A	11775P
1745-1945 AF 9445B 13605B 15155A	Persian
2045-2230 AU/NZ 9910A 11620B 11715P	0400-0430 AS 11730Kh 15770A 17845Kh
2045-2230 EU 7410Kh 9445B 9950Kh	1615-1730 Iran 7115P 9905A 11585Kh

Punjabi	0800-0830 AS 702J	0000-0045 AS 9910A	11740P	13795A
	1230-1430 AS 702J	0115-0330 AS 1053T		
Pushtu	0215-0300 AS/ME 9835Kh	9910A	11735A	
	1415-1530 AS/ME 7255A	7410Kh	9910Kh	
Russian	1615-1715 EU 9875Kh	11620B	15140Kh	
Saraiki	1130-1200 AS 702J			
Sindhi	0100-0200 AS 5990A	7125Ki	9635A	
	1230-1500 AS 6165Kh	9620A	11585Kh	
Sinhala	0045-0115 AS 1053T	11740P	11985Kh	
	1300-1500 AS 1053T	9820P	15050Kh	
Swahili	1515-1615 AF 9950Kh	13605A	17670Kh	
Tamil	0000-0045 AS 1053T	9835Ki	11740P	
	11985Kh			
		0830-1130 AS 702J	7250G	9595 A
		11620Kh		
		1430-1735 AS 3945G		
		1430-1930 AS 702J	4860Ki	6045Ki

Transmitter locations:

A = Aligarh	Ki = Kingsway (Delhi)
B = Bangalore	M = Mumbai (Bombay)
C = Chinsurah (Kolkata / Calcutta)	P = Panaji
G = Gorakhpur	R = Rajkot (temporarily off air)
J = Jalandhar	T = Tuticorin
Kh = Khampur (Delhi)	

(Jose Jacob - dxindia, via Mike Barraclough - WDXC via Alan Roe, DXLD #4-162, October 22, 2004)

**IRAN: Islamic Republic of Iran Broadcasting (IRIB)** is reintroducing shortwave transmissions beamed to Europe and North America for the new winter broadcasting season. According to the IRIB Web site, English will be available to Europe at 1930-2030 UTC on 6110 and 7320 kHz, and to North America at 0130-0230 UTC on 9580 and 6120 kHz. Other languages are also being reintroduced on shortwave for Europe, including:

German

0730-0830 UTC on 15085 and 21770 kHz  
1730-1830 UTC on 6110 and 9500 kHz.

French

0630-0730 UTC on 17590 and 21645 kHz  
1830-1930 UTC on 6180 and 9755 kHz

Italian

0630-0730 UTC on 15085 and 17560 kHz  
1930-2000 UTC on 9615 and 7295 kHz

Frequencies for other languages are available on the Web site. A rather unusual feature of the IRIB Web site is that every language section has its own design and layout, rather than a corporate style. (©RNMN by AS October 25, 2004; via JKB)

**IRIB** English service broadcasting schedule B04 from November 1st:

1030-1130 UTC, 15480 and 15460 kHz / Indian Subcontinent  
1530-1630 UTC, 9610 and 9940 kHz / Indian Subcontinent  
1930-2030 UTC, 6110 and 7320 kHz / Europe,  
11695 and 9855 kHz / South and East of Africa  
0130-0230 UTC ("Voice of Justice"), 9580 and 6120 kHz / North America

German schedule:

0730-0830 UTC, 15085 and 21770 kHz, German  
1730-1830 UTC, 6110 and 9500 kHz, German  
(Guenter Jacob, 25./27. Oct. 2004, German sked also direct from <germanradio@irib.ir> via Volker Willschrey, October 26, 2004)

Another English **IRIB** B04 schedule:

1030-1130  
15480 Indian Sub Continent  
15460 Indian Sub Continent  
702 Republic of Azerbaijan

765 Pakistan  
1130-1230  
Voice of Justice - via Internet/Hotbird  
Satellite only  
1530-1630

9610 Indian subcontinent  
 9940 Indian subcontinent  
 1930-2030  
 6110 Europe  
 7320 Europe  
 9855 South and East Africa  
 11695 South and East Africa  
 2130-2230

via Internet and Hotbird Satellite only  
 [? See my recent report of this on 11875, GH]  
 0030-0130 UT  
 via Internet and Hotbird Satellite only  
 0130-0230 UT  
 Voice of Justice  
 6120 North America  
 9580 North America

Mail your correspondence to IRIB English Service, P.o.Box: 19395-6767, Tehran, I.R of Iran. E-mail: <englishradio@ irib.ir>.

Internet website: <<http://www.irib.ir/worldservice/englishradio>>

(via Bruce MacGibbon, 2004 Oct 23, DXLD #4-163, October 24, 2004)

**ITALY:** The Italian Minister of Communications, Maurizio Gasparri, says that the privatization of public broadcaster *RAI* will start next spring. The Italian government is currently looking for a bank to handle the privatization. Initially, 20% of RAI will be available for sale on the stock market. The move requires a change in the media law, which is expected to go through in April 2005. There are fears that Prime Minister Silvio Berlusconi will use the privatization of RAI to get an even firmer grip on control of the major Italian media. (©RNMN by AS October 21, 2004; via JKB)

Transmission schedule B04 of *RAI International*. [Schedule is only available in Italian on RAI Website, Ed.]:

ALBANESE				1700-1800	6140	9755	11875	
1335-1355	9670					11895	15250	15320
AMARICO				1830-1905	11800	15250		
0435-0455	11985			2240-0055	9840	11800		
ARABO				2300-0500	900	1332	6060	
0600-0620	11985			LITUANO				
1430-1455	567	9670	11800	0505-0525	5965			
1630-1655	6040	11670		POLACCO				
2025-2045	6010	7290		1840-1900	5990			
2135-2155	6010	7290		2210-2225	6125			
BULGARO				PORTOGHESE				
1540-1600	11985			0115-0130	9840			
CECO				2050-2110	6010	7290	11880	15250
1810-1825	5990			RUMENO				
2135-2155	6125			0530-0550	5965			
CROATO				2115-2135	6125			
1435-1455	9850			RUSSO				
DANESE				0345-0405	5965	9655		
2000-2020	6035	9760	(mar - gio - dom)	0600-0620	9670	11800		
ESPERANTO				1605-1625	9655	11815		
2000-2020	6035	9760	(sab)	2000-2020	6125	9670		
FRANCESE				SERBO				
0115-0130	11800			1910-1930	6130			
1530-1555	5985	9570	11680	SLOVACCO				
1630-1655	9570	11895		1825-1840	5990			
GRECO				2155-2210	6125			
1520-1540	11985			SLOVENO				
INGLESE				1400-1415	9850			
0055-0115	11800			SOMALO				
0445-0500	5965	6000	7230	0530-0550	11985			
1935-1955	6035	9760		1910-1930	11855			
2025-2045	6040	11880		SPAGNOLO				
2205-2230	11895			0055-0115	9840			
ITALIANO				0315-0335	9840	11800		
0130-0230	6110	11765		2110-2130	6010	7290		
0130-0315	9840	11800		SVEDESE				
0435-0445	5965	6000	7230	2000-2020	6035	9760	(lun - mer - ven)	
0455-0530	11985			TEDESCO				
0630-1300	11800			1415-1435	9850			
1000-1100	11920			1805-1825	6110	9760		
1400-1425	17780	21520	(lunedì-sabato)	TURCO				
1500-1525	9670	11800	11900 (lunedì-sabato)	1500-1520	11985			
1500-1525	9670	11800	(lunedì-sabato)	UCRAINO				
1555-1625	5985	9570	11680	0405-0425	5965	9655		

UNGHERESE

| 1935-1955 6130

On Sundays at 1350-1730, the following frequencies may be used for news or sports broadcasts in Italian: 9670 21520 21550 21710  
(Andrea Borgnino via Roberto Scaglione BCLNEWS.IT, via DXLD #4-151, October 2, 2004)

**IRELAND:** Irish public broadcaster *RTE* has announced that maintenance on its 500 kW mediumwave transmitter at Tullamore has been completed, and the station will resume broadcasting on Friday 5 November. The transmitter has been off the air since July. (©RNMN by AS November 02, 2004; via JKB)

**LITHUANIA:** B04 schedule of *Radio Vilnius* (Lithuanian Radio's Foreign Service) as mentioned by Vladas Dobilas on today's edition of Radio Vilnius:

To North America:

2330 UTC on 7325 kHz

0030 UTC on 9875 kHz

To Europe:

1900 UTC on 666 kHz (MW)

0930 UTC on 9710 kHz

The 1900 broadcast is also streamed over the Internet.

(Ted Schuerzinger - Swprograms mailing list via DXLD #4-162, October 22, 2004 )

**MISCELLANEOUS:** UK media regulator Ofcom and the Radio Society of Great Britain (RSGB) have announced that all necessary procedures required for early access to the 7.1 to 7.2MHz spectrum for all *UK radio amateurs* have been finalized and that access is allowed as of 0100 UTC on Sunday 31 October 2004. Early access is granted on a Secondary (non-interference) basis using a maximum of 26dBW (400 watts) PEP for Full licensees, 50 watts for Intermediate and 10 watts for Foundation licensees. Notices of Variation for the Foundation, Intermediate and Full licenses have been published on the Ofcom website. The RSGB recommends that for the time being only voice and Morse code modes are used between 7.1 and 7.2MHz. Band planning issues on 7MHz will be kept under regular review and will be dependent on the number of administrations granting early access to this band prior to full Primary access on 29 March 2009. Ehard Goddijn of Radio Netherlands reports that there's already activity, even as high as 7200 kHz where he monitored UK amateurs co-channel with Radio Bulgaria. (©RNMN by AS November 01, 2004; via JKB)

FCC adopts rules for *Broadband over Power Lines*. The US Federal Communications Commission (FCC) has adopted changes to Part 15 of its rules to encourage the development of Access Broadband over Power Line (Access BPL) systems while safeguarding existing licensed services against harmful interference. Access BPL is a new technology that provides access to high speed broadband services using the largely untapped communications capabilities of the nation's power grid. By facilitating access to BPL, the FCC says it's taking an important step toward increasing the availability of broadband to wider areas of the country because power lines reach virtually every home and community. In areas where consumers already have broadband access, BPL can enhance competition by providing another broadband alternative. Access BPL will also facilitate the ability of electric utilities to dynamically manage the power grid itself, increasing network reliability by remote diagnosis of electrical system failures. In the Report and Order adopting these changes, the Commission recognized the significant concerns of some licensed radio service users regarding the potential of Access BPL systems to cause interference to their operations. The Commission stated that its intention in adopting the Part 15 rule changes was to ensure that Access BPL operations do not become a source of harmful interference to licensed radio services [these include amateur radio and shortwave broadcasts]. Based on extensive research and analyses, as well as experience, it concluded that the interference concerns of licensed radio users can be adequately addressed and that Access BPL systems will be able to operate successfully on an unlicensed, non interference basis under the Part 15 model. The rule changes in the Order establish specific technical and administrative requirements for Access BPL equipment and operators to ensure that interference does not occur and, should it occur, to provide for a timely resolution of that harmful interference without disruption of service to Access BPL subscribers. The Order also sets forth procedures to measure the radio frequency (RF) energy emitted by Access BPL equipment.

Specifically, the Order by the Commission:

- \* Sets forth rules imposing new technical requirements on BPL devices, such as the capability to avoid using any specific frequency and to remotely adjust or shut down any unit;
- \* Establishes "excluded frequency bands" within which BPL must avoid operating entirely to protect aeronautical and aircraft receivers communications; and establishes "exclusion zones" in locations close to sensitive operations, such as coast guard or radio astronomy stations, within which BPL must avoid operating on certain frequencies;
- \* Establishes consultation requirements with public safety agencies, federal government sensitive stations, and aeronautical stations.
- \* Establishes a publicly available Access BPL notification database to facilitate an organized approach to identification and resolution of harmful interference.
- \* Changes the equipment authorization for Access BPL systems from verification to certification; and
- \* Improves measurement procedures for all equipment that use RF energy to communicate over power lines.

(©RNMN by AS October 15, 2004; via JKB)

**PHILIPPINES:** Some changes by *Radio Veritas* Asia effective 14th November 2004:

Old	New	UTC	Programme	
11780	11820	0000-0027	Sinhala	15335 15350 0200-0227 Urdu
11705	11895	0230-0257	Zomi Chin	11730 11725 1400-1427 Bengali
11770	11790	0100-0127	Bengali	11880 11725 1430-1457 Urdu
11780	11790	0130-0157	Hindi	11705 11765 1500-1600 Filipino

(DXAsia via JKB, 11 Nov 2004)

**PORTUGAL:** The B04 transmissions effective from 31 October 2004 of *RDP Internacional*, all in Portuguese. Postal address: RDP Internacional, Av. Eng. Duarte Pacheco 6, 1070 Lisboa, Portugal. Web: <<http://www.rdp.pt>>.

Portuguese (mo-fr)	0600-1300	EU	9755(-0855)	9815	0000-0300	N+SAM	9410	9715	11980	13700	13770	
	0745-0900	EU	11660		Portuguese (sa+su)							
	0900-1055	EU	11875		0800-1055	SAM	17710					
	1100-1300	EU/SAM/AF	15140	21655	21830	0800-1455	EU	11875	15575			
	1300-1700	NAM	15575*			0800-1655	AF	21830				
	1400-1600	ME	15690			0930-1100	EU	9815				
	1700-1900	NAM	17825*			1100-2100	SAM	21655				
	1700-2000	AF/SAM/EU	9460	17680	21655	1300-1800	NAM	15575(-1700)	17745			
	1800-2100	SAM	15535*			1500-1800	EU	11635(-1755)	11960			
	1900-2400	NAM	15540*			1700-2000	NAM	17825(-1900)	17680			
	2000-2400	AF/SAM/EU	7310*	9460*	11825*	15555*	1800-2100	EU/SAM	9460	11630	15535	
	2100-2400	SAM	15460*				1900-2100	NAM	15540**			
Portuguese (tu-sa)							2000-2400	AF/SAM/EU	7310	9460	11825*	15555*
							2100-2400	SAM	15460*			

\* = Special transmissions only

\*\* = Extend to 2400 for special transmissions

(Isabel Saraiva - RDP via Alokesh Gupta in dxldyg and hcdx mail lists via Alan Roe, WDXC via DXLD #4-165, October 30, 2004)

**SOLOMON ISLANDS:** Text of report by *Solomon Islands Broadcasting Corporation* text web site on 27 September: Solomon Islands Broadcasting Corporation, SIBC, welcomes the announcement by *Radio New Zealand International* that it would start broadcasting to the Pacific region using a new digital capable shortwave transmitter in early 2006. SIBC general manager Johnson Honimae says the corporation welcomes this announcement because it will mean a better quality relay of Radio New Zealand International programmes such as news and current affairs and sports every day for our listeners. He says the corporation sees one of the roles of SIBC as providing many sources of information for its listeners to enable them make decisions to improve their daily lives, adding that Radio New Zealand International is one of those sources through their many high quality programmes such as news and current affairs, and sports. Mr Honimae says with the inception of the new digital shortwave transmitter in 2006, the relay of the programmes through SIBC would be of a high quality and clarity for our listeners. He says Radio New Zealand International also plays an important role in the cyclone season in Solomon Islands because it carries the cyclone warnings 24 hours a day, something that SIBC is not able to do because of the lack of resources. Mr Honimae commends the New Zealand government for agreeing to boost funding to Radio New Zealand International to enable it to move to digital shortwave technology, saying this shows the New Zealand government's

commitment to the people of the Pacific region. (Source: Solomon Islands Broadcasting Corporation text web site, Honiara, in English 27 Sep 04 via ©BBCM via ©RNMN by AS September 28, 2004; via JKB)

**SRI LANKA:** Victor Goonetilleke reports: On the 22nd of September the order went from the Director General Engineering at *SLBC Sri Lanka Broadcasting Corp.* to Ekala SW transmitting station to stop all Domestic SW transmissions due to the high cost of electricity. With it a long journey of Domestic SW has come to an end. MW ceased last year. However, the SLBC still runs its SW Service for its external services. The SLBC has a very effective FM coverage. The terrain of the country is tailor made for VHF and TV coverage with the highest mountain in Sri Lanka, Mt. Pidurutalagala 8281ft (2524m) and highlands situated in the center of the country. The Central Highlands consists of a series of mountain peaks which almost without exception have one or more VHF/UHF and Microvave links. However, we are making representations to the SLBC to restore at least a domestic service relay for Sri Lankans working in the Maldiv Islands and in neighboring countries where Internet radio will still be prohibitive. (©RNMN by AS September 26, 2004; via JKB)

Broadcasting on an experimental basis was started in Ceylon by the Telegraph Department in 1923, just three years after the inauguration of broadcasting in Europe. Gramophone music was broadcast from a tiny room in the Central Telegraph Office with the aid of a small transmitter built by the Telegraph Department engineers from the radio equipment of a captured German submarine. The results proved successful and barely three years later, on December 16, 1925, a regular broadcasting service came to be instituted. Edward Harper who came to Ceylon as Chief Engineer of the Telegraph Office in 1921, was the first person to actively promote broadcasting in Ceylon. He launched the first experimental broadcast as well as founding the Ceylon Wireless Club together with British and Ceylonese radio enthusiasts. Edward Harper has been dubbed 'the Father of Broadcasting in Ceylon.' Here are some important chapters in the story of broadcasting in Sri Lanka.

- 1926 - The opening of a Concert Studio at the Ceylon University College.
- 1927 - The installation of acoustically treated studios and an Engineering Control Room at Torrington Square, Colombo.
- 1934 - The constitution of a Wireless Broadcasting Advisory Board.  
Also, first experiments with a short wave transmission to achieve better reception in areas outside a 40-mile radius of Colombo. Construction of a Receiving Station for the reception of Empire Programmes.
- 1937 - The installation of a 3.5-5 Kw medium wave transmitter by a Ceylonese engineer.
- 1939 - The issue of a fortnightly Programme Supplement to subscriber licence holders.
- 1940 - The appointment of a Special Commission with Sir Kandiah Vaithianathan, as chairman, to report on all aspects of broadcasting.
- 1942 - Owing to war conditions, the premises at Torrington Square were vacated for occupation by the R.A.F ., and the broadcasting organisation was accommodated in a residential bungalow in Cotta Road, Borella.
- 1947 - Work commenced on a building in Torrington Square, designed to suit the needs of a modern broadcasting station. This work was completed in September, 1949.
- 1949 - Radio SEAC (South East Asia Command) was taken over for Radio Ceylon.
- 1950 - Inauguration of the Commercial Service of Radio Ceylon in September.
- 1953 - Appointment of a Commission on Broadcasting under the Chairmanship of Mr.N.E.Weerasuriya QC.
- 1954 - Completion of work on a separate two storeyed building for the Commercial Service work commenced in 1953.
- 1958 - Installation of a Medium Wave Station at Diyagama commenced.
- 1960 - Experimental Project in establishing a Regional Station in Kandy commenced.
- 1967 - Radio Ceylon became a public corporation on January 5th 1967. The Prime Minister of Ceylon Dudley Senanayake ceremonially opened the newly established Sri Lanka Broadcasting Corporation. The name 'Radio Ceylon' was changed forever when the the radio station was re-launched as the Sri Lanka Broadcasting Corporation.
- 1972 - The country became a republic under Prime Minister Sirimavo Bandaranaike. (<http://www.vernoncorea.info> via JKB, Nov 2004)

**Sri Lanka Broadcasting Corporation - SLBC**, Shortwave Services, B04 schedule. Postal address: Sri Lanka Broadcasting Corporation, P.O.Box 574, Torrington Square, Colombo 7, Sri Lanka. E-mail: <slbcweb@lanka.net>.

Domestic Services:

Start	Stop	Language	kHz	kW	Program
1000	1605	Sinhala	4870	10	Commercial Service, relaying City FM (temporarily off the air until spares arrive)
1000	1705	Sinhala	4902	10	National Service - Full Moon Days all Night Buddhist Chants extended 1705-0000
1000	1700	English	4940	10	Commercial Service
1000	1800	Tamil	5020	10	Tamil Service
2300	0300	Tamil	5020	10	Tamil Service
0300	1000	Tamil	6150	10	Tamil Service

External Services:

0025	0430	English	6005	0830	1000	Telugu	7300
0025	0430	English	9770	0830	1000	Telugu	11905
0025	0430	English	15745	1000	1130	Malayalam	7300
0030	0430	English	9770	1000	1130	Malayalam	11905
0030	0430	English	15745	1130	1330	Tamil	7300
0030	0430	Hindi	7300	1130	1330	Tamil	11905
0030	0430	Hindi	11905	1230	1550	English	6005
0035	0050	Bengali	7300	1230	1600	English	9770
0035	0050	Bengali	11905	1230	1600	English	15745
0130	0145	Bengali (Th only)	7300	1330	1530	Hindi	7300
0130	0145	Bengali (Th only)	11905	1330	1530	Hindi	11905
0800	0830	Kannada	7300	1600	1900	Sinhala	11775
0800	0830	Kannada	11905	1900	1957	English to Eu (Sa only)	*6010

Shortwave transmitters:

Ekala: 2 x 10 kW, 2 x 35 kW, 1 x 100 kW, 2 x 250 kW

6005 10 kW Non Directional

7300 10 kW Non Directional

9770 100 kW 350 degrees

11775 250/35 kW 350 degrees

11905 250/35 kW 350 degrees

15745 35 kW 350 degrees

\* Skelton (UK) 1 x 300 kW (leased airtime): 6010 kHz 300 kW 160 Degrees

(DXAsia Website via JKB, Nov 2004)

**SWEDEN:** *Radio Sweden*'s English Schedule B04. Address: S-105 10 Stockholm, Sweden.

WWW: <<http://www.radiosweden.org>> E-mail: <[info@P6.sr.se](mailto:info@P6.sr.se)> or <[radiosweden@sr.se](mailto:radiosweden@sr.se)>.

Europe/Africa/Middle East

0730-0800 MW 1179 kHz (Sundays)

1330-1430 7240 (40 ) + 11550 (85 )

1430-1500 11550 (70 )

1830-1900 6065 (140 -240 ) + MW 1179 except Sundays

2000-2030 MW 1179 except Sundays

2030-2100 6065 (140 -240 ) + 7240 (70 )

2230-2300 6065 (140 -240 ) + MW1179

Asia & Pacific

0130-0200 11550 (50 )

1330-1400 7240 (40 ) + 11550 (85 )

1430-1500 11550 (70 )

2030-2100 7240 (70 )

North America

0230-0300 6010 (268 ) via Sackville

0330-0400 6010 (277 ) via Sackville

1330-1400 15240 (305 )

1430-1500 15240 (305 ) via Sackville

[this is new; both transmissions used to be direct: oops: if 305 degrees too, this must be a mistake, really from Sweden too. GH]

Our transmissions in digital DRM continue:

1330 UT via Radio Netherlands on 7240 kHz

2330 UT via Radio Canada International on 9800 kHz

(SCDX/MediaScan, 2004 Oct 13, via WORLD OF RADIO 1249, in DXLD #4-157, October 14, 2004)



**SWITZERLAND:** *Swissinfo/Swiss Radio International (SRI)* has broadcast its last shortwave and satellite radio programmes on October 30, 2004. As SRI left the air after nearly 70 years, a chapter in Swiss radio history comes to an end. swissinfo/SRI will in future focus exclusively on its multimedia news and information platform, [www.swissinfo.org](http://www.swissinfo.org), which is available in nine languages. Swiss Radio International first broadcast to the world on shortwave in 1935. The station made a name for itself as a neutral voice of authority during the Second World War and throughout the Cold War. Programmes were broadcast in nine languages (German, French, Italian, Romansh, English, Spanish, Portuguese, Arabic and Esperanto). During this time, SRI established itself as one of the most high-profile and popular international radio broadcasters. The end of the Cold War, coupled with the advent of satellite technology and the Internet revolution, spelled the end of the shortwave era. At the end of the 1990s, and following a strategic change of direction which was approved by the Swiss government in 1999, swissinfo/SRI started to transform itself into a multimedia enterprise. The decision was taken to phase out radio output and develop an online presence, although audio reports and interviews are still available on the website. The multimedia news and information platform [www.swissinfo.org](http://www.swissinfo.org) was launched in March 1999. Today it is available in nine languages (German, French, Italian, English, Spanish, Portuguese, Arabic, Japanese and Chinese). The change of strategy has paid off: today, [www.swissinfo.org](http://www.swissinfo.org) registers around 8.5 million page views each month. Nicolas Lombard, the director of swissinfo/Swiss Radio International, admits that radio cannot be replaced. "But with our internet platform, [www.swissinfo.org](http://www.swissinfo.org), we can offer a range of information that was simply not possible on the air. What we provide today is a wide range of news and stories from and about Switzerland, presented in a way which was unthinkable in the past," said Lombard. As radio broadcasts come to an end, SRI will be broadcasting a variety of special programmes. The German Department is airing a selection of archive interviews with well-known Swiss, such as Max Frisch and Friedrich Durrenmatt. Swiss living abroad are also being given the chance to have their say on air. For the last Arabic programme, most of the department's journalists will gather around a microphone. And you can listen again to highlights from the extensive archive of programmes in English by visiting [www.swissinfo.org](http://www.swissinfo.org) and clicking on the Multimedia button. (Source: swissinfo/SRI via ©RNMN by AS October 27, 2004; via JKB)

**SYRIA:** *Radio Damascus* plans to discontinue German, at least on shortwave. Probably English is endangered as well, just not mentioned here since the source was the German programme: Radio Damaskus, German Language Department, P. O. Box 4702, Damaskus, Syrien. E-Mail: <mmhrez@shuf.com>. The German Language Department will thank you for your sending mail to stop transmission cuts. (via KLE, 2004 Oct 28, DXLID #4-164, October 28, 2004)

**TIBET:** Newest Frequencies of Voice of Tibet:

1215 to 1300 UT around 17525 kHz

1432 to 1517 UT around 15690 kHz

1532 to 1605 UT around 9395 kHz

First half hour is Tibetan language, immediately followed by 15 mins in Mandarin. via Mr. Oystein Alme, VOT director (via Eriz Zhou, 2004 Oct 26, dxldyg via DXLD #4-164)

**USA:** *WYFR* rental facilities - B04:

MERLIN				1900-2100	EN	6020
1900-2100	EN	3230		0500-0600	POR	9845
0400-0500	GE	3955	0500-0600	1800-1900	SWA	11805
1700-1800	AR	9530		VOR-VOICE OF RUSSIA [sites not specified]		
1800-1900	EN	7240		1900-2000	SP	7440
1800-1900	AR	13720		2000-2200	EN	7360
1900-2000	AR	5965		1900-2000	GE	7370
2000-2100	EN	15195		1900-2000	IT	6205
1400-1700	INDIA	15520		1700-1900	RU	7435
1700-1800	EN	21680		1900-2000	FR	7240
DTK-T-SYSTEMS [Juelich, Germany]				1300-1400	EN	7580
1700-1800	TU	9605	1800-1900	1400-1500	EN	7580
2000-2100	FR	11750		1500-1600	HI	7580
1700-1800	AR	13720		1600-1700	HI	7580
2000-2100	AR	9605		0900-1000	EN	9450
RN-MDG [Madagascar]				1000-1100	EN	9450

1100-1200 KO 9450

(via Dan Elyea - WYFR, 9/27/04, in DXLD #4-160, October 19, 2004)

Final B04 Version 2 as of 11/1/2004 of the U.S. *Federal Communications Commission - FCC*. FCC authorized US Stations are:

KAIJ Dallas, TX  
 KFBS Northern Mariana Islands, SA  
 KHBN Medorn, Aimeliik, Palau  
 (freq. advisor-US State Dep.), PL  
 KIMF Pinon, NM  
 KJES Vado, NM  
 KNLS Anchor Point, AK  
 KSDA Agat, GU  
 KTBN Salt Lake City, UT  
 KTWR Agana, GU  
 KVOH Rancho Simi, CA  
 KWHR Naalehu, HI  
 WBCQ Monticello, ME

WEWN Vandiver, AL  
 WHRA Greenbush, ME  
 WHRI Noblesville, IN  
 WINB Red Lion, PA  
 WMLK Bethel, PA  
 WRMI Miami, FL  
 WRNO New Orleans, LA  
 WSHB Furman, SC  
 WTJC Newport, NC  
 WWBS Macon, GA  
 WWCN Nashville, TN  
 WYFR Okeechobee, FL

Call	Start	Stop	Freq.	Pow	Azm	Target	Zones	Days	Stdte	Spdate
KAIJ	0000	1400	5755	100	320	2,3,34,35,45		1234567	311004	270305
KAIJ	1400	2400	13815	100	320	2,3,34,35,45		1234567	311004	270305
KFBS	0800	1200	15580	100	242	49S,50,54		1234567	311004	270305
KFBS	0800	1400	11580	100	294	42-44		1234567	311004	270305
KFBS	0900	1100	11650	100	341	30,31,43,44		1234567	311004	270305
KFBS	1100	1400	11650	100	323	30-33,42-44		1234567	311004	270305
KFBS	1230	1300	11680	100	242	49S,50,54		1234567	311004	270305
KFBS	1300	1430	12120	100	278	43S,44S,49		1234567	311004	270305
KFBS	1400	1600	9465	100	323	29-33,42-44		1234567	311004	270305
KFBS	2230	2330	12090	100	278	43S,44S,49		1234567	311004	270305
KHBN	0600	1700	9965	80	318	43,44		1234567	311004	270305
KHBN	0700	1600	9985	50	345	44,45		1234567	311004	270305
KHBN	0700	1600	15725	50	270	41,49,50,54		1234567	311004	270305
KHBN	0700	1600	15745	50	270	41,49,50,54		1234567	311004	270305
KHBN	0800	1700	9955	50	280	41,49		1234567	311004	270305
KHBN	1000	1600	12160	50	270	41,49,50,54		1234567	311004	270305
KHBN	1000	1600	13840	50	270	41,48-50,53,54		1234567	311004	270305
KHBN	2100	2400	9985	50	345	44,45		1234567	311004	270305
KHBN	2200	2400	9955	50	280	41,49		1234567	311004	270305
KHBN	2200	2400	9965	80	318	43,44		1234567	311004	270305
KJES	0200	0300	7555	50	335	2,3		1234567	311004	270305
KJES	0300	0330	7555	50	20	3,4,9		1234567	311004	270305
KJES	1400	1500	11715	50	70	3,4,9		1234567	311004	270305
KJES	1500	1600	11715	50	350	2,3		1234567	311004	270305
KJES	1600	1700	11715	50	150	10		1234567	311004	270305
KJES	1900	2000	15385	50	270	55,58,59		1234567	311004	270305
KJES	2000	2100	15385	50	100	11		1234567	311004	270305
KNLS	0800	0900	7365	100	270	24-26,34,35,44,45,50,51,5		1234567	261204	300105
KNLS	0800	0900	9690	100	270	24-26,34,35,44,45,50,51,5		1234567	261204	300105
KNLS	0800	0900	11765	100	270	24-26,34,35,44,45,50,51,5		1234567	300105	270305
KNLS	0900	1000	7365	100	300	22-26,32-35		1234567	311004	270205
KNLS	0900	1000	9690	100	300	22-26,32-35		1234567	270205	270305
KNLS	1000	1100	7355	100	285	43,44,49,54		1234567	311004	300105
KNLS	1000	1100	9615	100	285	43,44,49,54		1234567	300105	270305
KNLS	1100	1200	7365	100	300	22-26,32-35		1234567	311004	270205
KNLS	1100	1200	9690	100	300	22-26,32-35		1234567	270205	270305
KNLS	1200	1300	7355	100	285	43,44,49,54		1234567	311004	300105
KNLS	1200	1300	9615	100	285	43,44,49,54		1234567	300105	270305
KNLS	1300	1400	9615	100	270	24-26,34,35,44,45,50,51,5		1234567	311004	270305
KNLS	1400	1500	9615	100	285	43,44,49,54		1234567	311004	270305
KNLS	1500	1600	7355	100	285	43,44,49,54		1234567	311004	270305
KNLS	1600	1700	7355	100	285	43,44,49,54		1234567	311004	270205
KNLS	1600	1700	9615	100	285	43,44,49,54		1234567	270205	270305
KNLS	1700	1800	7355	100	330	22-26,32-35		1234567	311004	300105

KSDA	0000	0030	17635	100	285	49NW	1234567	311004	270305
KSDA	0000	0200	17880	100	315	43N,44N	1234567	311004	270305
KSDA	0030	0100	17635	100	285	49NW	1234567	311004	270305
KSDA	0100	0200	17635	100	300	43S,44S	1234567	311004	270305
KSDA	1000	1030	11870	100	270	50	1234567	311004	270305
KSDA	1000	1030	11900	100	315	43,44	1234567	311004	270305
KSDA	1000	1100	15260	100	300	43S,44S	1234567	311004	270305
KSDA	1000	1100	15430	100	315	43N,44N	1234567	311004	270305
KSDA	1030	1100	11870	100	270	50	1234567	311004	270305
KSDA	1030	1100	11900	100	315	43,44	1234567	311004	270305
KSDA	1100	1130	15260	100	255	54	1234567	311004	270305
KSDA	1100	1200	11895	100	330	32S,33S,43N,44N	1234567	311004	270305
KSDA	1100	1200	12120	100	300	43S,44S	1234567	311004	270305
KSDA	1100	1500	11825	100	315	43N,44N	1234567	311004	270305
KSDA	1130	1200	15260	100	255	54	1234567	311004	270305
KSDA	1200	1300	9780	100	330	44NE,45NW	1234567	311004	270305
KSDA	1200	1300	11690	100	315	43S,44S	1234567	311004	270305
KSDA	1200	1300	12120	100	300	43S,44S	1234567	311004	270305
KSDA	1300	1330	11755	100	315	45	1234567	311004	270305
KSDA	1300	1330	11980	100	345	45	1234567	311004	270305
KSDA	1300	1330	15660	100	285	41NE	1234567	311004	270305
KSDA	1330	1400	11695	100	270	49E	1234567	311004	270305
KSDA	1330	1400	11980	100	345	45	1234567	311004	270305
KSDA	1330	1400	15660	100	285	41NE	14	311004	270305
KSDA	1330	1400	15660	100	285	41NE	23567	311004	270305
KSDA	1400	1430	11940	100	285	49NW	1234567	311004	270305
KSDA	1400	1430	15660	100	270	41S	1234567	311004	270305
KSDA	1400	1500	11800	100	300	43S,44S	1234567	311004	270305
KSDA	1430	1500	11940	100	285	49NW	1234567	311004	270305
KSDA	1430	1500	15660	100	285	49NW	1234567	311004	270305
KSDA	1500	1530	11610	100	285	41NE	1234567	311004	270305
KSDA	1500	1530	11935	100	300	41NW	1234567	311004	270305
KSDA	1500	1530	11985	100	270	41S	1234567	311004	270305
KSDA	1500	1530	15185	100	285	41S	1234567	311004	270305
KSDA	1530	1600	11935	100	285	41	1234567	311004	270305
KSDA	1530	1600	11985	100	270	41S	1234567	311004	270305
KSDA	1530	1600	15185	100	285	41S	1234567	311004	270305
KSDA	1530	1600	15245	100	285	41	1234567	311004	270305
KSDA	1600	1630	11980	100	300	41N	1234567	311004	270305
KSDA	1600	1630	15480	100	285	41S	1234567	311004	270305
KSDA	1600	1630	15495	100	285	41	1234567	311004	270305
KSDA	1630	1700	11980	100	300	41N	1234567	311004	270305
KSDA	1700	1730	11560	100	300	38E,39	1234567	311004	270305
KSDA	1700	1730	11675	100	300	38E,39	1234567	311004	270305
KSDA	1730	1800	11560	100	300	38E,39	1234567	311004	270305
KSDA	1730	1800	11675	100	300	38E,39	1234567	311004	270305
KSDA	2000	2100	6045	100	330	44NE,45NW	1234567	311004	270305
KSDA	2000	2100	6195	100	315	44NE,45NW	1234567	311004	270305
KSDA	2100	2130	11980	100	345	45	1234567	311004	270305
KSDA	2100	2130	12010	100	315	45	1234567	311004	270305
KSDA	2100	2200	5985	100	315	43N,44N	1234567	311004	270305
KSDA	2100	2200	7150	100	300	43S,44S	1234567	311004	270305
KSDA	2130	2200	11980	100	345	45	1234567	311004	270305
KSDA	2130	2200	12010	100	315	45	1234567	311004	270305
KSDA	2200	2230	11850	100	255	54	1234567	311004	270305
KSDA	2200	2230	15320	100	255	54	1234567	311004	270305
KSDA	2200	2300	11685	100	330	32S,33S,43N,44N	1234567	311004	270305
KSDA	2200	2300	17880	100	315	43N,44N	1234567	311004	270305
KSDA	2230	2300	11850	100	255	54	1234567	311004	270305
KSDA	2230	2300	15320	100	255	54	1234567	311004	270305
KSDA	2300	2400	11700	100	330	32S,33S,43N,44N	1234567	311004	270305
KSDA	2300	2400	15320	100	270	49E	1234567	311004	270305
KSDA	2300	2400	17880	100	315	43N,44N	1234567	311004	270305
KTBN	0000	1600	7505	100	70	3-5,9	1234567	311004	270305
KTBN	1600	2400	15590	100	70	3-5,9	1234567	311004	270305

KTWR	0730	0900	15225	100	278	49,50,54	67	311004	270305
KTWR	0740	0900	15225	100	278	49,50,54	12345	311004	270305
KTWR	0800	0930	11840	100	165	51,55,56,58-60	23456	311004	270305
KTWR	0815	0930	11840	100	165	51,55,56,58-60	17	311004	270305
KTWR	0900	0915	15200	100	248	54	12567	311004	270305
KTWR	0900	0915	15200	100	248	54	34	311004	270305
KTWR	0900	0930	12130	100	305	43,44	1234567	311004	270305
KTWR	0915	1000	15200	100	248	54	1234567	311004	270305
KTWR	0915	1100	9910	100	320	42-44	1234567	311004	270305
KTWR	0930	1100	9865	100	315	42-44	1234567	311004	270305
KTWR	0930	1100	15330	100	255	54	1234567	311004	270305
KTWR	0930	1400	12130	100	305	42-44	1234567	311004	270305
KTWR	1000	1030	15200	100	248	54	1234567	311004	270305
KTWR	1100	1200	9635	100	285	49	1234567	311004	270305
KTWR	1100	1200	15200	100	248	54	1234567	311004	270305
KTWR	1100	1200	15275	100	255	49,54	1234567	311004	270305
KTWR	1100	1600	7455	100	320	42-44	1234567	311004	270305
KTWR	1200	1230	11895	100	293	42-44	1234567	311004	270305
KTWR	1200	1300	9975	100	285	49	1234567	311004	270305
KTWR	1215	1300	9465	100	345	45	1234567	311004	270305
KTWR	1300	1330	9975	100	315	42-44	1234567	311004	270305
KTWR	1300	1330	11695	100	278	49	1234567	311004	270305
KTWR	1330	1400	9585	100	285	49	1234567	311004	270305
KTWR	1330	1400	9975	100	315	43,44	1234567	311004	270305
KTWR	1330	1400	12080	100	293	41,49	1234567	311004	270305
KTWR	1400	1445	9920	100	278	49	1234567	311004	270305
KTWR	1400	1500	9975	100	285	43,44	1234567	311004	270305
KTWR	1400	1600	9415	100	305	42-44	1234567	311004	270305
KTWR	1445	1615	9920	100	345	44,45	1234567	311004	270305
KTWR	1500	1630	12105	100	278	41,48,49	1234567	311004	270305
KTWR	2115	2200	11690	100	345	45	1234567	311004	270305
KTWR	2200	2245	12130	100	315	42-44	1234567	311004	270305
KTWR	2230	2300	13715	100	278	49	1234567	311004	270305
KTWR	2245	2330	13630	100	315	42-44	1234567	311004	270305
KTWR	2300	2330	13690	100	305	42-44	1234567	311004	270305
KTWR	2300	2400	13765	100	293	43,44	1234567	311004	270305
KVOH	0100	0800	9975	50	100	10,11	1234567	311004	270305
KVOH	1300	1500	9975	50	100	10,11	1234567	311004	270305
KVOH	1500	0100	17775	50	100	10-12	1234567	311004	270305
KWHR	0000	0400	17510	100	300	43-45	1234567	311004	270305
KWHR	0400	0600	15220	100	300	43-45	1234567	311004	270305
KWHR	0400	0800	17780	100	300	43-45	1234567	311004	270305
KWHR	0500	1700	11565	100	225	51,55,56,58-60	1234567	311004	270305
KWHR	0600	1200	9930	100	300	43-45	1234567	311004	270305
KWHR	1200	1500	9930	100	285	41,43,44,49	1234567	311004	270305
KWHR	1500	1900	9930	100	300	41,43,44,49	1234567	311004	270305
KWHR	2200	2400	11565	100	225	51,55,56,58-60	1234567	311004	270305
KWHR	2200	2400	17510	100	285	41,43,44,49	1234567	311004	270305
WBCQ	0000	2400	5105	50	245	10,11	1234567	311004	270305
WBCQ	1200	0600	9330	50	245	10,11	1234567	311004	270305
WBCQ	1200	2300	17495	50	245	10,11	1234567	311004	270305
WBCQ	1300	1900	7415	50	245	3-5,10,11	1234567	311004	270305
WBCQ	1900	1000	7415	50	245	3-5,9-11,27	1234567	311004	270305
WBOH	0000	2400	5920	50	170	11,12	1234567	311004	270305
WEWN	0000	1300	5825	500	20	4,5,9	1234567	311004	270305
WEWN	0000	1300	5825	500	285	10	1234567	311004	270305
WEWN	0500	0800	7570	500	40	27,28	1234567	311004	270305
WEWN	0500	0800	11615	500	155	12-15	1234567	311004	270305
WEWN	0800	1300	11875	500	155	12-15	1234567	311004	270305
WEWN	1300	1400	7425	500	220	10,11	1234567	311004	270305
WEWN	1300	1600	9955	500	20	4,5,9	1234567	311004	270305
WEWN	1300	1600	9955	500	285	10	1234567	311004	270305
WEWN	1300	2300	15745	500	155	12-15	1234567	311004	270305
WEWN	1400	2300	11530	500	220	10,11	1234567	311004	270305
WEWN	1600	2000	15695	500	40	27,28	1234567	311004	270305

WEWN	1600	2200	13615	500	20	4,5,9	1234567	311004	270305
WEWN	1600	2200	13615	500	285	10	1234567	311004	270305
WEWN	2000	2200	17595	500	85	46	1234567	311004	270305
WEWN	2200	2400	9975	500	20	4,5,9	1234567	311004	270305
WEWN	2200	2400	9975	500	285	10	1234567	311004	270305
WEWN	2200	2400	15695	500	40	27,28	1234567	311004	270305
WEWN	2300	0500	11530	500	155	12-15	1234567	311004	270305
WEWN	2300	1300	7425	500	220	10,11	1234567	311004	270305
WHRA	0530	1000	7580	250	90	37,38,46-48,52,53	1234567	311004	270305
WHRA	1300	1600	17560	250	60	27-29,37-39,40,46-48	1234567	311004	270305
WHRA	1500	1900	17650	250	90	37,38,46-48,52,53	1234567	311004	270305
WHRA	1900	2200	17525	250	105	46,47,52,57	1234567	311004	270305
WHRA	1900	2300	17650	250	105	46,47,52,57	1234567	311004	270305
WHRA	2100	2300	7570	250	45	27-29,39,40	1234567	311004	270305
WHRA	2100	2400	9455	250	90	37,38,46-48,52,53	1234567	311004	270305
WHRA	2300	0530	7580	250	45	27-29,39,40	1234567	311004	270305
WINB	1100	1300	9320	50	242	10,11	1234567	311004	270305
WINB	1300	2300	13570	50	242	10,11	1234567	311004	270305
WINB	2300	0500	9320	50	242	10,11	1234567	311004	270305
WJIE	1000	2200	7490	50	155	11-13	1234567	311004	270305
WJIE	2200	1000	13595	50	55	9,27	1234567	311004	270305
WMLK	0400	0900	9265	125	53	27,28,39	1234567	311004	270305
WMLK	0400	0900	9955	125	53	27,28,39	1234567	311004	270305
WMLK	1600	2100	9265	125	53	27,28,39	234567	311004	270305
WMLK	1700	2200	15265	250	57	27,28,39	1234567	311004	270305
WRMI	0000	0600	9955	50	160	10-16	1234567	311004	270305
WRMI	0000	1300	6870	50	317	2,3	1234567	311004	270305
WRMI	0600	1000	9955	50	160	14-16	1234567	311004	270305
WRMI	1000	1300	9955	50	160	10-13	1234567	311004	270305
WRMI	1300	1600	6870	50	160	10-13	1234567	311004	270305
WRMI	1300	2400	15725	50	317	2,3	1234567	311004	270305
WRMI	1600	2100	9955	50	160	10,11	1234567	311004	270305
WRMI	2100	2400	9955	50	160	10-13	1234567	311004	270305
WRNO	0300	1600	7395	50	20	3-5,9-11	1234567	311004	270305
WRNO	1600	2300	15420	50	20	3-5,9-11,27	1234567	311004	270305
WRNO	2200	0300	7355	50	20	3-5,9-11,27	1234567	311004	270305
WSHB	0000	0100	7535	250	25	4,5,9,17,18	1234567	311004	270305
WSHB	0000	0400	9430	250	173	10-13	1234567	311004	270305
WSHB	0100	0500	5835	250	315	2,3	1234567	311004	270305
WSHB	0100	0800	7535	250	42	4,5,9,17,18,27,28,29,39	1234567	311004	270305
WSHB	0200	0500	5850	250	25	4,9,27,28	1234567	311004	270305
WSHB	0400	0500	11515	250	72	37-39,47,48	1234567	311004	270305
WSHB	0500	0600	5970	250	315	2,3	1234567	311004	270305
WSHB	0500	0600	11515	250	87	46-48,52,53	1234567	311004	270305
WSHB	0600	0700	11515	250	102	52,53,57	1234567	311004	270305
WSHB	0600	0900	5970	250	315	2,3	1234567	311004	270305
WSHB	0600	1800	5835	250	173	10,11	1234567	311004	270305
WSHB	0700	0900	9845	250	173	10-13	1234567	311004	270305
WSHB	0800	1100	5860	250	25	4,5,9,17,27	1234567	311004	270305
WSHB	0800	1300	7535	250	25	4,5,9,17	1234567	311004	270305
WSHB	0900	1100	5970	250	25	4,9	1234567	311004	270305
WSHB	0900	1400	9455	250	173	10-13	1234567	311004	270305
WSHB	1000	1300	6095	250	173	10-13	1234567	311004	270305
WSHB	1000	1300	9495	250	173	10-13	1234567	311004	270305
WSHB	1000	1600	9840	250	25	4,5,9,17	1234567	311004	270305
WSHB	1100	1600	12020	250	173	10-13	1234567	311004	270305
WSHB	1300	1500	11515	250	25	4,5,9,17	1234567	311004	270305
WSHB	1300	1900	15105	250	173	10,11,12,13	1234567	311004	270305
WSHB	1300	2200	9840	250	25	4,5,9,17	1234567	311004	250305
WSHB	1500	2100	13760	250	25	4,5,9	1234567	311004	270305
WSHB	1800	2300	11885	250	173	10-12	1234567	311004	270305
WSHB	1800	2400	9495	250	152	10-15	1234567	311004	270305
WSHB	1900	2000	15665	250	173	10,11	1234567	311004	270503
WSHB	2000	0300	15665	250	152	10-15	1234567	311004	270305
WSHB	2000	2200	11515	250	25	4,9,27,28	1234567	311004	270305

WSHB	2100	2300	7535	250	42	4,5,9,17,18,27,28,29,39	1234567	311004	270305
WSHB	2200	0400	11515	250	315	2,3	1234567	311004	270305
WSHB	2200	2400	7510	250	42	4,5,9,17,18,27,28,29,39	1234567	311004	270305
WSHB	2200	2400	15285	250	173	10,11,12,13	1234567	311004	270305
WSHB	2300	0100	5835	250	173	10,11	1234567	311004	270305
WSHB	2300	0100	7535	250	315	2,3,4	123456	311004	270305
WSHB	2300	0100	7535	250	42	4,5,9,17,18,27,28,29,38	7	311004	270305
WSHB	2300	1000	7315	250	152	10-13	1234567	311004	270305
WTJC	0000	2400	9370	50	40	4,9	1234567	311004	270305
WWBS	0000	0200	11900	50	30	3,4,9	17	311004	270305
WWCR	0000	1000	3210	100	46	4,9,27,28,37-39	1234567	010305	270305
WWCR	0000	1000	3210	100	46	4,9,27,28,37-39	1234567	311004	301104
WWCR	0000	1400	5935	100	85	36-38,46-48,57	1234567	011204	280205
WWCR	0100	1300	5935	100	85	36-38,46-48,57	1234567	311004	301104
WWCR	0100	1300	5935	100	85	36-38,46-48,57	1234567	010305	270305
WWCR	0300	1300	5765	100	90	9,11,47,52,53	1234567	011204	280205
WWCR	0400	1300	5765	100	90	9,11,47,52,53	1234567	010305	270305
WWCR	0400	1300	5765	100	90	9,11,47,52,53	1234567	311004	301104
WWCR	1000	1100	9985	100	46	4,9,27,28,37-39	1234567	011204	280205
WWCR	1000	1100	9985	100	46	4,9,27,28,37-39	1234567	010305	270305
WWCR	1000	1100	9985	100	46	4,9,27,28,37-39	1234567	311004	301104
WWCR	1100	2100	15825	100	46	4,9,27,28,37-39	1234567	011204	280205
WWCR	1100	2200	15825	100	46	4,9,27,28,37-39	1234567	311004	301104
WWCR	1100	2200	15825	100	46	4,9,27,28,37-39	1234567	010305	270305
WWCR	1300	0100	13845	100	85	36-38,46-48,57	1234567	010305	270305
WWCR	1300	0100	13845	100	85	36-38,46-48,57	1234567	311004	301104
WWCR	1300	1600	7465	100	90	9,11,47,52,53	1234567	311004	301104
WWCR	1300	1600	7465	100	90	9,11,47,52,53	1234567	011204	280205
WWCR	1300	1600	7465	100	90	9,11,47,52,53	1234567	010305	270305
WWCR	1300	1600	7465	100	90	9,11,47,52,53	1234567	010305	270305
WWCR	1300	1600	9985	100	40	4,9,27-29	1234567	011204	280205
WWCR	1300	1600	9985	100	40	4,9,27-29	1234567	311004	301104
WWCR	1300	1600	9985	100	40	4,9,27-29	1234567	010305	270305
WWCR	1400	2400	13845	100	85	36-38,46-48,57	1234567	011204	280205
WWCR	1600	2200	9985	100	90	9,11,47,52,53	1234567	311004	301104
WWCR	1600	2200	9985	100	90	9,11,47,52,53	1234567	011204	280205
WWCR	1600	2200	9985	100	90	9,11,47,52,53	1234567	010305	270305
WWCR	1600	2200	12160	100	40	4,9,27-29	1234567	011204	280205
WWCR	1600	2300	12160	100	40	4,9,27-29	1234567	010305	270305
WWCR	1600	2300	12160	100	40	4,9,27-29	1234567	311004	301104
WWCR	2100	2300	9985	100	46	4,9,27,28,37-39	1234567	011204	280205
WWCR	2200	0300	7465	100	90	9,11,47,52,53	1234567	011204	280205
WWCR	2200	0400	7465	100	90	9,11,47,52,53	1234567	010305	270305
WWCR	2200	0400	7465	100	90	9,11,47,52,53	1234567	311004	301104
WWCR	2200	1300	5070	100	40	4,9,27-29	1234567	011204	280205
WWCR	2200	2400	9985	100	46	4,9,27,28,37-39	1234567	010305	270305
WWCR	2200	2400	9985	100	46	4,9,27,28,37-39	1234567	311004	301104
WWCR	2300	1000	3210	100	46	4,9,27,28,37-39	1234567	011204	280205
WWCR	2300	1300	5070	100	40	4,9,27-29	1234567	010305	270305
WWCR	2300	1300	5070	100	40	4,9,27-29	1234567	311004	301104
WWRB	1300	2300	9320	65	45	4,9,17-21	1234567	311004	270305
WWRB	1300	2300	12170	65	90	27,28,37-39	1234567	311004	270305
WWRB	2300	0500	5745	100	0	2-4,9	1234567	311004	270305
WWRB	2300	0600	5050	65	340	3,4,23,24,44	1234567	311004	270305
WWRB	2300	0600	5085	65	45	5,9,17-21	1234567	311004	270305
WWRB	2300	0600	6890	65	90	27,28,37-39	1234567	311004	270305
WYFR	0000	0445	9505	100	315	2	1234567	311004	270305
WYFR	0045	0300	11825	100	160	14	1234567	311004	270305
WYFR	0045	0400	7570	100	160	15	1234567	311004	270305
WYFR	0100	0400	7520	100	142	13	1234567	311004	270305
WYFR	0100	0400	9525	50	285	10	1234567	311004	270305
WYFR	0100	0445	6065	100	355	4,5,9	1234567	311004	270305
WYFR	0100	0500	9985	100	151	15	1234567	311004	270305
WYFR	0145	0500	11740	100	222	11	1234567	311004	270305
WYFR	0145	0800	9680	100	315	2	1234567	311004	270305
WYFR	0300	0745	7355	100	44	27,28	1234567	311004	270305

WYFR	0300	0900	6855	100	355	4,5,9	1234567	311004	270305
WYFR	0300	1200	5950	100	285	10	1234567	311004	270305
WYFR	0400	0800	7520	100	44	27,28	1234567	311004	270305
WYFR	0400	0800	9355	100	44	27,28	1234567	311004	270305
WYFR	0400	0900	11580	100	87	47,52,57	1234567	311004	270305
WYFR	0400	1100	9715	50	285	10	1234567	311004	270305
WYFR	0445	0700	5985	100	315	2	1234567	311004	270305
WYFR	0500	0800	5810	100	44	27,39	1234567	311004	270305
WYFR	0500	0800	11530	100	44	27,28	1234567	311004	270305
WYFR	0500	0900	9985	100	87	37,46	1234567	311004	270305
WYFR	0500	1000	5850	50	181	11	1234567	311004	270305
WYFR	0500	1000	9495	100	222	11	1234567	311004	270305
WYFR	0700	0800	5985	100	315	2	1234567	311004	270305
WYFR	0800	1100	6105	100	142	15	1234567	311004	270305
WYFR	0800	1100	7455	100	315	2	1234567	311004	270305
WYFR	0800	1100	9605	100	142	13	1234567	311004	270305
WYFR	0800	1100	9680	100	140	13	1234567	311004	270305
WYFR	0800	1200	5810	100	160	14	1234567	311004	270305
WYFR	0800	1400	9555	100	160	16	1234567	311004	270305
WYFR	0800	1600	11740	100	151	15	1234567	311004	270305
WYFR	0900	1200	9575	100	160	15	1234567	311004	270305
WYFR	0900	1300	6855	100	355	4,5,9	1234567	311004	270305
WYFR	0900	1300	6890	100	355	4,5,9	1234567	311004	270305
WYFR	0945	2000	6085	100	181	11	1234567	311004	270305
WYFR	1045	1345	7355	100	315	2	1234567	311004	270305
WYFR	1100	1245	9605	100	222	12	1234567	311004	270305
WYFR	1100	1245	9705	50	285	10	1234567	311004	270305
WYFR	1100	1300	11830	100	140	13	1234567	311004	270305
WYFR	1100	1600	11725	100	222	11	1234567	311004	270305
WYFR	1145	1345	11970	100	285	10	1234567	311004	270305
WYFR	1200	1400	11530	100	160	13	1234567	311004	270305
WYFR	1200	1600	13775	100	160	15	1234567	311004	270305
WYFR	1245	1400	15355	100	222	12	1234567	311004	270305
WYFR	1245	2345	15130	50	285	10	1234567	311004	270305
WYFR	1300	1700	11830	100	315	2	1234567	311004	270305
WYFR	1300	1700	11855	100	355	4,5,9	1234567	311004	270305
WYFR	1300	1945	13695	100	355	4,5,9	1234567	311004	270305
WYFR	1345	1700	11615	100	315	2	1234567	311004	270305
WYFR	1345	1700	17760	100	285	10	1234567	311004	270305
WYFR	1400	1600	15210	100	160	14	1234567	311004	270305
WYFR	1400	1600	15355	100	142	13	1234567	311004	270305
WYFR	1400	1600	17510	100	160	13	1234567	311004	270305
WYFR	1600	1700	15665	100	44	27,28	1234567	311004	270305
WYFR	1600	1745	21745	100	44	28,29	1234567	311004	270305
WYFR	1600	1845	18930	100	44	27,28	1234567	311004	270305
WYFR	1600	1945	17690	100	87	37,46	1234567	311004	270305
WYFR	1600	1945	18980	100	44	27,28	1234567	311004	270305
WYFR	1600	2000	21455	100	44	28	1234567	311004	270305
WYFR	1700	1945	15115	100	87	47	1234567	311004	270305
WYFR	1700	2000	17760	100	44	27,28	1234567	311004	270305
WYFR	1700	2145	17510	100	285	10	1234567	311004	270305
WYFR	1700	2200	17535	100	315	2	1234567	311004	270305
WYFR	1700	2245	17575	100	140	13	1234567	311004	270305
WYFR	1800	1945	15565	100	44	27,28	1234567	311004	270305
WYFR	1845	2300	9355	100	44	27,28	1234567	311004	270305
WYFR	1945	2100	15115	100	87	46	1234567	311004	270305
WYFR	1945	2100	15440	100	355	4,5,9	1234567	311004	270305
WYFR	1945	2245	7580	100	44	15	1234567	311004	270305
WYFR	1945	2245	21525	100	87	47,52,57	1234567	311004	270305
WYFR	1945	2300	11665	100	44	27,28	1234567	311004	270305
WYFR	2000	0445	5985	50	181	11	1234567	311004	270305
WYFR	2000	0500	11855	100	222	11	1234567	311004	270305
WYFR	2000	2145	11565	100	44	27,28	1234567	311004	270305
WYFR	2000	2300	5820	100	44	27,28	1234567	311004	270305
WYFR	2100	0300	5950	100	355	4,5,9	1234567	311004	270305

WYFR	2100	2245	15565	100	87	37,46	1234567	311004	270305
WYFR	2145	0045	9690	100	142	13	1234567	311004	270305
WYFR	2145	0300	15440	100	285	10	1234567	311004	270305
WYFR	2145	2345	11740	100	315	2	1234567	311004	270305
WYFR	2245	0045	15170	100	160	15	1234567	311004	270305
WYFR	2245	0100	6085	100	355	4,5,9	1234567	311004	270305
WYFR	2245	0145	11720	100	142	13	1234567	311004	270305
WYFR	2300	0045	17845	100	160	14	1234567	311004	270305
WYFR	2300	0100	15400	100	151	15	1234567	311004	270305
WYFR	2300	0145	11885	100	140	13	1234567	311004	270305
WYFR	2300	0400	15215	100	160	16	1234567	311004	270305
WYFR	2345	0100	9715	50	285	10	1234567	311004	270305

Note Days: 1=Sunday .. 7=Saturday (FCC webpage via JKB, Nov 2004)

**WYFR** may be off the air for some weeks. Jeff White reports on behalf of the National Association of Shortwave Broadcasters (NASB): "I just got a call from Evelyn Marcy, Dan Elyea's secretary at WYFR in Okeechobee. She said that Dan wanted me to let the Board know that there has been extensive damage at the transmitter site from Hurricane Jeanne. All power is out. Power poles are broken in half across Route 98, reducing it to one lane. When Hurricane Frances hit three weeks ago, part of the roof of the transmitter building was torn off, and this time even more was torn off. They have not been able to do an assessment of damage to the transmitters and antenna field yet, but the towers are still standing. (They have 14 transmitters at this site.) There are rumours that it will take at least three weeks to restore power in the area, so WYFR is probably going to be off the air for some time. I will let you know if I get any updates." (Source: Jeff White, NASB, Sept 27, via DX LISTENING DIGEST, via ©RNMN by AS September 28, 2004; via JKB) Jeff White has received the following update from Dan Elyea at WYFR in Okeechobee, Florida, which was seriously affected by Hurricane Jeanne: "Electrical power returned to the site late Sunday afternoon. We're gradually bringing the house back up as we complete repairs in the field. We should have most services back in operation by the end of the week, but a couple of the difficult antenna repairs will probably take somewhat longer." (©RNMN by AS October 06, 2004; via JKB)

The US House of Representatives yesterday gave the government the green light to spend \$20 million a year for humanitarian aid to North Koreans inside and outside the country, and moved to make North Korean refugees eligible for asylum in the United States. The North Korean Human Rights Act, approved by voice vote, also contains \$4 million for expanding US radio broadcasts and other measures designed to promote democracy and human rights in North Korea. (©RNMN by AS October 05, 2004; via JKB)

Officials of the US Broadcasting Board of Governors (BBG) have written to employees to defend the Arabic-language *Radio Sawa* against the severe criticisms contained in the draft report by the State Department inspector general. Chairman Kenneth Tomlinson and board member Norman Pattiz told employees that Radio Sawa has achieved "some of the most important accomplishments in the history of international broadcasting." They said the two-year-old station has established "unprecedented credibility with Middle East audiences." State Department spokesman Richard Boucher said he could not comment on what he described as a preliminary document that he said is being revised to reflect fears by some officials that the wrong criteria may have been used to judge the station. (Source: VOA News via ©RNMN by AS October 14, 2004; via JKB)

Today's Washington Post carries details from a leaked draft report prepared by the State Department's inspector general which is highly critical of Radio Sawa. The newspaper says the report, based on extensive interviews in Washington and the Middle East with US officials and public diplomacy experts, was scheduled to be published in August, but publication has been repeatedly delayed. It says a copy of the draft report was supplied by a source who said he feared that the Inspector General's office was buckling under pressure and would water down the conclusions. The Broadcasting Board of Governors is reported to have vehemently protested the report, questioning its methodology and assumptions in a 49-page pre-publication rebuttal. To read the Washington Post story go to Google News and search on "Radio Sawa". (©RNMN by AS October 13, 2004; via JKB)

The US Broadcasting Board of Governors is soliciting bids to supply a mediumwave transmitter for installation in the Turk and Caicos Islands. The solicitation is for a "50 kW all solid-state MW transmitter with adjustable RF power output capable of being installed and operated in an existing facility on the Turks and Caicos Island; the



transmitter shall be a stand-alone device requiring only primary mains power, a conditioned operating environment, and a RF output load; the carrier frequency shall be 1570 kiloHertz." Turks and Caicos, a British territory, is situated roughly 90 miles (145 km) northeast of Cuba. (©RNMN by AS October 11, 2004; via JKB)

**UZBEKISTAN: Radio Tashkent** Postal address: Radio Tashkent, 49 Khorezm Street, 700047 Tashkent, Uzbekistan. E-mail: <uzradio@uzpak.uz>, Web: <http://ino.uzpak.uz>. Radio Tashkent International B04 schedule:

Language	Time UTC	Frequencies
English	0100-0130	7160, 5975, 6165
	1200-1230 & 1400-1430	9715, 5975, 6025 [1330, not 1400!!]
	2030-2100 & 2130-2200	11905, 7185, 5025
German	1935-2030	11905, 5025
Urdu	1230-1300 & 1400-1430	9715, 5975, 6025
Hindi	1300-1330 & 1430-1500	9715, 5975, 6025
Farsi	1630-1700 & 1830-1900	7285, 5885, 5950
Uzbek	0230-0330	9540, 7215,
	1550-1630 & 1730-1830	5975, 6165, 5025
	Arabic	1700-1730 & 1900-1930
Turkish	0600-0630	15330
	1700-1730	9640
Dari	0130-0200	7160, 7215, 5975, 6165
	1520-1550	7285, 5975, 6025
Pushto	0200-0230	7160, 5975
Chinese	1330-1400 & 1430-1500	5040
Uighur	1400-1430	5040

(via Swopan Chakroborty, 2004 Oct 19; GH reformatted from a somewhat confusing grid, for DXLD #4-161, October 21, 2004)

This version differs, e.g. FOUR frequencies for English 1200, 1330; Turkish frequencies don't match, etc. Which are we to believe? (GH):

English	0100-0130	7160, 5975, 6165
	1200-1230	9715, 5975, 6025, 5060
	1330-1400	9715, 5975, 6025, 5060
	2030-2100	11905, 7185, 5025
	2130-2200	11905, 7185, 5025
German	1935-2030	11905, 5025
Urdu	1230-1300	9715, 5975, 6025, 5060
	1400-1430	9715, 5975, 6025, 5060
Hindi	1300-1330	9715, 5975, 6025, 5060
	1430-1500	9715, 5975, 6025, 5060
Farsi	1630-1700	7285, 5975
	1830-1900	7285, 5885
Uzbek	0230-0330	9540, 9375, 7215, 5975
	1550-1630	9540, 7285, 5975, 6025
	1730-1830	9540, 7285, 5975, 6025
Arabic	1700-1730	7285, 5975
	1900-1930	7285, 5975
Turkish	0600-0630	15330
	1700-1730	9540
Dari	0130-0200	7160, 5975, 6165
	1520-1550	7285, 5975, 6025
Pushto	0200-0230	7160, 5975, 6165
Chinese	1330-1400	5040
	1430-1500	5040
Uighur	1400-1430	5040

(via Eric Zhou, dxldyg via DXLD #4-161, October 21, 2004)

**VATICAN: Vatican Radio** has inaugurated its news program in Arabic on the Internet.

"A commitment of high technical and editorial quality has been necessary to put into operation a system that integrates, image, sound and written texts in completely different alphabets," the station announced in a statement. With the new system, each one of the 39 language sections of the station will be able to offer its own production of news and services without having to wait for a specified transmission hour. (Source: ZENIT via ©RNMN by AS October 04, 2004; via JKB)



0400 EU 1260 6185 7335  
 1740 EU 1611 6185 7365 9585  
 Ukrainian Liturgy  
 0715 EU su,H 1611 9850 11740  
 Urdu  
 0025 AS mo,th 103.8 7335 9865

1415 AS we,su 103.8 11850 13765  
 Vespers  
 1600 EU 93,3 5885 7250 9645  
 Vietnamese  
 1315 AS 103.8 6205 17515  
 2315 AS 103.8 7305 9600

? = Original text file shows: "3.3 103.8 1", I have assumed that it should read:  
 "93.3 103.8 105" [Alan Roe]  
 (Text file via WB, re-arranged into language order by Alan Roe - WDXC, via DXLD #4-162,  
 October 22, 2004)

**ZIMBABWE:** Zimbabwean *Foreign Minister Stan Mudenge* has warned the UK, US and Netherlands to desist from supporting radio stations that are airing "daily poisonous anti-Zimbabwe propaganda" from their bases in neighbouring countries and Europe, reported the Zimbabwean state-owned The Herald paper on its web site on 30 September. He dismissed as "wicked" the broadcasts saying they are meant to destabilize Zimbabwe. Mudenge's ire was directed at programmes produced by three stations, Netherlands-backed Voice of the People, VOA-affiliated Studio 7 and London-based ShortWave Radio Africa. He said: "These three countries are destabilizing my country through these radio programmes targeted at my country. I say to the Netherlands, stop your wicked broadcasts against my country through your so-called 'Voice of the People' station". Mudenge dismissed both Studio 7 and ShortWave Radio Africa as "weapons of mass deception" that "have been unleashed against my country" by the US and UK governments respectively. He also warned the three countries against supporting the "puppet" opposition and some local NGOs saying this amounted to a "blatant interference" in Zimbabwe's internal affairs. (Source: The Herald Online web site via ©RNMN by AS September 30, 2004; via JKB)

\*\*\*\*\*

## Sources & Contributors:

Alokesh Gupta	New Delhi - India.
AS	Andrew Sennit - WRTH.
BBCM	BBC Monitoring Service, Copyright (c)
BCLNEWS.IT	BCLNEWS.IT - Palermo, Italy.
BDXC-UK	British DX Club - United Kingdom.
DXLD	Glenn Hauser's DX LISTENING DIGEST - USA.
GH	Glenn Hauser - USA.
Guenter Jacob	Germany.
JKB	Dr. Juergen Kubiak, Berlin - Germany.
KLE	Kai Ludwig, Elsterwerda - Germany.
OBSERVER	Fortnightly edition of Radio Bulgaria's Frequency Management.
RNMN	R. Netherlands Media Network ©.
Swopan Chakroborty	Kolkata - India.
WB	Wolfgang W. Bueschel, Stuttgart - Germany.

## Abbreviations: (see DX MAGAZINE 10/2004)

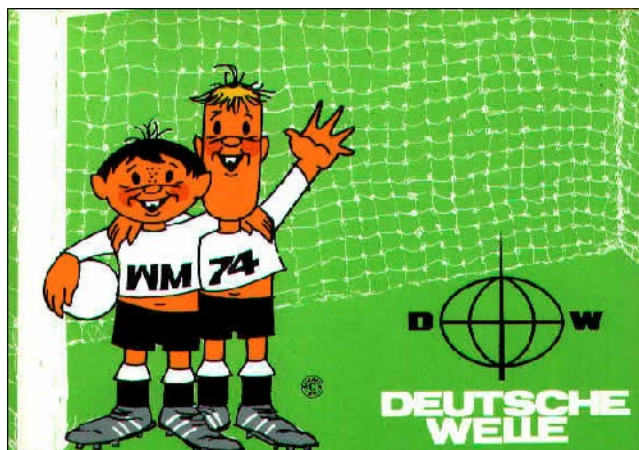
Dr. Juergen Kubiak ● Goltzstr. 19 ● D-10781 Berlin ● GERMANY  
 email:  
*Internet* j.kubiak@gmx.net or j.kubiak@web.de  
*Fidonet (To: Juergen Kubiak)* 2:2410/301.20  
 Web Page: <http://surf.to/Dr.Kubi> (V3)  
<http://home.snafu.de/j.kubiak/>



\*\*\*\*\*  
 Extracts of items sourced to ELECTRONIC DX PRESS (EDXP) may be further reproduced only by organizations or individuals which have on-going exchange arrangements with EDXP.  
 \*\*\*\*\*

0000	0100	CLN	01548	035	TRINCOMALE	SouthAsia	400
0000	0059	CLN	06030	015	TRINCOMALE	SouthAsia	250
0000	0100	D	07290	090	WERTACHTAL	SouthAsia	500
0400	0457	RRW	06180	0ND	KIGALI	East+CentralAfrica	250
0400	0457	RRW	09545	030	KIGALI	MiddleEast/EastAfrica	250
0400	0459	D	09710	150	WERTACHTAL	East+SouthAfrica	500
0500	0600	D	07285	165	WERTACHTAL	East+CentralAfrica	500
0500	0557	RRW	09565	0ND	KIGALI	East+CentralAfrica	250
0500	0600	RRW	12035	180	KIGALI	Central+SouthAfrica	250
0500	0600	UAE	15410	230	DHABAYYA	East+SouthAfrica	250
0600	0700	D	06140	175	JUELICH	Europe	100
0600	0700	POR	07225	150	SINES	WestAfrica	250
0600	0700	D	07225	210	WERTACHTAL	WestAfrica	500
0600	0700	D	11785	195	WERTACHTAL	WestAfrica	500
0600	0700	RRW	15410	295	KIGALI	WestAfrica	250
0700	1000	D	06140	175	JUELICH	Europe	100
1300	1600	D	06140	175	JUELICH	Europe	100
1600	1700	CLN	01548	035	TRINCOMALE	SouthAsia	400
1600	1659	CLN	06170	015	TRINCOMALE	SouthAsia	250
1600	1659	CLN	07225	345	TRINCOMALE	SouthAsia	125
1600	1700	D	11695	090	WERTACHTAL	SouthAsia	500
1900	1957	RRW	06180	0ND	KIGALI	East+CentralAfrica	250
1900	1957	POR	11865	110	SINES	East+CentralAfrica	250
1900	1959	D	13780	135	WERTACHTAL	East+CentralAfrica	500
1900	1957	POR	17800	125	SINES	East+CentralAfrica	250
2000	2059	CLN	12025	240	TRINCOMALE	Central+SouthAfrica	250
2000	2100	D	13780	150	WERTACHTAL	Central+SouthAfrica	500
2000	2100	D	15205	165	WERTACHTAL	Central+SouthAfrica	500
2000	2100	CLN	15410	285	TRINCOMALE	Central+SouthAfrica	250
2100	2200	D	09615	210	WERTACHTAL	WestAfrica	500
2100	2200	CLN	13780	270	TRINCOMALE	WestAfrica	250
2100	2200	RRW	15410	295	KIGALI	WestAfrica	250
2200	2259	CLN	06180	060	TRINCOMALE	EastAsia	250
2200	2300	KAZ	06225	094	ALMATY	EastAsia	500
2300	0000	CLN	07250	075	TRINCOMALE	South-EastAsia	250
2300	0000	CLN	09815	105	TRINCOMALE	South-EastAsia	250
2300	0000	RRW	12035	085	KIGALI	South-EastAsia	250

DEUTSCHE WELLE Technical Advisory Service 53110 Bonn Germany Tel.: 0228-429-3208 Fax: 0228-429-3220 e-mail: tb@dw-world.de





# DX LOGBOOK

## Logs around the clock

by Ashok Kumar Bose, Apt. #634, 3420 Morning Star Drive, Mississauga, ON, L4T 1X9, Canada  
E-Mail: logbook@wwdxc.de

### MEDIUMWAVE BAND

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
603.0	0455	232	CYP	CBC,Nicosia	English	News for Tourists	1010	MF
900.0	0315	333	I	RAI 1,Milano	German	News	1010	MF
945.0	0305	211	G	Radio South Coast	English	ID,South Coast Festival	1010	MF
963.0	0530	222	G	Asian Sound	English	News on Thailand	1010	MF
999.0	0540	333	G	Gem AM	English	Jingles	1010	MF
1179.0	0255	333	ROU	Radio Roumania 1	Roumanian	News,Music	1010	MF
1080.0	0550	333	E	SER La Coruna	Spanish	Talks	1010	MF
1152.0	0145	222	G	Radio Great North	English	Port News	3009	MF
1260.0	0555	222	G	Marcher Gold	English	Wexham UK Radio	1010	MF
1260.0	0245	222	E	SER Murcia	Spanish	Bullfight	1010	MF
1287.0	0230	322	E	SER Lugo	Spanish	Culture	1110	MF
1305.0	0100	211	G	Magic Brimsley	English	Jesus	3009	MF
1323.0	0035	222	G	Radio Somerset Sound	English	English Part of France	3009	MF
1368.0	1730	222	G	BBC Southern Counties Radio	English	Cricket News	0710	MF
1548.0	0125	211	G	Capital Gold	English	ID,Music	3009	MF
1566.0	0320	322	G	BBC Three County Radio	English	Barnsley News	0710	MF
1602.0	0215	322	G	BBC,Radio Kent	English	Potatoes	3009	MF

### TROPICAL BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
3240.6	0240	222	HND	Radio Luz y Vida	English	Relg. program about youth baseball	1511	RAD
3291.2	0220	222	GUY	Voice of Guyana	English	Religious program	1511	RAD
3335.0	1052	322	PNG	Radio East Sepik	English	ID,News,Pop songs	0610	RAD
3385.0	1044	322	PNG	Radio East New Britain	Pidgin	Talks	2809	RAD
3905.0	1051	222	PNG	Radio New Ireland	English	News	2809	RAD
4052.5	0246	211	GTM	Radio Verdad	Spanish	Music with ID	1610	RAD
4460.0	1120	211	CHN	CNR1	Chinese	Talks	1511	RAD
4750.0	0228	211	SDN	Radio Peace	English	Religious program	0510	RAD
4750.0	2140	222	INS	RRI,Makassar	Indonesian	Talks	1411	RAD
4760.0	2151	211	LBR	ELWA	English	Religious talks	1511	RAD
4783.0	2200	211	MLI	RDTV Malienne	French	Talks,music,ID and TC	1411	RAD
4815.0	1045	322	EOA	Radio Buen Pastor	Spanish	ID,Inspirational music	0911	RAD
4835.4	1047	111	PRU	Radio Maranon	Spanish	Talks,ID,Anns.	1611	RAD
4845.0	0120	322	MTN	Radio Mauritanie	Arabic	Music,Talks,ID	1610	RAD

4869.2	1046	211	EOA	La Voz del Upano	Spanish	Religious talks,ID	1511	RAD
4902.5	2232	211	BOL	Radio San Miguel	Spanish	Talks,ID and Tc	1511	rAD
4905.0	2236	211	CHN	Xizang PBS	Tibetan	Talks and music	1511	RAD
4910.0	0245	333	ZMB	Zambia BC	English	ID and Talk	3009	RAD
4955.0	2320	211	PRU	Radio Cultural Amauta	Spanish	Talks,ID and TC	1411	RAD
4990.0	0417	222	SRM	Radio Apintie	Dutch	Talks,pop music Elvis "In the Ghetto"	1511	RAD
5005.4	1137	211	NPL	Radio Nepal	Nepalese	Flute music	1611	RAD
5010.0	0257	222	MDG	Radio Nacional Malagasy	Malagasy	ID,Anns,National Anthem	1611	RAD
5019.9	0002	211	PRU	Radio Horizonte	Spanish	Talks,ID,TC	0510	RAD
5030.0	2230	322	BFA	Radiodiffusion TV Burkina	French	Highlife music and vocals	1909	RAD
5035.1	2248	433	B	Radio Aparcedia	Portugese	Talks,Time pips and ID	1411	RAD
5040.4	1108	211	BRM	Radio Myanmar	Burmese	Flutes and Talks	1611	RAD
5045.0	0007	222	B	Radio Guaruja Paulista	Portugese	Pop vocals,Jingle Ids	2809	RAD

### SHORTWAVE BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
5815.0	0002	322	DEN	World Music Radio	English	ID and oldies	2009	RAD
5890.0	0040	554	USA	Radio Thailand	English	Business News	2709	RL
5939.4	2305	211	PRU	Radio Melodia	Spanish	Talks	1411	RAD
5950.0	0330	333	ISR	Reshet Delet	Arabic	ID,Music	1110	MF
5952.5	0210	211	BOL	Radio Pio Doce	Spanish	Talk,ID's and Latin vocals	0210	RAD
6005.0	0310	322	ASC	BBC World Service	English	ID,News	1610	RAD
6020.0	1104	534	AUS	Radio Australia	English	Asia Pacific	2309	RL
6035.0	0302	222	BOT	VOA	English	Daybreak Afrika	1011	RAD
6040.0	0221	211	B	Radio Clube paranaense	Portugese	ID,Sports Program	1911	RAD
6055.0	2032	211	RRW	Radio Rwanda	French	Talks and pop vocals	1511	RAD
6055.0	1156	211	J	Radio Nikkei	Japanese	Music,Talks & ID	1611	RAD
6080.0	1530	535	AUS	Radio Australia	English	Media Report	2810	RL
6145.0	0010	333	CAN	Radio Japan,NHK	English	ID,News	1010	MF
6150.0	0205	333	USA	KVOH	English	You know what Jesus can	1010	MF
6155.0	0055	333	NGR	Radio Niamey	Vernacular	ID,Program	1010	MF
6165.0	2044	322	TCD	RTV Chadienne,N'djamena	French	Highlife vocals,ID	1511	RAD
6185.0	0020	332	ASC	RAI	Italian	ID<news	1010	MF
6190.0	2257	211	D	DLF	German	ID and News	2209	RAD
6870.0	0559	454	USA	WRMI	English	Christian Media Network	0210	RL
7120.0	2000	322	MDG	Radio Nederland	English	Mailbag	1110	MF
7160.0	2030	333	AFS	RFI	French	African music,ID	1110	MF
7170.0	2035	322	AFS	AWR	English	Wavescan	1110	MF
7185.0	1720	322	ISR	Reshet Delet	Arabic	ID,Program	1210	MF
7240.0	1552	555	AUS	Radio Australia	English	Asia Pacific Health Report	2510	RL
7305.0	0308	534	CVA	Vatican Radio	English	Latin Lover	2909	RL
7335.0	0310	433	CVA	Radio Vatican	Ukranian	Program	0410	RAD
7345.0	0127	535	SVK	Radio Slovakia Intl.,	English	Program	0111	RL
7345.0	0419	434	SVK	Radio Prague	English	Mailbox	0111	RL
7490.0	2350	454	USA	WJIE	English	Harmony Notebook Bible study	2709	RL
7545.0	0344	554	UKR	Radio Ukraine Intl.,	English	Answering Listeners letters	2609	RL
7520.0	1130	554	USA	WEWN	English	Holy Rosary	0410	RL

9290.0	2138	222	LVA	European Music Radio	English	Rock Music program	2509	RAD
9505.0	0030	333	CLN	Deutsche Welle	English	Money Report	1410	MF
9535.0	1722	545	CAN	Radio Japan	English	Japan & the World	0510	RL
9535.0	2100	333	IRN	IRIB	Russian	Al Aksor Brigade	0810	MF
9545.0	0431	454	D	Deutsche Welle	English	Mailbag	0111	RL
9560.0	0220	554	CAN	Radio Korea Intl.,	English	World Wide Friendship	2609	RL
9610.0	2206	333	TWN	Radio Taipei Intl.,	Chinese	ID and music	2209	RAD
9620.0	2220	222	PHL	VOA	Indonesian	Program	2209	RAD
9630.0	0453	444	D	Deutsche Welle	English	Living Planet	0110	RL
9695.0	1900	333	SWZ	TWR	Vernaculars	Program for Nigeria	0310	MF
9700.0	2348	545	BUL	Radio Bulgaria	English	Radio Bulgaria Calling	2910	RL
9704.2	0258	322	ETH	Radio Ethiopia	Amharic	ID<talks,News	2809	RAD
9710.0	1655	454	AUS	Radio Australia	English	Classic FM	3009	RL
9720.0	2320	222	AUS	Radio Taiwan	Thai	ID,Program	0910	MF
9765.0	2250	322	KAZ	CRI	Chinese	ID,Program	0910	MF
9770.0	2215	322	CAN	RKI	Korean	Program on North Korea,ID	0910	MF
9790.0	0246	554	HUN	Radio Budapest	English	Inside Central Europe	3009	RL
9795.0	0202	544	G	Wales Radio Intl.,	English	Celtic Notes	2509	RL
9805.0	1552	454	AUS	Radio Australia	English	National Interest	2609	RL
9815.0	1930	333	BOT	VOA	French	African News,Israel	0310	MF
9830.0	2245	554	TUR	Voice of Turkey	English	Culture Parade	3009	RL
9875.0	0052	555	LTU	Radio Vilnius	English	Record Oil Price	0411	RL
9885.0	2332	434	SUI	SRI	English	Assignment Switzerland	3009	RL
9885.0	0320	333	USA	WWBS	English	Africans in US	1410	MF
9965.0	1926	211	ARM	Voice of Armenia	English	News,Anns	1511	RAD
9975.0	2344	554	USA	WEWN	English	Catholic Jutebox	2909	RL
11500.0	1755	454	BUL	Radio Bulgaria	English	Events & Development	0110	RL
11635.0	2215	554	NLA	RVI via Bonaire relay	English	Radio World	0310	RL
11690.0	1600	333	JOR	Radio Jordan	English	News in brief	0110	MF
11775.0	2010	333	KOR	Radio Korea Intl.,	Spanish	Colourful Political Program	0810	MF
11880.0	1722	454	AUS	Radio Australia	English	Australia Talksback	2709	RL
11905.0	2335	454	SUI	SRI	English	The test of Time	0410	RL
11940.0	1729	454	CHN	CRI	English	Business News	0110	RL
12019.9	1234	322	VTN	Voice of Vietnam	English	Local News,ID,World News	1511	RAD
13615.0	1631	555	USA	WEWN	English	Reasons for faith live	0211	RL
15150.0	1800	333	INS	RRI	German	Gurrencies	0810	MF
15180.0	1820	323	CYP	BBC	French	Talks	0810	MF
15195.0	1520	232	GUM	AWR – Guam	English	Religious Program	0110	MF
15315.0	2056	554	NLA	Radio Nederaland	English	Europe Unzipped	2509	RL
15435.0	1510	333	ARS	Call of Islam	Arabic	Program	0110	MF
15515.0	1735	454	D	SRI via Juelich	English	Assignment Switzerland	2810	RL
15745.0	2230	454	USA	WEWN	English	Catholic Jutebox	1004	RL
15825.0	2059	454	USA	WWCR	English	Great Prayers of the Bible	0110	RL
17585.0	1000	323	UAE	Radio Japan,NHK	English	Mobile phone	1010	MF
17615.0	1020	322	ARS	BSKSA	Arabic	Talk about Iraq	1010	MF
17720.0	1424	433	G	Radio Solh via Wofferton	Dari	Talks	2410	RAD
17815.0	1729	333	ASC	UN Radio	English	News,Features	0411	RAD

\*\*\*\*\*

**Thanks a lot to our club members for your contributions:**

MF : Michael Frese, Osnabrueck, Germany. SONY ICF SW 7600G with SONY LP1 antenna.

RAD : Richard A. D'Angelo, Wyomissing, USA. Ten-Tac RX-340, Drake R-8B, Lowe HF-150 with Alpha Delta DX Sloper, Datong FL3, JPS ANC-4

RL : Richard Lemke, St Albert, Alberta, Canada. JRC NRD-535 HF with random long wires

\*\*\*\*\*

Dear Friends,

Welcome to the November edition.

The end of October saw the demise of another popular broadcaster on short waves i.e. Swiss Radio International. Fond memories of the TWO BOBS hosting the Short Wave show are now items of posterity.

Winter has set in the northern hemisphere and with the time change the nights have become more longer. May it is a good time now to catch the remaining stations on shortwave before they also bow down to the internet and back out.

Till next issue it's 73's from your Editor,

*Ashok Kumar Bose*

\*\*\*\*\*

## **QSL CORNER**

**Editor: Richard Lemke, 60 Butterfield Crescent, St. Albert, Alberta, T8N 2W7, CANADA**

Country	Station	QSL	Time	ORG	Remarks	OM
Afghanistan	Salaam Watandar	e-mail	6 days	11.795	from David Trilling Program Associate.	RAD
Brazil	Radio Paranaense	letter	33 ds	6.040	v/s Marisa Ap.Zanon.	RAD
Canada	Radio Japan Sackville	f/d cd	49 ds	6120	Report was for 9690 Yamata site.	RAD
Clandestine	Radio Nacional de la RASD	returned		7460	returned to me "non recrame".	RAD
England	Leading the way Rampisham	f/d cd	41 days	15495	from Adam Asher Wattenbarger	RAD
India (Goa)	All India Radio Panaji	f/d cd	129 ds	9810	v/s Y.K. Sharma	RAD
India	All India Radio Bangalore	f/d cd	39 ds	15075	v/s Y.K. Sharma	RAD
Russia	Radio Ezra via Krasnodar	f/d C	10 ds	17590	v/s John D. Hill, Station Owner.	RAD
USA	WWRB	f/d C	29 ds	5050	v/s Angela Frantz.	RAD

**Thanks to our Reporter:**

RAD = Richard A. D'Angelo, Wyomissing, PA, USA. Drake R-8B, Lowe HF-150, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4.



# SWL / Media Programs in English, German & Spanish

Oct. 31st 2004 - Mar. 27th, 2005 — V02 As of Nov. 10th, 2004

© 2004 by WORLDWIDE DX CLUB, Germany.

E-mail: mail@wwdxc.de URL: <http://www.wwdxc.de>

DX & Media news, receiver reviews, radio features, letterbox programmes, tuning tips, propagation, satellites, computers, amateur radio and radio theory.

**2<sup>nd</sup>** Figures behind language symbols E, G or Sp, indicate weeks of the month. Times and days in UTC.

STL —Satellite transmission.

## Monday

0008 RNW Radio Enlace, Sp —9895 15315  
STL TelStar V AM

0030 DW Cologne, E, **4<sup>th/last</sup>** —1548 6030 7290

0105 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —  
6190 9755 9810 AS/CHN STL Hotbird No&LatAM  
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /  
AS / PAC / WRN1 TelStar-12 SoAM

0200 WBCQ, E, World of Radio —9330Lsb

0208 RNW Radio Enlace, Sp —6165 9590 9895

0215 Radio Budapest, E, DX Corner —9775

0305 WWCN Nashville, E, Cyberline —3210

0330 WRMI Miami (World of Radio), E —6870

0330 WHRA, E, DXwCumbre —7580

0345 Radio Budapest, E, DX Corner —9775

0400 WBCQ, E, World of Radio —9330Lsb

0400 WRMI Miami (AWR Wavescan), E —6870

0430 WRMI Miami (DX PartyLine), E —6870

0430 WHRI South Bend [WSHB], E, DXwCumbre —7315

0430 DW Cologne, E, **4<sup>th/last</sup>** —6180 9545 9710

0500 RVI Brussels via Bonaire, E —9590 STL

0530 WBCQ, E, World of Radio —7415

0630 DW Cologne, E, **4<sup>th/last</sup>** —  
6140 7245 11785 15410 21675

0800 RVI Brussels, E —1512 5965 STL

0830 Radio NZL Internat., E, alternate weeks —9885

0910 Radio Slovakia Internat., G, —5915 6055

1000 WRMI Miami (WAR Wavescan), E —9955

1130 Radio NZL Internat., E, alternate weeks —15530

1330 Radio NZL Internat., E, alternate weeks —9870

1330 WWCN Nashville, E, Ask WWCN —15825

1530 Radio NZL Internat., E, alternate weeks —9870

1530 RCI Montreal, E, Media Zone —  
5985 9635 11730 SoAS/IND STL Hotbird EUR

1830 RCI Montreal, E, Media Zone —  
5850 7185 9770 11875 15140 STL Hotbird  
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /  
AS / PAC / WRN1 TelStar-12 SoAM

1900 Amateur Radio Mirror, Channel Africa, E —  
3215 7082usb

2025 REE Madrid, E —9595 9680 EUR / AF

2050 Radio Budapest, G —3975 6025

2100 WWCN Nashville, E, DX Radio School —15825  
[Nov/Mar]  
[9985 Dec-Feb]

2130 RCI Montreal, E, Media Zone —  
5850 9770 STL Hotbird  
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /  
AS / PAC / WRN1 TelStar-12 SoAM

2130 RAE Buenos Aires, G —9690 15345

2200 WBCQ, E, Jean Shephard —7415

2230 RCI Montreal, E, Media Zone —  
6160 7195 9730 CHN/SoEaAS STL Hotbird EUR

2230 WHRI [WSHB], E, Radio Weather —13760

2230 WBCQ, E, Operator's Choice —5105

2300 WBCQ, E, Radio Weather —7415

## Tuesday

0000 WBCQ, E, Allan Weiner WW —9330Lsb

0330 Radio NZL Internat., E, alternate weeks —17675

1000 WRMI Miami (WoR), E —9955

1030 WWCN Nashville, E, DX Party Line —9985

1305 RCI Montreal, E, Media Zone —  
9670 11730 Asia/CHN STL Hotbird EUR

1530 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —  
5985 9635 11730 SoAS/IND STL Hotbird EUR

1800 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —  
5850 7185 9770 11875 15140 STL Hotbird  
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /  
AS / PAC / WRN1 TelStar-12 SoAM

1825 Radio Polonia Warsaw, E —7265 7270  
WRN STL EUR  
WRN1 TelStar-12 SoAM

1850 Radio Budapest, G —3975 6025

1900 Voice of Russia Moscow, G —  
603 1215 1323 1386 6145 7300

1900 Radio Cairo, G —9990

1940 Radio Tashkent, G **1<sup>st</sup> 3<sup>rd</sup>** —5025 11905

2000 Radio Bulgaria Sofia, G —5800 7500 EUR

2105 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —  
5850 9770 STL Hotbird  
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /

## AS / PAC / WRN1 TelStar-12 SoAM

2105 RHC Habana, E —9505 11760  
 2130 RAE Buenos Aires, G —9690 15345  
 2200 WBCQ, E, World of Radio —9330Lsb  
 2200 WBCQ, E, Operator's Choice —5105  
 2230 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —  
 6160 7195 9730 CHN/SoEaAS STL Hotbird EUR  
 2230 WWCR Nashville, Sp, Mundo Radial —9985  
 2315 RAE Buenos Aires, Sp —6060 15345  
 2337 RHC Habana, E —9550

**Wednesday**

0000 WBCQ, E, Allan Weiner WW —9330Lsb  
 0135 RHC Habana, E —6000 9820  
 0335 RHC Habana, E —6000 9820  
 0535 RHC Habana, E —9550 9655 9820 11760  
 1000 WRMI Miami (Wavescan/WoR/DXPL), E —9955  
 1030 WWCR Nashville, E, World of Radio —9985  
 1100 Voice of Russia Moscow, G —603 1323 1386  
 1130 Radio Bulgaria Sofia, G —11700 15700 EUR  
 1305 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —  
 9670 11730 Asia/CHN STL Hotbird EUR  
 1530 RCI Montreal, E, Mailbag —  
 5985 9635 11730 SoAS/IND STL Hotbird EUR  
 1845 Radio UKR Internat. Kiev, G, fortnightly —7555  
 1845 RAE Buenos Aires, E, Dxers Special —9690 15345  
 2030 WWCR Nashville, E, Ask WWCR —15825  
 2050 Radio Budapest, G —3975 6025  
 2145 Radio UKR Internat. Kiev, G, fortnightly —7555  
 2200 WBCQ, E, World of Radio —9330Lsb  
 2200 WBCQ, E, Operator's Choice —5105  
 2300 WBCQ, E, World of Radio —7415

**Thursday**

0000 WBCQ, E, World of Radio —17495Usb  
 0000 WBCQ, E, Allan Weiner WW —9330Lsb  
 0000 WBCQ, E, Off the hook —7415  
 0045 Radio UKR Internat. Kiev, G, fortnightly —5840  
 0130 Radio Australia, E, Media Report —9660 12080 13630  
 15240 15415 17750 17795 21725  
 0245 RAE Buenos Aires, E, Dxers Special —11710  
 0600 Radio Bulgaria Sofia, G —9500 11500 EUR  
 1000 WRMI Miami (Wavescan/WoR/DXPL), E —9955  
 1030 Radio Australia, E, Media Report —5995 6020 9580  
 9590 9710 11880 12080 15415  
 1030 WWCR Nashville, E, DX Radio School —9985  
 1325 Radio Polonia Warsaw, E —9525 11850 STL

1530 Radio Australia, E, Media Report —  
 5995 6080 7260 9475 9590 9805 11660  
 1600 Voice of Russia Moscow, G —  
 603 1215 1323 1386 6145 7300  
 1815 WWCR Nashville, E, Ask WWCR —15825  
 1935 Radio Tashkent, G —5025 11905  
 2100 WWCR Nashville, E, DX Party Line —15825 [Nov/Mar]  
 [9985 Dec-Feb]  
 2130 WWCR Nashville, E, World of Radio —15825 [Nov/Mar]  
 [9985 Dec-Feb]  
 2200 WBCQ, E, World of Radio —9330Lsb  
 2200 WBCQ, E, Radio Weather —7415  
 2200 WBCQ, E, Operator's Choice —5105

**Friday**

0000 WBCQ, E, Allan Weiner WW —9330Lsb  
 0105 Radio Tashkent, E, after 3<sup>rd</sup> Sat —  
 5975 6165 7160  
 1000 WRMI Miami (Wavescan/WoR/DXPL), E —9955  
 1045 WWCR Nashville, E, Ask WWCR —9985  
 1200 WRN on Internet, E, World of Radio on-demand start  
 1330 BBC R4, World in Your Ear / Feedback, E —  
 LW 198, MW, FM, DAB, STL  
 1700 WRN on Internet, E, World of Radio committed  
 1845 RAE Buenos Aires, E, Dxers Special —9690 15345  
 2020 Radio Budapest, E, DX Corner —3975 6025  
 STL WRN  
 WorldSpace Afristar AF / AsiaSat / AsiaStar AS/Pac  
 WRN1 TelStar-12 SoAM  
 2100 WBCQ, E, World of Radio —9330Lsb  
 2130 WWCR Nashville, E, Ask WWCR —15825 [Nov/Mar]  
 [9985 Dec-Feb]  
 2130 RAE Buenos Aires, G —9690 15345  
 2200 WHRA, E, DXwCumbre —17650 AF / EUR  
 2200 WBCQ, E, Operator's Choice —5105  
 2215 WWCR Nashville, Sp, Mundo Radial —9985  
 2220 Radio Budapest, E, DX Corner —6025 12010  
 2238 Radio Bulgaria Sofia, E —5800 7500 EUR  
 2328 RNW Radio Enlace, Sp —9895

**Saturday**

0000 Studio-X Italy, E, World of Radio —1584, FM  
 0038 Radio Bulgaria Sofia, E —7400 9700 NoAM  
 0100 WBCQ, E, Allan Weiner Live —5105 7415  
 0105 Radio Tashkent, E, after 3<sup>rd</sup> Sat —5975 6165 7160  
 0128 RNW Radio Enlace, Sp —9895 15315  
 0220 Radio Budapest, E, DX Corner —9775  
 0245 RAE Buenos Aires, E, Dxers Special —11710  
 0328 RNW Radio Enlace, Sp —9895

0338 Radio Bulgaria Sofia, E —7400 9700 NoAM  
 0350 Radio Budapest, E, DX Corner —9775  
 0430 KWHR Naalehu Hawaii, E, DXwCumbre —17780  
 0600 WHRI South Bend [WSHB], E, DXwCumbre —  
 7315 7535  
 0600 KWHR Naalehu Hawaii, E, Radio Weather —17780  
 0700 HCJB Quito, G —9765 21455usb EUR  
 0745 RKI Seoul, G —15210 AS/EUR  
 0800 KWHR Naalehu Hawaii, E, DXwCumbre —11565  
 0810 RKI Seoul, E —9570 9640 [13670] AS  
 0830 WHRI South Bend [WSHB], E, DXwCumbre —  
 7315 7535  
 0830 HCA/HCJB Australia, E, DX Party Line —11750 PAC  
 0900 WRN1, E, World of Radio —STL Astra/Hotbird  
 Euromax EUR/ME/AF  
 AfriStar AF / AsiaSat / AsiaStar AS/Pac  
 0910 DW Cologne, G, except **1<sup>st</sup>**  
 0945 WWCN Nashville, E, Ask WWCN —5070  
 1000 KWHR Naalehu Hawaii, E, DXwCumbre —11565  
 1010 RKI Seoul, Sp, Antena de la Amistad —  
 9580 11795CAN 15210  
 1100 Voice of Russia Moscow, G —603 1323 1386  
 1105 REE Madrid, Sp, Amigos de la O.C. —9660 JPN  
 13720 15585 21540 21570 21610 EUR  
 1130 WWCN Nashville, E, World of Radio —5070  
 1130 WHRI South Bend [WSHB], E, Radio Weather —9840  
 1200 HCA/HCJB Australia, E, DX Party Line —15425 SoEaAS  
 1210 RKI Seoul, E —9650CAN NoAM  
 1227 RRI Bucharest, G —9610 9690 11730 11940  
 1230 HCJB Quito, E, DX Party Line —12005 21455usb NoAM  
 1245 Voice of Turkey, G, fortnightly —17700  
 1300 WHRI South Bend [WSHB], E, Radio Weather —9495  
 1310 DW Cologne, G, except **1<sup>st</sup>**  
 1310 RKI Seoul, E —9570 13670 AS  
 1326 WHRI South Bend, E, DXwCumbre —15105  
 1335 Radio Tashkent, E, **2<sup>nd</sup>** —5975 6025 9715  
 1345 Voice of Turkey, E, fortnightly —15155 15195  
 1500 HCA/HCJB Australia, E, DX Party Line —15390 AS  
 1530 WWCN Nashville, E, DX Party Line —9985  
 1600 WHRI South Bend, E, DXwCumbre —13760  
 1604 SR2 Saarebruck, Medienwelt, G —  
 FM, STL Astra ADR, DAB-S  
 1605 DeutschlandFunk Cologne, G, Media Magazine  
 1610 RKI Seoul, E —5975 9870 AS  
 1651 RKI Seoul, G —7275 AS  
 1710 DW Cologne, G, except **1<sup>st</sup>**  
 1730 RSCG Belgrade, G, fortnightly —6100  
 1730 RKI Seoul, G —STL WRN2 Astra EuroMax/Hotbird EUR /  
 WRN2 AfriStar AF  
 1800 Voice of Russia Moscow, G —603 1215 1323 1386

6235 7300  
 1805 REE Madrid, Sp, Amigos de la O.C. —17755 AF  
 1830 Voice of Turkey, G, fortnightly —7205  
 1830 WHRI South Bend [WSHB], E, Radio Weather —13760  
 1910 RKI Seoul, E —5975 7275 AS  
 1911 RRI Bucharest, G —6140 7140  
 1945 Voice of Turkey, E, fortnightly —6055  
 2000 Radio Bulgaria Sofia, G —5800 7500 EUR  
 2030 WHRI South Bend, E, DXwCumbre —15665  
 2030 Radio Belarus Minsk, G —1170 7105 7340  
 2035 Radio Tashkent, E, **2<sup>nd</sup>** —5025 7185 11905  
 2051 RKI Seoul via Skelton, G —3955 EUR  
 2100 WBCQ, E, Radio Weather —9330Lsb  
 2105 RHC Habana, E —9505 11760  
 2110 RKI Seoul via Skelton, E —3955 EUR  
 2110 DW Cologne, G, except **1<sup>st</sup>**  
 2130 WWCN Nashville, E, World of Radio —12160  
 2130 WBCQ, E, World of Radio —17495usb  
 2130 Radio Belarus Minsk, G —1170 7105 7340  
 2135 Radio Tashkent, E, **2<sup>nd</sup>** —5025 7185 11905  
 2145 Voice of Turkey, E, fortnightly —9525  
 2218 Radio UKR Internat. Kiev, E —5840  
 2225 REE Madrid, E —9595 9680 EUR / AF  
 2235 RCI Montreal, E, Media Zone —  
 6160 7195 9730 CHN/SoEaAS STL Hotbird EUR  
 2300 WBCQ, Allan Weiner WW, E —9330Lsb  
 2315 Voice of Turkey, E, fortnightly —7275  
 2337 RHC Habana, E —9550

## Sunday

0000 WBCQ, Real Amateur Radio Show, E, —7415  
 0025 REE Madrid, E —6055  
 0030 WBCQ, E, World of Radio —9330Lsb  
 0030 WHRI South Bend [WSHB], E, Radio Weather —7535  
 0045 WWCN Nashville, E, Ask WWCN —3210  
 0105 REE Madrid, Sp, Amigos de la O.C. —6055 6125  
 9535 9620 11815 11945 LatAM  
 0110 DW Cologne, G, except **1<sup>st</sup>**  
 0118 Radio UKR Internat. Kiev, E —7440  
 0130 WHRI South Bend [WSHB], E, DXwCumbre —7315  
 0135 RHC Habana, E —6000 9820  
 0200 AWR Wavescan Moosbrunn, E —6175  
 0210 RKI Seoul, E —9560CAN 11810 15575 NoAM / AS  
 0245 WWCN Nashville, E, Ask WWCN —5070  
 0300 WWCN Nashville, E, DX Party Line —5070  
 0330 WWCN Nashville, E, World of Radio —5070  
 0330 WRMI Miami (AWR Wavescan), E —6870

- 0335 RHC Habana, E —6000 9820  
0400 WBCQ, World of Radio, E, —9330Lsb  
0400 WRMI Miami (DX PartyLine), E —6870  
0400 WWCN Nashville, E, Radio Weather —5070  
0415 Voice of Turkey, E, fortnightly —6020 7240  
0418 Radio UKR Internat. Kiev, E —7440  
0430 WRMI Miami (World of Radio), E —6870  
0430 WWCN Nashville, E, DX Radio School —5070  
0430 KWHR Naalehu Hawaii, E, DXwCumbre —17780  
0500 WBCQ, E, Tom & Darryl —7415  
0505 WWCN Nashville, E, Cyberline —5070  
0510 DW Cologne, G, except 1<sup>st</sup>  
0535 RHC Habana, E —9550 9655 9820 11760  
0600 KWHR Naalehu Hawaii, E, DXwCumbre —11565  
0728 WWCN Nashville, E, World of Radio —3210  
0738 Radio Bulgaria Sofia, E —11600 13600 EUR  
0751 RKI Seoul, G —15210 AS/EUR  
0800 RVI Brussels, E —1512 5965 STL  
0800 Amateur Radio Mirror, Channel Africa, E —  
7082usb 9750 17700  
0830 DW Cologne, E, 4<sup>th/last</sup> —6140 21675  
0830 WHRA, E, DXwCumbre —7580 AF / EUR  
0900 KWHR Naalehu Hawaii, E, Radio Weather —17780  
1000 hr1 Frankfurt, Netzwerk, G —FM STL  
1000 AWR Wavescan KSDA Guam, E —11870 11900  
1000 WHRA, E, Radio Weather —7580 AF / EUR  
1012 Radio NZL Internat., Media Talk, E, —9885  
1030 WRMI Miami (World of Radio), E —9955  
1115 WWCN Nashville, E, Ask WWCN —15825  
1130 SWR Cont.Ra Baden Baden, Media, G —  
576 666 711 1017 FM, STL Astra ADR, DAB-S  
1130 RVI Brussels, E —9945 FE/EaAS  
1130 AWR Wavescan KSDA Guam, E —15260  
1200 AWR Wavescan Abu Dhabi, E —15135  
1218 Radio UKR Internat. Kiev, E —15620  
1230 RVI Brussels, E —1512 EUR STL  
1238 Radio Bulgaria Sofia, E —11700 15700 EUR  
1300 WRMI Miami (AWR Wavescan), E —15725  
1305 BR5 Munich, Medienmagazin, G —  
6085, FM, STL Astra ADR, DAB-S  
1330 AWR Wavescan KSDA Guam, E —11980 STL  
1330 DW Cologne, E, 4<sup>th/last</sup> —6140  
1330 WRMI Miami (DX PartyLine), E —15725  
1400 WWCN Nashville, E, Radio Weather —9985  
1430 WRN1, RVI Brussels, E —  
STL TelStar-V NoAM / AsiastarAS  
1440 Radio Slovakia Internat., G, —6055 7345  
1505 RCI Montreal, E, Mailbag —  
5985 9635 11730 SoAS/IND STL Hotbird EUR  
1530 AWR Wavescan Abu Dhabi, E —15225  
1600 AWR Wavescan KSDA Guam, E —15480 15495  
1600 KWHR Naalehu Hawaii, E, DXwCumbre —9930  
1605 REE Madrid, Sp, Amigos de la O.C. —9765 11815  
17850 21570 21700 LatAM 21610 ME/IND  
15585 EUR  
1615 Radio Budapest, E, DX Corner —6025 9580  
1630 AWR Wavescan KSDA Guam, E —11980  
1630 DW Cologne, E, 4<sup>th/last</sup> —  
1548 6170 7225 11695  
1630 WHRI South Bend, E, DXwCumbre —15105  
1703 WDR5 Cologne, Medienmagazin, G —  
FM, STL Astra ADR, DAB-S  
1710 Radio Slovakia Internat., G, —5915 6055  
1730 AWR Wavescan KSDA Guam, E —11560  
1800 WWCN Nashville, E, Ask WWCN —15825  
1805 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —  
5850 7185 9770 11875 15140 STL Hotbird  
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /  
AS / PAC / WRN1 TelStar-12 SoAM  
1830 RVI Brussels, E —1512 5910 7490  
1830 AWR Wavescan Meyerton, E —11925  
1910 Radio Slovakia Internat., G, —5915 7345  
1930 SWR Cont.Ra Baden Baden, Media, G —  
576 666 711 1017 FM, STL Astra ADR, DAB-S  
2000 BBC R4, World in Your Ear / Feedback, E —  
LW 198, MW, FM, DAB, STL  
2000 Studio-X Italy, E, World of Radio —1584, FM  
2015 Radio Budapest, E, DX Corner —3975 6025  
2030 WWCN Nashville, E, World of Radio —12160  
2030 RVI Brussels, E —1512 7490 STL  
2030 AWR Wavescan Meyerton, E —15295  
2030 DW Cologne, E, 4<sup>th/last</sup> —12025 13780 15205 15410  
2030 Radio Belarus Minsk, G —1170 7105 7340  
2035 BR5 Munich, Medienmagazin, G —  
6085, FM, STL Astra ADR, DAB-S  
2100 WBCQ, Radio Weather, E, —9330Lsb  
2100 RSCG Belgrade, G, fortnightly —6100  
2105 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —  
5850 9770 STL Hotbird  
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /  
AS / PAC / WRN1 TelStar-12 SoAM  
2130 WHRI South Bend, E, DXwCumbre —7535  
2130 AWR Wavescan Moosbrunn, E —9830  
2130 AWR Wavescan KSDA Guam, E —11980 12010  
2130 Radio Belarus Minsk, G —1170 7105 7340  
2200 RVI Brussels via Bonaire, E —11730 STL  
2215 Radio Budapest, E, DX Corner —6025 12010  
2230 RCI Montreal, E, Media Zone —  
6190 7195 9730 CHN/SoEaAS STL Hotbird EUR  
2230 AWR Wavescan KSDA Guam, E —11850 15320  
2230 DW Cologne, E, 4<sup>th/last</sup> —6180 6225  
2230 WBCQ, E, Radio Weather —9330Lsb  
2300 WBCQ, Allan Weiner WW, E, —9330Lsb