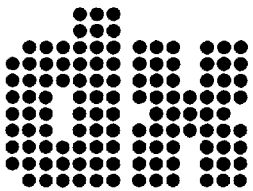


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WORLD WIDE DX CLUB



## 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  
☎ +49-6102-800999  
E-mail: mail@wwdxc.de • Internet: <http://www.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. #421, 3420 Morning Star Drive, Mississauga, ON, L4T 1X9, Canada • E-mail: logbook@wwdxc.de
- OSL 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.



(Photo supplied by Hans Johnson via Hansjörg Biener)

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June 2002

Hello again,

Welcome to another issue of our DX MAGAZINE. Since we have no news from inside the club this month, let's just start with our usual news from outside the club:

The Ontario DX Association (ODXA) will celebrate its **RadioFest 2002** from September 20th to 22nd at Monte Carlo Inn - Oakville, 374 South Service Road E., Oakville, Ontario, L6J 2X6, CANADA, Tel: (905) 849-9500, Fax: (905) 849-6405, e-mail: <reservation@montecarloinns.com>. Friday will begin with their wine and cheese reception in the evening. On Saturday they will feature a silent auction, displays, club items on sale, guest speakers, panel discussions and the draw for Raffle 2002 and on Sunday they will conclude with a tour (TBA). Speakers & Subjects to be covered (subject to change): "Digital Radio", "IRLP - Internet Radio Linking Project", "Having Fun In Ham Radio - the joy of amateur radio as a hobby", "Special - The Future Of Shortwave Radio". Prices - Weekend Registration: \$10.00 (\$7.00) [Still the best deal in town], Friday Wine & Cheese: included in registration, Saturday Meals: pay on your own, Sunday Tour: included in registration. For more information, contact Harold Sellers at 905-853-3518 / Fax 905-853-3169 / email: <listeningin@rogers.com> or Brian Smith at 905-426-4510 / email <am740@rogers.com> or by mail at: Ontario DX Association, Box 161, Willowdale Stn. A, Toronto, Ontario, Canada M2N 5S8. ODXA was formed in 1974 and is now the largest radio monitoring organization in Canada with over 600 members world-wide.

(Cf. DXM 2, page 3) Wir haben gerade noch ausführliche Informationen zum diesjährigen **SWLCS-DX-CAMP** von OM Peter Hell erhalten, die Sie auf der letzten Seite in diesem DX MAGAZINE finden können.

Der UKW/TV-Arbeitskreis der AGDX veröffentlicht ab sofort die Frequenzliste **FMLIST** in elektronischer Form auf seiner Homepage <<http://www.ukwtv.de>>. FMLIST ist ein Verzeichnis der europäischen UKW-Hörfunksender zwischen 65 und 108 MHz. Die Liste ist nach Ländern geordnet und kann unter dem Menüpunkt "FMLIST 2002" in Form von PDF-Dateien abgerufen werden. FMLIST ist ein nichtkommerzielles Hobbyprojekt, an dem derzeit etwa 12 Bearbeiter beteiligt sind. Schwerpunkte sind die technischen Daten der UKW-Sender in Mitteleuropa. Außerhalb dieses Kerngebiets gibt es (vor allem für Italien und Griechenland) noch einige Lücken, vor allem, weil zuverlässige Beobachtungen und die Zeit zur Bearbeitung fehlen. Der UKW/TV-Arbeitskreis hofft, daß die Liste nicht nur bei den eigenen Mitgliedern ein nützliches Werkzeug beim UKW-Fernempfang, aber auch für Funkamateure ist, etwa beim Erkennen von Sporadik-E-Bandöffnungen. Vorerst in einer Betaversion ist auch das Programm FMINFO von Udo Deutscher DL3GN verfügbar. Es baut auf der Datenbasis von FMLIST auf und ermöglicht gezieltes Suchen nach verschiedenen Kriterien.

(Uli Onken, DK2GO, Redaktion FMLIST, UKW/TV-Arbeitskreis der AGDX)

Der Termin für das diesjährige Sommer-Camp der Kurzwellenfrenunde Rhein/Ruhr e.V. im Kull-Haus zwischen Kempen-Tönisberg und Neukirchen-Vluyn steht jetzt fest: Donnerstag, 22. August, bis Sonntag, 25. August 2002. Der Teilnahmepreis wird sich auf etwa 12,50 Euro/Tag/Person belaufen. Achtung neu: Man erwartet von uns eine Mindestteilnehmerzahl von 10 Personen (egal ob DX-Platz oder Begleitung), die wir auf jeden Fall bezahlen müssen. Das ausführliche Informationsmaterial mit Anmeldeformular wird nach unserer MV Anfang Juni verschickt werden. Voranmeldungen sind bereits jetzt möglich. Teilnehmer der KWFR-Camps der letzten drei Jahre erhalten dieses Material automatisch zugeschickt. Anmeldungen oder Anfragen senden Sie an: KWFR e.V., Postfach 10 15 55, D-45815 Gelsenkirchen, eMail: <uli@kwfr.de>.

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  
 \*\*\*\*\*

**AUSTRALIA:** Radio VNG Australia's Standards Frequency and Time Signal Service will finally cease to operate from 1 July 2002 after approximately 38 years of service as a unique part of Australia's technical infrastructure.

Responses to all QSL requests that we have received are about to be dispatched. Further, the Commission will continue to respond to QSLs for receptions up to the 30 June 2002, This facility will continue until 31 December 2002.

The Commission also continues actively seeking alternative means of disseminating traceable time and frequency in Australia through its National Time Committee. This has been recently reconstituted following the retirement of Dr John Luck its long serving Chairman, and will continue to promote the development of the national time system.

Finally, the Commission is keen that the plant and equipment from Radio VNG be found a suitable home in retirement. Ideally this will reflect the contribution that Radio VNG made to Australia's national time system and technical infrastructure for so many years. Should you have any suggestions and/or wish to discuss this matter further, please contact me at the Commission, Ph 02-9856 0328 (direct), e-mail <rbrittain@nsc.gov.au>.

(Dr Richard Brittain, Secretary, National Time Committee, 3 June 2002, via Stephen Newlyn, VK5VKA, Australia)

**ECUADOR:** A02 broadcast schedule, 31 March 2002 - 26 October 2002 (revision 7 March 2002) of *The Voice of the Andes - HCJB*. Address: Radio Station HCJB, Casilla 17-17-691, Quito, Ecuador. Fax: +593-2-267263. Frequency Manager: Douglas Weber, E-Mail: <dweber@hcjb.org.ec>.

Language	UTC Begin:	UTC End:	Freq. (Khz.)	TX Power (KW)	Ant.Az (Deg)	Target Region	Days: SMTWTFS
CZECH	0430	0500	11830	100	42	Europe	1011101
	1930	2000	17795	350	40	Europe	1011101
	1930	2000	21470	50	41	Europe	1011101
ENGLISH	0100	0400	9745	100	351	N. Amer. (E)	1111111
	0100	0330	11960	50	330	N. America	1111111
	0100	0600	21455	30	35/225	Eur./S. Pac.	1111111
	0200	0330	21470	100	40	India	1111111
	0330	0400	11960	100	330	N. America	1111111
	0400	0600	11960	100	327	N. America	1111111
	0400	0600	9745	100	324	N Amer. (W)	1111111
	0600	0800	11680	250	36	Europe	1111111
	0630	1430	21455	30	35/225	Eur./S. Pac.	1111111
	0700	1100	11755	100	228	S. Pacific	1111111
	1100	1430	12005	50	43	Caribbean	1111111
	1100	1430	15115	250	352/128	N/S America	1111111
GERMAN (High)	2000	2200	17660	100	41	Europe	1111111
	2030	2200	21455	30	35/225	Eur./S. Pac.	1111111
	0500	0530	11875	100	42	Europe	1111111
	0930	1000	6125	100	155	S. America	1111111
	2000	2030	17795	350	40	Europe	1111111
	2000	2030	21455	30	35/225	Eur./S. Pac.	1111111
	2000	2030	21470	50	41	Europe	1111111
GERMAN (Low)	2300	2400	11980	100	131	S. America	1111111
	0530	0600	11875	100	42	Europe	1111111
	1000	1030	6125	100	155	S. America	1111111
	1030	1100	9745	100	324	N. America	1111111
HUARANI	0000	0030	11980	100	330/150	N/S America	1111111
	1030	1100	6050	50	18/172	S. America	1111111
	KIKONGO	0500	0515	12005	100	100	W. Africa
PORTUGUESE	0800	0930	9745	100	100	Brazil	1111111

	1530	1800	15295	100	139	Brazil	1111111
	2300	0230	11920	250	126	Brazil	1111111
	2300	0230	12020	100	100	Brazil	1111111
QUICHUA	0830	1000	6110	100	155	S. America	1111111
	0830	1030	690	50	000/180	Ecuador	1111111
	0830	1400	3220	8	90 (V)	S. America	1111111
	0830	1400	6080	8	90 (V)	S. America	1111111
	2100	0300	3220	8	90 (V)	S. America	1111111
	2100	0300	6080	8	90 (V)	S. America	1111111
	2130	0000	9745	100	155	S. America	1111111
RUSSIAN	0330	0430	11865	250	30	W. Russia	1111111
SLOVAK	0430	0500	11830	100	42	Europe	0100010
	1930	2000	17795	350	40	Europe	0100010
	1930	2000	21470	50	41	Europe	0100010
SPANISH	0100	0500	15140	100	339	Mexico	1111111
	0600	0630	11875	100	42	Europe	1111111
	0600	0630	21455	30	35/225	Eur./S. Pac.	1111111
	1030	0500	690	50	000/180	Ecuador	1111111
	1100	0500	6050	50	18/172	S. America	1111111
	1100	1300	11960	100	355	Cuba	1111111
	1100	1500	15140	100	150	S. America	1111111
	1300	1500	17690	100	341	Mexico	1111111
	1430	1530	21455	30	35/225	Eur./S. Pac.	1111111
	2030	2130	15205	100	42	Europe	1111111
	2030	2130	17795	350	50	Europe	1111111
	2100	2300	15140	100	150	S. America	1111111
	2200	0100	21455	30	35/225	Eur./S. Pac.	1111111
	2300	0100	15140	100	160/330	N/S America	1111111

Note: HCJB's shortwave broadcast schedule also includes these programs transmitted from the United Kingdom.

Tatar	1600	1615	11760	500	62	Central Asia	1000010
Georgian	1600	1615	11760	500	62	Central Asia	0100000
Uzbek	1600	1615	11760	500	62	Central Asia	0010100
Tajik	1600	1615	11760	500	62	Central Asia	0001000
Russian	1600	1615	11760	500	62	Central Asia	0000001
Russian	1615	1700	11760	500	62	Central Asia	1000111
Russian	1615	1645	11760	500	62	Central Asia	0111000
Ukrainian	1645	1700	11760	500	62	Central Asia	0111000
Arabic	2100	2230	12025	250	165	N. Africa	1111111

(Website HCJB World Radio last-modified: 28 Mar 2002, via JKB)

### **EUROPE (USA / AUSTRIA): *Trans World Radio - TWR Europe***, transmission schedule

season A02, effective: 31 March 2002. TWR website: <www.twr.org>. Addresses:

PO Box 141, 1235 Vienna, Austria

B.P. 349, MC 98007, Monte Carlo, Monaco

PO Box 176, 3780 BD Voorthuizen, The Netherlands

PO Box 12, 820 02 Bratislava 22, Slovak Republic

Language	Time (UT)	Day	BD	Frequency	MB	Target	Notes
Albanian	19.00-19.15	___45__	MW	1467	-	K	-
	19.15-19.30	1234_67	MW	1467	-	K	-
Arabic	01.55-02.00	1234567	MW	1233	-	R	-
	02.00-02.15	123456_	MW	1233	-	R	-
	02.15-02.30	12345__	MW	1233	-	R	-
	11.00-14.00	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird, 4
	19.15-19.30	___5__	MW	1395	-	C	-
	19.25-19.45	1234567	MW	1233	-	R	-
	19.45-20.00	1_34567	MW	1233	-	R	-
	20.00-21.00	1234567	MW	1233	-	R	-
	20.00-21.00	___67__	MW	1467	-	P	-
	21:00-21.15	___67__	MW	1233	-	R	-
	21.00-22.00	1234567	MW	1467	-	P	-
	21.15-21.30	__2__	Satellite	Astra	-	C	Astra, 1
Armenian	03.00-03.30	1234567	MW	864	-	MORS	-

	15.30-15.45	1234567	SW	12080/9945	25/31	MORS	-
	15.45-16.00	12345__	SW	12080/9945	25/31	MORS	-
	17.05-17.35	12345__	SW	9445/7365	31/41	R	-
Balkan	18.30-18.45	1234567	MW	1548	-	K	Romani
Belarus	18.15-18.45	1_____	SW	9750/7125	31/41	EFLM	-
	19.00-19.30	1_____	MW	999	-	EFLM	-
Bosnian	18.25-18.40	12_____	MW	1395	-	K	-
	19.45-20.15	_____67	MW	1395	-	K	-
Bulgarian	18.00-18.30	1234567	MW	1548	-	K	-
Croatian	12.30-12.45	123_56_	SW	9490/7280	31/41	K	-
	18.45-19.00	123_5__	MW	1467	-	K	-
	19.30-19.45	1234567	MW	1395	-	K	-
	19.45-20.15	12345__	MW	1395	-	K	-
	20.00-20.30	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	21.00-21.15	1234567	Satellite	Astra	-	CK	Astra, 1
Czech	10.30-11.00	1234567	Satellite	Astra	-	CK	Astra, 1
	16.15-16.30	12_45__	SW	7355/5970	41/49	K	-
	19.00-19.30	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	20.30-21.00	1234567	MW	1395	-	K	-
English	00.00-24.00	1234567	Satellite	Ch. 888	-	B	Sky Digital, 4
	06.45-06.55	_____67	SW	9870/6045	31/49	B	-
	06.55-08.20	12345_7	SW	9870/6045	31/49	B	-
	15.30-17.15	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	16.10-16.25	1234567	MW	864	-	MNOS	6
	22.00-22.45	1234567	MW	1467	-	BC	-
Estonian	19.30-20.00	_____67	MW	1494	-	E	9
Farsi	16.25-17.25	1234567	SW	12100/9960	25/31	S	-
	17.25-17.40	123456_	SW	12100/9960	25/31	S	-
	17.10-17.40	123456_	MW	864	-	S	-
	17.40-18.10	1234567	MW	864	-	S	-
	19.15-19.30	_3____	MW	1395	-	C	-
	21.15-21.30	_____7	Satellite	Astra	-	C	Astra, 1
Finnish	18.30-19.00	12345__	MW	1494	-	A	8, 9
	19.30-20.00	12345__	SW	9430	31	-	-
French	02.30-03.00	_____67	LW	216	-	C	3
	02.40-02.55	12345__	LW	216	-	C	3
	17.30-18.00	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird
German	00.00-24.00	1234567	Satellite	Astra	-	C	Astra, 2, 4
	00.00-10.30	1234567	Satellite	Astra	-	C	Astra, 1
	03.45-04.15	1234567	MW	1467	-	C	-
	08.30-08.45	123456_	SW	9795	31	C	-
	08.30-09.15	_____7	SW	9795/7160	31/41	C	Also on Mayak
	12.00-20.30	1234567	Satellite	Astra	-	C	Astra, 1
	13.00-13.30	_____7	SW	9795/7160	31/41	C	-
	13.30-14.00	1234567	SW	9795/7160	31/41	C	-
	19.30-20.00	1234567	MW	1467	-	C	-
	20.00-20.30	12345__	MW	1467	-	C	-
	21.30-00.00	1234567	Satellite	Astra	-	C	Astra, 1
Hebrew	19.00-19.30	1234_67	MW	1350	-	R	-
	19.30-20.00	1234_7	MW	1350	-	R	-
Hungarian	08.30-08.45	_23456_	SW	9490/7385	31/41	K	-
	11.30-12.00	1234567	Satellite	Astra	-	CK	Astra, 1
	16.30-17.00	1234567	SW	5970	49	K	-
	18.40-19.15	1234567	MW	1395	-	K	-
	19.30-20.00	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird
Iraqi	02.00-02.15	_____7	MW	1233	-	R	-
	02.15-02.30	_____6_	MW	1233	-	R	-
Italian	05.00-11.00	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird, 4, 5
	20.30-21.00	12345__	Satellite	TWR Radio	-	CDHKOPR	Hotbird, 4, 5, 7
Kayble	14.00-14.30	12345__	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	20.30-21.00	12345__	MW	1467	-	P	-
Kalderash	18.45-19.15	123456_	MW	1548	-	K	Romani
Kazakh	16.25-16.40	12345__	MW	864	-	NS	6
Korean	12.00-12.15	1234567	SW	7350	41	NS	-
	15.55-16.10	1234567	SW	5855	49	NS	-
Kyrgyz	16.40-16.55	1234_____	MW	864	-	NS	6
Latvian	19.00-19.30	_____67	MW	1494	-	E	9
Lithuanian	18.00-18.30	1234567	MW	1494	-	E	5, 9
	18.30-19.00	_____67	MW	1494	-	E	10

Macedonian	18.45-19.15	_____7	MW	1548	-	K	-
Mandarin	19.00-19.15	__23__	MW	1467	-	CB	-
Norwegian	19.30-20.00	12345__	MW	1494	-	A	8, 9
	20.30-21.00	12345__	SW	9430	31		
Polish	05.15-05.30	1234567	SW	9850/7380	31/41	D	
	14.30-15.00	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	15.00-15.30	1234567	SW	9410/7355	31/41	D	-
	15.30-15.45	_____7	SW	9410/7355	31/41	D	-
	19.15-19.30	1_____	MW	1395	-	C	-
	20.30-21.00	1234567	Satellite	Astra	-	CD	Astra, 1
Qashqai	17.25-17.40	_____7	SW	12100/9960	25/31	S	-
Romanian	16.00-16.45	_____6_	SW	9660/7135	31/41	K	-
	19.15-19.45	1234567	MW	1548	-	K	5, 7
Russian	01.45-01.55	1234567	Mayak	Radio Network	-	-	-
	09.05-09.35	1234567	Yunost	Radio Network	-	-	-
	14.05-14.20	1234567	Yunost	Radio Network	-	-	-
	13.45-14.00	__34567	SW	11635	25	EFGLMN	-
	13.45-14.00	_____7	SW	9735	31	EFGLMN	-
	13.45-14.45	_____6_	SW	9735	31	EFGLMN	-
	13.45-15.00	__345__	SW	9735	31	EFGLMN	-
	14.00-15.00	__2_____	SW	9735	31	EFGLMN	-
	14.00-14.15	__23456_	SW	11635	25/31	EFGLMN	-
	14.15-14.45	123456_	SW	11635	25/31	EFGLMN	-
	14.15-15.00	1_____	SW	9735	31	EFGLMN	-
	14.45-15.00	12345__	SW	11635	25/31	EFGLMN	-
	16.25-16.40	_____67	MW	864	-	MORS	6
	17.45-18.00	_____67	MW	999	-	EFLM	-
	18.00-18.15	1_34567	SW	9750/7125	31/41	EFGLMN	-
	18.15-18.45	__234567	SW	9750/7125	31/41	EFGLMN	-
	18.20-18.30	1234567	Mayak	Radio Network	-	-	-
	19.00-19.15	__23_567	MW	999	-	EFLM	-
	19.15-19.30	__23_5_7	MW	999	-	EFLM	-
	19.00-19.30	_____5_	MW	1350	-	R	-
	19.15-19.30	_____7	MW	1395	-	C	-
	21.15-21.30	__3_____	Satellite	Astra	-	C	Astra, 1
Serbian	19.45-20.15	1234567	MW	1548	-	K	-
Slovak	04.30-04.45	12345__	SW	7380/6235	41/49	K	-
	10.30-11.00	_____6_	SW	9490/7385	31/41	K	-
	11.00-11.30	1234567	Satellite	Astra	-	CK	Astra, 1
	15.00-15.30	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	20.15-20.30	1234567	MW	1395	-	K	-
Slovenian	12.30-12.45	__4_7	SW	9490/7280	31/41	K	-
Sorani	18.10-18.25	1234567	MW	864	-	MORS	Kurdish
	19.15-19.30	__4_____	MW	1395	-	C	Kurdish
	21.15-21.30	_____6_	Satellite	Astra	-	C	Kurdish Astra, 1
Sous	14.00-14.15	_____7	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	19.00-19.15	_____7	MW	1467	-	P	-
Spanish	19.15-19.30	_____5_	MW	1467	-	CH	-
	21.15-21.30	1_____	Satellite	-	-	CH	Astra, 1
Sudanese	19.45-20.00	__2_____	MW	1233	-	R	-
Swedish	19.00-19.30	12345__	MW	1494	-	A	8, 9
	20.00-20.30	12345__	SW	9430	31	-	-
Tajik	17.10-17.40	_____7	MW	864	-	NS	6
Tamazight	14.00-14.15	_____6_	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	19.00-19.15	1_____	MW	1467	-	P	-
Turkish	03.30-04.00	1234567	Satellite	TWR Radio	-	CDHKOPR	Hotbird
	18.30-19.00	1234567	MW	1350	-	O	-
	19.15-19.30	__2__6_	MW	1395	-	C	-
	21.15-21.30	_____45_	Satellite	Astra	-	C	Astra, 1
Turkmen	16.40-16.55	_____567	MW	864	-	NS	6
Ukrainian	13.45-14.00	__2_____	SW	11635/9735	25/31	EFGLMN	-
	17.30-17.45	1234567	MW	999	-	L	-
	17.45-18.00	12345__	MW	999	-	L	-
	17.45-18.00	__3__7	Ukrainian	National Network	-	L	-
	18.00-18.15	__2_____	SW	9750/7125	31/41	EFGLMN	-
	19.00-19.30	_____4_	MW	999	-	L	-
	19.15-19.30	_____6_	MW	999	-	L	-
Uzbek	16.55-17.10	1234567	MW	864	-	NS	6

Target Country Key

A Finland, Norway, Sweden  
 B Ireland, Great Britain  
 C Austria, Benelux, Denmark, France, Germany, Italy, Switzerland  
 D Poland  
 E Lithuania  
 EFLM Russia/Moscow  
 H Spain, Portugal  
 K Albania, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Rep., Greece, Hungary, Macedonia, Romania, Serbia, Slovakia, Slovenia  
 L Belarus, Moldavia, Ukraine  
 MORS Armenia  
 MS Azerbaijan  
 N Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan  
 O Turkey  
 P Algeria, Libya, Morocco, Tunisia  
 R Egypt, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Saudi Arabia, Syria, UAE  
 S Iran

## Notes Key

1 Astra 10.906 GHz, 7.38 MHz; target area BCDHK  
 2 Astra 10.906 GHz, 7.56 MHz; target area BCDHK  
 3 Also on RMC FM Network  
 4 Music in between programs  
 5 Also on local FM stations Mon-Fri.  
 6 Also on SW 5855 kHz, 49 MB  
 7 Write for more information  
 8 Also on SW 9430 kHz, 31 MB; 29 April - 9 Aug.  
 9 One hour later 29 April - 9 Aug.  
 10 Serbian 07 April - 05 Mayak.

(TWR Website via JKB, Last-Modified: 07 Jun 2002)

**ITALY:** Schedule A02 from **RAI International** valid until 27 Oct 2002. Postal address RADIO ROMA - RAI International - Casella Postale 320 - 00100 Roma. Schedule is only available in Italian:

NORTH AMERICA:					21.35	21.55	7290	9670	Arabo	
14.00	14.25	17780	21520	Italiano	15.00	15.25		9670	Italiano	
18.30	19.05	17780	21520	Italiano	Special px:					
22.30	00.55	9675	11800	Italiano	22.00	04.00	Notturmo	Italiano	6060	Italiano
00.55	01.15	9675	11800	Inglese	04.00	22.00	Radiouno	6060	9515	Italiano
01.15	01.30	9675	11800	Francese	04.00	22.00	Radiodue		7175	Italiano
01.30	03.15	9675	11800	Italiano	EUROPE / RUSSIA					
03.15	03.35	9675	11800	Spagnolo	04.05	04.25	7235	9670	11800	Ucraino
Sunday only (sports):					05.05	05.25	9670	11800		
13.52	17.30	21520	Nord America		05.30	05.50	9670	11800		Rumeno
CENTRAL AMERICA:					06.30	13.00	9670	11800		Italiano
01.30	02.30	11765	Italian		13.35	13.55	7190	9690		Albanese
SOUTH AMERICA:					14.00	14.15	7190	9690		Sloveno
22.40	00.55	9840	12030	Italiano	14.15	14.35	7190	9690		Tedesco
00.55	01.15	9840	12030	Spagnolo	14.35	14.55	7190	9690		Croato
01.15	01.30	9840	12030	Portoghese	15.00	15.20	9690	11700		Turco
01.30	02.30	6110		Italiano	15.20	15.40	9690	11700		Greco
01.30	03.15	9840	12030	Italiano	15.40	16.00	9690	11700		Bulgaro
03.15	03.35	9840	12030	Spagnolo	18.10	18.25	6130	7240		Ceco
Sunday only (sports):					18.25	18.40	6130	7240		Slovacco
13.52	17.30	21535	Sud America		18.40	19.00	6130	7240		Polacco
SPAIN and NORTH WEST AFRICA:					19.10	19.30	6130	7240		Serbo
04.35	04.45	7235	9875	Italiano	19.35	19.55	6130	7240		Ungherese
14.45	05.00	7235	9875	Inglese	21.15	21.35	5970	7250		Rumeno
14.30	14.55	9670	11800	Arabo	21.35	21.55	5970	7250		Ceco
15.00	15.25	9670	11880	Italiano	21.55	22.10	5970	7250		Slovacco
16.30	16.55	9670	11700	Francese	22.10	22.25	5970	7250		Polacco
17.00	18.00	9670	11910	Italiano	03.45	04.05	7235	9670	11800	Russo
20.25	20.45	6130	7290	Arabo	06.00	06.20	11800			Russo
20.50	21.10	6130	7290	Portoghese	16.05	16.25	11700			Russo
					20.00	20.20	6185	9670	11800	Russo
21.10	21.30	6130	7290	Spagnolo	CENTRAL EUROPE:					
Special px:					15.30	15.55	9670	11885		Francese
15.00	15.25	9670		Italiano	15.55	16.25	9670	11885		Italiano
22.00	04.00	Notturmo	Italiano	6060	Italiano	18.05	18.25	6015	9605	Tedesco
04.00	22.00	Radiouno	6060	9515	Italiano	19.35	19.55	5970	9745	Inglese
04.00	22.00	Radiodue		7175	Italiano	20.00	20.20	9600	11755	Svedese
ORIENTAL NORTH AFRICA, NEAR EAST:					20.00	20.20	9600	11755		Danese
13.30	13.55	11800		Arabo	20.00	20.20	9600	11755		Esperanto



Special px:					06.00	06.20	11900			Arabo
15.00	15.25	9670		Italiano	16.30	16.55	11910			Arabo
22.00	04.00	Notturmo	Italiano	6060	17.00	18.00	9730	11795		Italiano
04.00	22.00	Radiouno	6060	9515	19.10	19.30	11890			Somalo
04.00	22.00	Radiodue	7175		20.25	20.45	6185	9670	11880	Inglese
Sunday only (sports):					20.50	21.10	9670	11880		Portoghese
13.52	17.30	9670	Europa		CENTRAL-ASIA:					
EAST-CENTRAL-SOUTHWEST AFRICA					03.45	04.05	7235	9670	11800	Russo
17.00	18.00	15320	17800	Italiano	06.00	06.20	11800			Russo
20.50	21.10	15240		Portoghese	16.05	16.25	11700			Russo
Sunday only (sports):					20.00	20.20	6185	9670	11800	Russo
13.52	17.30	21710	Africa Centrale		PACIFIC:					
EAST-AFRICA					10.00	11.00	11920			Italiano
04.35	04.55	11900		Amarico	JAPAN:					
04.55	05.30	11900		Italiano	22.05	22.30	11900			Inglese
05.30	05.50	11900		Somalo						

(RAI Website via JKB, last-modified: 13 Jun 2002)

**NAMIBIA:** The SW txs seem to be in a good working order again, all four frequencies noted on Apr 28 (in AFS, Ed.):

3270 (vernaculars sce.): 1600-0500

3290 (Afrikaans/German): 1600-0500

6060 (vernaculars sce.): 0500-1600

6175 (Afrikaans/German): 0500-1600

(Vashek Korinek via DXplorer via BC-DX #574, 2002 Apr 29)

**NEW ZEALAND:** *Radio New Zealand International - RNZI* valid schedule 05 May - 01 September 2002. Address: P.O.Box 123, Wellington, New Zealand. Fax: 00 64 4 474 1433 and e-mail address is <info@rnzi.com>. Reception reports by e-mail or post are welcome and at the web <<http://www.rnzi.com/pages/contact.htm>> RNZI has provided forms of reception reports for e-mail (Netscape users only) and postal mail. Please do not send cassettes. All DX reception reports must contain detailed programme information for verification purposes and be accompanied by two International Reply Coupons (IRC) or \$US2 if a QSL is sought. E-mail reports will be verified by e-mail only.

UTC	kHz	Primary Target	Azimuth	Days
1650 - 1750	6095	NE Pacific, Fiji, Samoa, Cook Islands	35'	Mon to Fri
1751 - 1850	11725	NE Pacific, Fiji, Samoa, Cook Islands	35'	Mon to Fri
1851 - 2215	15160	All Pacific, also audible in Europe	0'	Daily
2216 - 0458	17675	All Pacific, also west coast of the USA	0'	Daily
0459 - 0658	11820	All Pacific, also Europe, and mid-west USA	0'	Daily
0659 - 1105	9885	All Pacific, also mid-west USA	0'	Daily
1106 - 1305	9515	NW Pacific, Bougainville, East Timor, Asia	325'	Daily *
1306 - 1650	6095	All Pacific	0'	**

\* Usual Closedown is 1305 UTC - this frequency is for occasional overnight broadcasts to the Pacific for Sports commentaries or Cyclone Warnings.

\*\* Bougainville/Timor Transmission 1105 -1305 UTC directed to the North Western Pacific and Asia for NZ Forces serving overseas.

(RNZI website Last-Modified: Sat, 15 Jun 2002 via JKB)

**RUSSIA:** *Voice of Russia* relay via shortwave transmitters of Russia, valid 03/31/2002 - 08/31/2002:

CRR-1 (Moscow)	9890	1700-2100	250	12070	0100-0300	500		
kHz UTC kW	9920	1200-1500	250	12070	1700-2100	250		
7390	1800-2100	250	11630	1500-2100	250	15460	1200-1600	500
7440	1730-2100	250	11755	1100-1400	250	15540	1400-1800	250
9450	2300-0200	500	11920	1700-1800	250	17645	1200-1500	250
9775	1700-2100	250	11985	1400-1900	250	CRR-2 (S.Petersburg)		
9795	1500-1700	250	12000	1600-2100	250	7310	1730-2000	400
9860	2300-0200	500	12030	1500-2100	250	7330	2300-0300	800
9865	1600-2000	250	12040	1500-2000	250	7400	1700-1900	400

9450 1500-1800 400	15455 1500-2100 250	15550 1200-1300 500
9450 2000-2100 400	17570 1200-1600 500	15605 1000-1400 200
9480 2300-0300 800	17610 1200-1400 500	17675 0700-0900 500
12005 1500-1600 400	CRR-8 (Khabarovsk)	TCR-12 (Chita)
12015 1400-1700 400	7490 1000-1100 080	9745 1200-1900 500
12055 1700-2100 200	7490 1200-1300 080	11870 1530-1900 500
12060 1500-1530 200	9480 1000-1400 100	12055 1200-1300 500
12060 1600-1900 200	12000 0100-0500 100	12055 1400-1500 500
15595 1730-1800 400	12000 1000-1400 100	Ekaterinburg Radio Centre
15595 1830-1900 400	13720 1200-1300 100	7370 1300-2100 200
17580 1500-1600 400	17685 0500-0900 100	11745 1700-2000 200
CRR-2 (Kaliningrad)	17795 0500-0900 100	12020 1700-2000 200
7300 1500-1900 160	CRR-8 (Komsomolsk-na-Amure)	15315 1200-1300 200
7330 0900-1000 320	7330 1000-1400 250	15350 1600-2000 200
7330 1500-1900 160	17565 0100-0500 250	17685 1500-2000 200
11830 1400-1700 160	17635 0500-0900 250	Vladivostok Radio Centre
CRR-3 (Samara)	CRR-10 (Irkutsk)	5940 1000-1300 100
5950 1700-2100 250	5905 1000-1400 100	7315 1000-1400 100
9470 1900-2130 200	7315 1400-1800 250	7390 1200-1400 250
9480 1700-2100 200	9800 1200-1400 100	7390 1400-1600 500
12010 2300-0200 500	11685 1000-1300 250	7400 1000-1300 250
15560 1200-1600 250	15490 0600-0800 500	17660 0100-0500 500
TCR-4 (Krasnodar)	21790 0500-0700 250	Petropavlovsk-Kamchatskiy
7305 1400-1900 100	CRR-11 (Novosibirsk)	Radio Centre
7325 1400-1700 100	7350 1500-1700 200	7340 1200-1400 100
9725 0100-0300 500	9820 1400-2000 500	12055 1000-1100 100
9830 0000-0200 500	9865 1500-1600 500	13640 1000-1100 100
11675 1700-2100 500	9875 1400-1800 500	17595 0100-0300 250
12015 1200-1400 500	11640 1200-1400 200	17620 0100-0300 100
12035 1600-1800 500	11720 1500-1700 200	17650 0200-0500 250
12060 2300-0300 500	15185 1000-1100 500	17690 0100-0500 100
15455 0900-1000 250	15470 1000-1400 200	

**Voice of Russia** relay via shortwave transmitters of abroad Russia, valid 03/31/2002 - 08/31/2002:

Armenia	4940 1500-1600 100	17495 0700-0900 500
9965 2300-0200 500	4965 1200-1400 100	17525 0700-0900 500
11510 1600-1900 500	4965 1500-1600 100	Ukraine
15735 1900-2100 500	4975 1200-1400 100	11720 0100-0300 500
Moldova	4975 1500-1600 100	China
9665 0000-0500 500	9360 1400-1900 200	11500 1500-1600 120
11750 0000-0500 500	9945 0100-0200 500	Vatican City State
Tajikistan	11500 1200-1500 500	9450 2100-2130 250
4940 1200-1400 100	11510 2300-0200 500	11825 0100-0200 250

(Nikolai Rudnev in RUS-DX #106-B via Anatoly Klepov; May 13, 2002)

**UNITED KINGDOM: BBC World Service**, operational schedule A02 part 2. Part 1 of schedule was published at DXM last month.

11670 0600 0615 smtwfts Rampisham	500 62 RUSSIAN RUSS	11685 0200 0230 .mtwtf. A'Seela	250 10 UZBEK	C AS
11675 0530 0545 s.....s Biblis	100 105 BBC ENGLISH SE EUR	11685 0200 0230 .mtwtf. Masirah	100 45 UZBEK	C AS
11675 2115 2130 .mtwtf. Antigua	125 235 ENGLISH CARIB	11685 0230 0300 .mtwtf. A'Seela	250 100 HINDI	S AS
11675 2115 2130 .mtwtf. Antigua	125 300 ENGLISH CARIB	11685 0230 0300 s.....s A'Seela	250 100 HINDI	S AS
11680 0800 0815 smtwfts Rampisham	500 62 RUSSIAN RUSS	11685 0230 0300 .mtwtf. Masirah	100 106 HINDI	S AS
11680 0930 1000 s.....s Cyprus	250 7 RUSSIAN RUSS	11685 0230 0300 s.....s Masirah	100 106 HINDI	S AS
11680 1000 1015 smtwfts Cyprus	250 7 RUSSIAN RUSS	11685 0800 0810 smtwfts Nakhon Sawan	250 305 BENGALI	S AS
11680 1015 1030 smtwfts Cyprus	250 7 BBC ENGLISH RUSS	11685 1500 1530 smtwfts Singapore	250 320 NEPALI	S AS
11680 1030 1045 smtwfts Biblis	100 126 SERBIAN SE EUR	11685 1530 1545 smtwfts Singapore	250 320 BBC ENGLISH	S AS
11680 1100 1130 smtwfts Biblis	100 126 ROMANIAN SE EUR	11685 2200 2400 smtwfts Singapore	125 25 ENGLISH	SE AS
11680 1230 1315 s.....s Biblis	100 126 ALBANIAN SE EUR	11685 2200 2400 smtwfts Singapore	125 135 ENGLISH	SE AS
11680 1315 1330 smtwfts Biblis	100 126 ALBANIAN SE EUR	11720 1930 2000 .mtwtf. Rampisham	500 105 TURKISH	SE EUR
11680 1600 1630 smtwfts Biblis	100 105 SERBIAN SE EUR	11720 2130 2145 .t..f. Rampisham	500 209 ENGLISH	S AT
11680 1630 2200 smtwfts Rampisham	500 168 ARABIC N AF	11730 0300 0400 smtwfts Seychelles	250 280 ENGLISH	E AF

11730	0400	0430	smtwtfs	Seychelles	250	280	SWAHILI	E AF	12035	0300	0400	smtwtfs	Cyprus	250	173	ENGLISH	E AF
11730	0445	0500	smtwtfs	Cyprus	250	315	SERBIAN	SE EUR	12035	0700	0900	.....f.	Dhabbaya	500	45	PASHTO	ME
11740	0300	0600	smtwtfs	Cyprus	300	150	ARABIC	ME	12035	0700	0800	....t..	Dhabbaya	500	45	PERSIAN/PASH	ME
11750	0100	0130	smtwtfs	A'Seela	250	60	HINDI	S AS	12035	0800	0900	....t..	Dhabbaya	500	45	PERSIAN	ME
11750	0100	0130	smtwtfs	Masirah	100	78	HINDI	S AS	12035	0800	0845	smtw..s	Dhabbaya	500	45	PERSIAN/PASH	ME
11750	0130	0200	smtwtfs	A'Seela	250	60	URDU	S AS	12045	1700	1730	s.....s	Moscow	250	117	UZBEK	C AS
11750	0130	0200	smtwtfs	Masirah	100	78	URDU	SW AS	12045	1730	1800	s.....s	Moscow	250	117	RUSS CASIA	C AS
11750	0200	0300	smtwtfs	A'Seela	250	335	PERSIAN	ME	12045	1730	1800	.mtwtf.	Moscow	250	117	UZBEK	C AS
11750	0200	0300	smtwtfs	Masirah	100	345	PERSIAN	ME	12095	0000	0200	smtwtfs	Skelton	300	230	ENGLISH	S AM
11750	0300	0400	smtwtfs	Rampisham	500	95	PERSIAN	ME	12095	0200	0500	smtwtfs	Cyprus	250	101	ENGLISH	ME
11760	0500	0600	smtwtfs	Masirah	100	305	ENGLISH	ME	12095	0200	0300	smtwtfs	Skelton	300	230	ENGLISH	S AM
11760	0500	0600	smtwtfs	A'Seela	250	320	ENGLISH	ME	12095	0300	0400	smtwtfs	Cyprus	250	7	ENGLISH	RUSS
11760	0700	1400	smtwtfs	Masirah	100	305	ENGLISH	ME	12095	0400	0600	smtwtfs	Cyprus	250	328	ENGLISH	EUR
11760	0700	1400	smtwtfs	A'Seela	250	320	ENGLISH	ME	12095	0600	1700	smtwtfs	Woofferton	250	140	ENGLISH	EUR
11765	0000	0115	smtwtfs	Ascension	250	265	SPANISH	S AM	12095	1700	1900	smtwtfs	Woofferton	250	78	ENGLISH	RUSS
11765	0115	0130	.twtfs	Ascension	250	265	SPANISH	S AM	12095	1900	2100	smtwtfs	Ascension	250	114	ENGLISH	S AF
11765	0500	0700	smtwtfs	Meyerton	250	328	ENGLISH	W AF	12095	2100	2400	smtwtfs	Ascension	250	245	ENGLISH	S AM
11765	0700	0800	smtwtfs	Ascension	250	27	ENGLISH	W AF	12105	1100	1530	smtwtfs	Vladivostok	500	228	MANDARIN	FE
11765	2230	2300	smtwtfs	Antigua	250	160	BRAZILIAN	S AM	13630	0200	0300	smtwtfs	Rampisham	500	95	PASHTO	W AS
11770	0400	0500	.mtwtf.	Woofferton	250	82	UKRAINIAN	UKR	13645	0300	0400	smtwtfs	Rampisham	500	95	PERSIAN	ME
11780	0800	0900	s.....	Cyprus	250	7	TURKISH	SE EUR	13645	0400	0445	smtwtfs	Rampisham	500	95	PERSIAN/PASH	ME
11790	0400	0445	smtwtfs	Rampisham	500	85	PERSIAN/PASH	ME	13645	1400	1415	.mtwtf.	Woofferton	300	105	SERBIAN	SE EUR
11820	1200	1630	smtwtfs	Cyprus	300	102	ARABIC	ME	13645	1500	1600	smtwtfs	Skelton	300	110	TURKISH	SE EUR
11820	1630	1800	smtwtfs	Cyprus	300	150	ARABIC	ME	13645	1600	1630	smtwtfs	Skelton	300	95	UKRAINIAN	UKR
11835	0000	0300	smtwtfs	Okeechobee	50	285	ENGLISH	C AM	13645	1630	1700	smtwtfs	Skelton	300	95	BBC ENGLISH	UKR
11835	0300	0500	smtwtfs	Delano	250	121	ENGLISH	C AM	13645	1700	1705	.mtwtf.	Skelton	300	110	CROATIAN	SE EUR
11835	1130	1200	smtwtfs	Singapore	100	13	VIETNAMESE	SE AS	13650	0445	0500	smtwtfs	Rampisham	500	110	SERBIAN	SE EUR
11835	1200	1215	smtwtfs	Singapore	100	13	BBC ENGLISH	CHN	13650	0530	0600	smtwtfs	Rampisham	500	115	ALBANIAN	SE EUR
11835	1330	1400	smtwtfs	Singapore	250	330	BENGALI	S AS	13650	1030	1045	smtwtfs	Cyprus	250	329	SERBIAN	SE EUR
11835	1400	1430	smtwtfs	Cyprus	300	7	UKRAINIAN	UKR	13660	0000	1200	smtwtfs	Cyprus	300	117	ARABIC	ME
11835	2000	2300	smtwtfs	Skelton	300	180	ENGLISH	W AF	13660	1200	2400	smtwtfs	Skelton	300	180	ARABIC	N AF
11845	0200	0230	smtwtfs	Cyprus	250	37	RUSS CASIA	C AS	13670	1200	1205	.mtwtf.	Cyprus	250	7	RUSSIAN	RUSS
11845	0230	0330	.mtwtf.	Rampisham	500	62	RUSSIAN	RUSS	13670	1205	1215	s.....s	Cyprus	250	7	RUSSIAN	RUSS
11845	0330	0500	.mtwtf.	Woofferton	300	45	RUSSIAN	RUSS	13670	1300	1400	.mtwtf.	Rampisham	500	62	RUSSIAN	RUSS
11845	0500	0510	.mtwtf.	Rampisham	500	105	CROATIAN	SE EUR	13680	0400	0500	.mtwtf.	Cyprus	300	359	UKRAINIAN	UKR
11845	0530	0600	smtwtfs	Cyprus	250	295	ALBANIAN	SE EUR	13685	1400	1430	smtwtfs	Skelton	300	95	UKRAINIAN	UKR
11845	1500	1900	smtwtfs	Cyprus	250	7	RUSSIAN	RUSS	13700	2030	2100	smtwtfs	Rampisham	500	189	PORTUGUESE	W AF
11845	1900	2000	.....s	Rampisham	500	62	RUSSIAN	RUSS	13740	0600	0629	smtwtfs	Rampisham	500	169	FRENCH	N AF
11845	2000	2030	.mtwtf.	Rampisham	500	62	RUSSIAN	RUSS	13745	0100	0130	smtwtfs	Tashkent	200	131	HINDI	S AS
11850	0000	0030	smtwtfs	Singapore	250	340	BURMESE	SE AS	13745	0200	0230	smtwtfs	Cyprus	250	50	RUSS CASIA	C AS
11850	0030	0100	smtwtfs	Singapore	250	340	BENGALI	S AS	13745	0230	0330	.mtwtf.	Cyprus	250	359	RUSSIAN	RUSS
11855	1930	2000	smtwtfs	Ascension	250	55	HAUSA	W AF	13745	0330	0500	.mtwtf.	Rampisham	500	62	RUSSIAN	RUSS
11855	2030	2100	smtwtfs	Ascension	250	27	PORTUGUESE	W AF	13745	1400	1900	.mtwtf.	Rampisham	500	62	RUSSIAN	RUSS
11860	1400	1415	.mtw...	Seychelles	250	300	BBC ENGLISH	E AF	13745	1900	2030	smtwtfs	Rampisham	500	62	RUSSIAN	RUSS
11860	1400	1415	...tf.	Seychelles	250	300	SOMALI	E AF	13750	0800	0815	smtwtfs	Rampisham	500	76	RUSSIAN	RUSS
11860	1415	1500	smtwtfs	Seychelles	250	300	SOMALI	E AF	13755	1230	1315	s.....	Cyprus	250	295	ALBANIAN	SE EUR
11860	1500	1530	smtwtfs	Seychelles	250	270	ENGLISH	E AF	13755	1315	1330	smtwtfs	Cyprus	250	295	ALBANIAN	SE EUR
11860	1530	1615	smtwtfs	Seychelles	250	270	SWAHILI	E AF	13790	2200	2330	smtwtfs	Nakhon Sawan	250	25	MANDARIN	CHN
11860	1615	1700	s.....s	Seychelles	250	270	ENGLISH	E AF	15105	0700	0729	smtwtfs	Ascension	250	65	FRENCH	W AF
11860	1615	1630	.mtwtf.	Seychelles	250	270	SWAHILI	E AF	15105	1330	1345	smtwtfs	Ascension	250	55	BBC ENGLISH	W AF
11860	1630	1700	.mtwtf.	Seychelles	250	270	GREAT LAKES	E AF	15105	1345	1415	smtwtfs	Ascension	250	55	HAUSA	W AF
11860	1700	1746	smtwtfs	Seychelles	250	270	ENGLISH	E AF	15105	1800	1830	smtwtfs	Ascension	250	65	FRENCH	W AF
11860	1746	1800	smtwtfs	Seychelles	250	270	SWAHILI	E AF	15105	1915	1930	smtwtfs	Ascension	250	65	BBC ENGLISH	W C AF
11860	1800	1830	smtwtfs	Seychelles	250	300	SOMALI	E AF	15105	1930	2000	smtwtfs	Ascension	250	65	HAUSA	W AF
11865	0100	0200	smtwtfs	Cyprus	250	77	PASHTO	W AS	15105	2030	2100	smtwtfs	Woofferton	250	170	PORTUGUESE	W AF
11865	0200	0300	smtwtfs	Rampisham	500	85	PASHTO	W AS	15115	0330	0400	.mtwtf.	Cyprus	250	359	RUSSIAN	RUSS
11865	0300	0329	smtwtfs	Rampisham	500	140	SWAHILI	E AF	15115	0400	0500	.mtwtf.	Woofferton	250	74	RUSSIAN	RUSS
11865	1700	1705	.mtwtf.	Skelton	300	110	CROATIAN	SE EUR	15115	0600	0615	smtwtfs	Cyprus	300	359	RUSSIAN	RUSS
11895	1100	1110	.mtwtf.	Cyprus	250	314	CROATIAN	SE EUR	15115	1230	1315	s.....	Rampisham	500	115	ALBANIAN	SE EUR
11920	1100	1130	smtwtfs	Singapore	250	140	INDONESIAN	SE AS	15115	1315	1330	smtwtfs	Rampisham	500	115	ALBANIAN	SE EUR
11920	1400	1500	smtwtfs	Masirah	100	45	HINDI	S AS	15130	1400	1430	smtwtfs	Rampisham	500	76	UKRAINIAN	UKR
11920	1400	1500	smtwtfs	A'Seela	250	60	HINDI	S AS	15155	1400	1415	smtwtfs	Nakhon Sawan	250	305	PERSIAN/PASH	ME
11920	1500	1600	smtwtfs	Cyprus	250	107	URDU	SW AS	15155	1415	1515	smtwtfs	Nakhon Sawan	250	305	PERSIAN	ME
11940	0500	1700	smtwtfs	Meyerton	100	15	ENGLISH	S AF	15180	1200	1630	smtwtfs	Rampisham	500	168	ARABIC	N AF
11945	0900	1030	smtwtfs	Nakhon Sawan	250	25	ENGLISH	FE	15180	1630	1800	smtwtfs	Cyprus	250	280	ARABIC	N AF
11945	1030	1100	smtwtfs	Nakhon Sawan	250	25	BBC ENGLISH	FE	15180	1800	1830	smtwtfs	Rampisham	500	168	FRENCH	N AF
11945	1100	1300	smtwtfs	Nakhon Sawan	250	25	MANDARIN	CHN	15185	0330	0600	smtwtfs	Masirah	100	280	ARABIC	ME
11945	1300	1345	smtwtfs	Singapore	250	90	INDONESIAN	SE AS	15185	0330	0600	smtwtfs	A'Seela	250	290	ARABIC	ME
11945	1345	1430	smtwtfs	Singapore	250	340	BURMESE	SE AS	15185	0600	0730	smtwtfs	Cyprus	300	150	ARABIC	ME
11945	1430	1500	smtwtfs	Singapore	250	13	VIETNAMESE	SE AS	15190	0900	1000	.mtwtf.	Ascension	250	235	ENGLISH	S AM
11945	2100	2200	smtwtfs	Yamata	300	290	ENGLISH	FE	15190	1000	1130	s.....s	Ascension	250	235	ENGLISH	S AM
11945	2200	2300	smtwtfs	Yamata	300	290	MANDARIN	CHN	15190	1100	1700	s.....s	Antigua	125	205	ENGLISH	S AM
11945	2300	0030	smtwtfs	Yamata	300	290	ENGLISH	FE	15190	1100	1130	.mtwtf.	Antigua	125	205	ENGLISH	CARIB
11955	0000	0100	smtwtfs	Nakhon Sawan	250	275	ENGLISH	S AS	15190	1100	1700	s.....s	Antigua	125	300	ENGLISH	CARIB
11955	0100	0300	smtwtfs	Masirah	100	45	ENGLISH	S AS	15190	1100	1130	.mtwtf.	Antigua	125	300	ENGLISH	CARIB
11955	0100	0300	smtwtfs	A'Seela	250	63	ENGLISH	S AS	15190	1130	1200	.mtwtf.	Antigua	125	205	ENGLISH	CARIB
11955	0100	0300	smtwtfs	Masirah	100	92	ENGLISH	S AS	15190	1130	1200	.mtwtf.	Antigua	125	300	ENGLISH	CARIB
11955	0500	0900	smtwtfs	Nakhon Sawan	250	150	ENGLISH	SE AS	15190	1200	1221	.mtwtf.	Antigua	125	205	ENGLISH	CARIB
11955	1600	1630	smtwtfs	Lampertheim	100	75	UKRAINIAN	UKR	15190	1200	1221	.mtwtf.	Antigua	125	300	ENGLISH	CARIB
11955	1630	1700	smtwtfs	Lampertheim	100	75	BBC ENGLISH	UKR	15190	1221	1700	.mtwtf.	Antigua	125	205	ENGLISH	S AM
11955	1700	1730	smtwtfs	Woofferton	250	114	ALBANIAN	SE EUR	15190	1221	1700	.mtwtf.	Antigua	125	300	ENGLISH	CARIB
11955	1730	1745	.m.w...	Woofferton	250</												

15280	2200	2300	smtwtfs	Nakhon Sawan	250	25	MANDARIN	CHN	15470	1900	2000	...tf.	Nakhon Sawan	250	305	PERSIAN	ME
15280	2300	0530	smtwtfs	Nakhon Sawan	250	40	ENGLISH	FE	15485	0600	1800	smtwtfs	Skelton	300	180	ENGLISH	W EUR
15285	1300	1530	smtwtfs	Singapore	100	13	MANDARIN	FE	15495	1700	1730	smtwtfs	Rampisham	500	76	AZERI	C AS
15310	0000	0300	smtwtfs	Nakhon Sawan	250	290	ENGLISH	S AS	15540	1400	1445	smtwtfs	Cyprus	250	102	HINDI	S AS
15310	0300	0600	smtwtfs	A'Seela	250	63	ENGLISH	S AS	15540	1500	1530	smtwtfs	Cyprus	250	92	NEPALI	S AS
15310	0300	0600	smtwtfs	Masirah	100	92	ENGLISH	S AS	15540	1530	1545	smtwtfs	Cyprus	250	92	BBC ENGLISH	S AS
15310	0500	0600	smtwtfs	Masirah	100	45	ENGLISH	S AS	15555	0900	1630	smtwtfs	Cyprus	250	150	ARABIC	ME
15310	0600	1800	smtwtfs	Nakhon Sawan	250	290	ENGLISH	S AS	15565	0500	1800	smtwtfs	Rampisham	500	62	ENGLISH	RUSS
15310	1800	2000	smtwtfs	Nakhon Sawan	250	300	ENGLISH	ME	15575	0300	0500	smtwtfs	A'Seela	250	10	ENGLISH	ME
15325	0600	0615	smtwtfs	Rampisham	500	47	RUSSIAN	RUSS	15575	0300	0500	smtwtfs	Masirah	100	330	ENGLISH	ME
15325	0800	0815	smtwtfs	Rampisham	500	47	RUSSIAN	RUSS	15575	0500	0730	.mtwtf.	Cyprus	250	92	ENGLISH	W AS
15325	0930	1000	s.....	Rampisham	500	47	RUSSIAN	RUSS	15575	0730	0900	s.....s	Cyprus	250	92	ENGLISH	W AS
15325	1000	1015	smtwtfs	Rampisham	500	47	RUSSIAN	RUSS	15575	0900	1200	smtwtfs	Cyprus	250	92	ENGLISH	W AS
15325	1015	1030	smtwtfs	Rampisham	500	47	BBC ENGLISH	RUSS	15575	1200	1500	smtwtfs	Cyprus	250	117	ENGLISH	ME
15325	1030	1045	smtwtfs	Rampisham	500	105	SERBIAN	SE EUR	15585	1700	1730	smtwtfs	Woofferton	300	114	ALBANIAN	SE EUR
15325	1100	1110	.mtwtf.	Rampisham	500	105	CROATIAN	SE EUR	15585	1730	1745	.m.w...	Woofferton	300	114	BBC ENGLISH	SE EUR
15325	1200	1205	.mtwtf.	Cyprus	250	50	RUSSIAN	RUSS	15595	1345	1430	smtwtfs	Singapore	100	315	BURMESE	SE AS
15325	1205	1215	s.....s	Cyprus	250	50	RUSSIAN	RUSS	15595	1500	1530	.mtwtf.	Rampisham	500	62	KAZAKH	C AS
15325	1235	1300	smtwtfs	Cyprus	250	102	THAI	ME	17585	1200	1630	smtwtfs	Skelton	300	180	ARABIC	N AF
15325	1300	1330	.mtwtf.	Greenville	250	164	SPANISH	C S AM	17595	1200	1205	s.....s	Lampertheim	100	77	RUSSIAN	RUSS
15335	0930	1000	s.....	Cyprus	250	50	RUSSIAN	RUSS	17595	1205	1215	smtwtfs	Lampertheim	100	77	RUSSIAN	RUSS
15335	1000	1015	smtwtfs	Cyprus	250	50	RUSSIAN	RUSS	17605	0730	1200	smtwtfs	Skelton	300	180	ARABIC	N AF
15335	1015	1030	smtwtfs	Cyprus	250	50	BBC ENGLISH	RUSS	17615	0000	0030	smtwtfs	Nakhon Sawan	250	25	ENGLISH	FE
15360	0000	0330	smtwtfs	Singapore	100	13	ENGLISH	SE AS	17615	0030	0100	smtwtfs	Nakhon Sawan	250	25	BBC ENGLISH	FE
15360	0500	0900	smtwtfs	Singapore	125	25	ENGLISH	SE AS	17615	0100	0200	smtwtfs	Nakhon Sawan	250	300	PASHTO	SW AS
15360	0500	0900	smtwtfs	Singapore	125	135	ENGLISH	SE AS	17615	0200	0230	smtwtfs	Nakhon Sawan	250	300	PERSIAN	ME
15360	0900	1030	smtwtfs	Nakhon Sawan	250	45	ENGLISH	FE	17615	0230	0300	smtwtfs	Nakhon Sawan	250	300	HINDI	S AS
15365	1400	1415	.mtwtf.	Rampisham	500	105	SERBIAN	SE EUR	17615	2200	2330	smtwtfs	A'Seela	250	50	MANDARIN	CHN
15380	0100	0130	smtwtfs	Nakhon Sawan	250	305	HINDI	S AS	17615	2200	2330	smtwtfs	Cyprus	250	77	MANDARIN	CHN
15380	0130	0200	smtwtfs	Nakhon Sawan	250	305	URDU	S AS	17635	0300	0500	smtwtfs	Nakhon Sawan	250	25	ENGLISH	FE
15380	1615	1900	smtwtfs	Singapore	100	315	PERSIAN	ME	17640	0400	0700	smtwtfs	Cyprus	250	173	ENGLISH	E AF
15380	1900	2000	...tf.	Singapore	100	315	PERSIAN	ME	17640	0700	1500	smtwtfs	Woofferton	250	70	ENGLISH	RUSS
15390	2115	2130	.mtwtf.	Greenville	250	174	ENGLISH	CARIB	17640	0700	1500	smtwtfs	Skelton	300	140	ENGLISH	EUR
15390	2230	2300	smtwtfs	Ascension	250	245	BRAZILIAN	S AM	17655	0230	0300	smtwtfs	Irkutsk	250	224	HINDI	S AS
15400	0529	0559	s.....s	Meyerton	250	7	GREAT LAKES	E AF	17655	0810	0820	smtwtfs	Irkutsk	250	224	HINDI	S AS
15400	0700	1000	.mtwtf.	Ascension	250	27	ENGLISH	W AF	17680	1400	1415	smtwtfs	Cyprus	300	77	PERSIAN/PASH	ME
15400	1000	1100	s.....s	Ascension	250	27	ENGLISH	W AF	17680	1415	1515	smtwtfs	Cyprus	300	77	PERSIAN	ME
15400	1100	1130	smtwtfs	Ascension	250	27	ENGLISH	W AF	17680	1515	1615	smtwtfs	Cyprus	300	77	PASHTO	W AS
15400	1500	2300	smtwtfs	Ascension	250	27	ENGLISH	W AF	17695	0700	0729	smtwtfs	Meyerton	500	350	FRENCH	C AF
15405	0230	0300	smtwtfs	Nakhon Sawan	250	305	HINDI	S AS	17695	0800	0815	smtwtfs	Lampertheim	100	77	RUSSIAN	RUSS
15405	0600	0629	smtwtfs	Cyprus	250	280	FRENCH	N AF	17695	0930	1000	s.....	Lampertheim	100	77	RUSSIAN	RUSS
15405	0800	0810	smtwtfs	Nakhon Sawan	250	300	BENGALI	S AS	17695	1000	1015	smtwtfs	Lampertheim	100	77	RUSSIAN	RUSS
15405	0810	0820	smtwtfs	Nakhon Sawan	250	300	HINDI	S AS	17695	1015	1030	smtwtfs	Lampertheim	100	77	BBC ENGLISH	RUSS
15405	0820	0830	smtwtfs	Nakhon Sawan	250	300	URDU	S AS	17700	1100	1400	smtwtfs	Masirah	100	45	ENGLISH	S AS
15420	0329	0600	smtwtfs	Seychelles	250	280	ENGLISH	E AF	17700	1100	1700	smtwtfs	A'Seela	250	63	ENGLISH	S AS
15420	0700	0900	....f.	Masirah	100	330	PASHTO	W AS	17700	1100	1400	smtwtfs	Masirah	100	92	ENGLISH	S AS
15420	0700	0800	....t..	Masirah	100	330	PERSIAN/PASH	ME	17700	1400	1700	smtwtfs	Masirah	100	70	ENGLISH	S AS
15420	0700	0900	....f.	A'Seela	250	350	PASHTO	SW AS	17720	1300	1345	smtwtfs	Nakhon Sawan	250	150	INDONESIAN	SE AS
15420	0700	0800	....t..	A'Seela	250	350	PERSIAN/PASH	ME	17740	0600	0615	smtwtfs	Cyprus	250	7	RUSSIAN	RUSS
15420	0730	0800	smtw..s	Masirah	100	330	PASHTO	W AS	17760	0500	1030	smtwtfs	Singapore	100	13	ENGLISH	SE AS
15420	0730	0800	smtw..s	A'Seela	250	350	PASHTO	SW AS	17760	1030	1400	smtwtfs	Nakhon Sawan	250	45	ENGLISH	FE
15420	0800	1100	....t..	Masirah	100	330	PERSIAN	ME	17780	1200	1230	smtwtfs	Ascension	250	27	FRENCH	W AF
15420	0800	0845	smtw..s	Masirah	100	330	PERSIAN/PASH	ME	17780	1230	1245	smtwtfs	Ascension	250	27	BBC ENGLISH	W AF
15420	0800	1100	....t..	A'Seela	250	350	PERSIAN	ME	17790	0000	0300	smtwtfs	Singapore	100	315	ENGLISH	S AS
15420	0800	0845	smtw..s	A'Seela	250	350	PERSIAN/PASH	ME	17790	0300	0700	smtwtfs	Nakhon Sawan	250	280	ENGLISH	S AS
15420	0900	1100	....f.	Masirah	100	330	PERSIAN	ME	17790	0700	0805	smtwtfs	Masirah	100	45	ENGLISH	S AS
15420	0900	1100	....f.	A'Seela	250	350	PERSIAN	ME	17790	0700	0805	smtwtfs	A'Seela	250	63	ENGLISH	S AS
15420	1000	1100	smtw..s	Masirah	100	330	PERSIAN	ME	17790	0700	0805	smtwtfs	Masirah	100	92	ENGLISH	S AS
15420	1000	1100	smtw..s	A'Seela	250	350	PERSIAN	ME	17790	0810	0820	smtwtfs	Masirah	100	45	HINDI	S AS
15420	1100	1200	smtw..s	Masirah	100	330	PASHTO	W AS	17790	0810	0820	smtwtfs	A'Seela	250	63	HINDI	S AS
15420	1100	1200	...tf.	Masirah	100	330	PASHTO	W AS	17790	0810	0820	smtwtfs	Masirah	100	92	HINDI	S AS
15420	1100	1200	smtw..s	A'Seela	250	350	PASHTO	SW AS	17790	0820	0830	smtwtfs	Masirah	100	45	URDU	SW AS
15420	1100	1200	...tf.	A'Seela	250	350	PASHTO	SW AS	17790	0820	0830	smtwtfs	A'Seela	250	63	URDU	S AS
15420	1200	1230	smtw..s	Masirah	100	330	PASHTO	W AS	17790	0820	0830	smtwtfs	Masirah	100	92	URDU	SW AS
15420	1200	1230	...tf.	Masirah	100	330	PASHTO	W AS	17790	0900	1100	smtwtfs	Masirah	100	45	ENGLISH	S AS
15420	1200	1230	smtw..s	A'Seela	250	350	PASHTO	SW AS	17790	0900	1100	smtwtfs	A'Seela	250	63	ENGLISH	S AS
15420	1200	1230	...tf.	A'Seela	250	350	PASHTO	SW AS	17790	0900	1100	smtwtfs	Masirah	100	92	ENGLISH	S AS
15420	1230	1300	smtw..s	Masirah	100	330	PERSIAN/PASH	ME	17790	1100	1130	smtwtfs	Ascension	250	245	ENGLISH	S AM
15420	1230	1300	...tf.	Masirah	100	330	PERSIAN/PASH	ME	17810	1345	1415	smtwtfs	Ascension	250	55	HAUSA	W AF
15420	1230	1300	smtw..s	A'Seela	250	350	PERSIAN/PASH	ME	17830	0800	1000	.mtwtf.	Ascension	250	65	ENGLISH	W C AF
15420	1230	1300	...tf.	A'Seela	250	350	PERSIAN/PASH	ME	17830	1000	1100	s.....s	Ascension	250	65	ENGLISH	W C AF
15420	1300	1400	smtwtfs	Seychelles	250	280	ENGLISH	E AF	17830	1100	2100	smtwtfs	Ascension	250	65	ENGLISH	W C AF
15420	1400	1415	.mtw...s	Seychelles	250	295	BBC ENGLISH	E AF	17860	1500	1800	smtwtfs	Rampisham	500	47	RUSSIAN	RUSS
15420	1400	1415	...tf.	Seychelles	250	295	SOMALI	E AF	17870	0700	0800	....f.	Cyprus	300	77	PASHTO	W AS
15420	1415	1500	smtwtfs	Seychelles	250	295	SOMALI	E AF	17870	0700	0800	....t..	Cyprus	300	77	PERSIAN/PASH	ME
15420	1500	1530	smtwtfs	Seychelles	250	280	ENGLISH	E AF	17870	0800	0900	smtw.fs	Cyprus	300	77	PASHTO	W AS
15420	1530	1615	s.....s	Seychelles	250	280	SWAHILI	E AF	17870	0800	0900	....t..	Cyprus	300	77	PERSIAN	ME
15420	1615	1630	s.....s	Seychelles	250	280	ENGLISH	E AF	17870	0800	0845	smtw..s	Cyprus	300	77	PERSIAN/PASH	ME
15420	1615	1630	.mtwtf.	Seychelles	250	280	SWAHILI	E AF	17870	0900	1000	...tf.	Cyprus	300	77	PERSIAN	ME
15420	1630	1700	smtwtfs	Seychelles	250	280	ENGLISH	E AF	17870	1000	1100	smtwtfs	Cyprus	300	77	PERSIAN	ME
15420	1700	1900	smtwtfs	Meyerton	250	19	ENGLISH	S AF	17870	1100	1230	smtwtfs	Cyprus	300	77	PASHTO	W AS
15450	1800	1830	smtwtfs	Woofferton	300	126											























French	2000-2030	15485	19	Jülich, Germany	Russian	0300-0330	11775	25	Abu Dhabi, UAE
Arabic	0600-0700	15470	19	Moosbrunn, Austria	Russian	1330-1400	17740	16	Abu Dhabi, UAE
Arabic	1900-2000	15175	19	Moosbrunn, Austria	SOUTHERN ASIA				
English	0500-0530	5960			English	0030-0100	6055		
		6015	49	Meyerton, South Africa	English		6035	49	Abu Dhabi, UAE
English	0530-0630	15105	19	Meyerton, South Africa	English	0200-0230	9820	31	Moosbrunn, Austria
English	1800-1830	5970			English	1330-1400	15320	19	Abu Dhabi, UAE
		6095	49	Meyerton, South Africa	Farsi	0230-0300	6145	49	Abu Dhabi, UAE
English	2000-2100	9745	31	Meyerton, South Africa	Hindi	0000-0030	6055		
French	0430-0500	9845	31	Meyerton, South Africa			6035	49	Abu Dhabi, UAE
French	2000-2030	9780	25		Hindi	1530-1600	11890	25	
		7170	42	Meyerton, South Africa			15195	19	Agat, Guam
Fulfulde	1900-1930	11640	25	Meyerton, South Africa	Hindi	1530-1600	13705	22	Abu Dhabi, UAE
Hausa	0600-0630	15345	19	Meyerton, South Africa	Nepali	1500-1530	11890	25	Agat, Guam
Hausa	1930-2000	9745	31	Meyerton, South Africa	Nepali	1500-1530	17630	16	Abu Dhabi, UAE
Igbo	0530-0600	15345	19	Meyerton, South Africa	Punjabi	1500-1530	13705	22	Abu Dhabi, UAE
Igbo	1930-2000	11640	25	Meyerton, South Africa	Punjabi	1500-1530	15195	19	Agat, Guam
Yoruba	0500-0530	15105	19	Meyerton, South Africa	Urdu	0230-0300	9820	31	Moosbrunn, Austria
Yoruba	2030-2100	7170	41	Meyerton, South Africa	Urdu	1400-1500	15320	19	Abu Dhabi, UAE
Afar	1700-1730	17870	16	Abu Dhabi, UAE	Urdu	1600-1630	11850	25	Agat, Guam
Amharic	0300-0330	11975	25	Abu Dhabi, UAE	Bangla	1300-1330	15320	19	Abu Dhabi, UAE
Amharic	1700-1730	15520	19	Abu Dhabi, UAE	Bangla	1330-1400	15385	19	Agat, Guam
Arabic	0500-0600	15470	19	Moosbrunn, Austria	English	0030-0100	6055		
Arabic	1800-1900	17660	16	Moosbrunn, Austria			6035	49	Abu Dhabi, UAE
English	0400-0430	7235	42	Meyerton, South Africa	English	1300-1330	15385	19	Agat, Guam
English	0430-0500	11975	25	Meyerton, South Africa	English	1630-1700	11850	25	Agat, Guam
English	0500-0530	5960			English	1630-1700	9600	31	Abu Dhabi, UAE
		6015	49	Meyerton, South Africa	Hindi	0000-0030	6035		
English	0600-0630	15105	19	Meyerton, South Africa			6055	49	Abu Dhabi, UAE
English	1800-1830	5970			Hindi	1400-1430	17820	16	Abu Dhabi, UAE
		6095	49	Meyerton, South Africa	Hindi	1530-1600	11890	25	Agat, Guam
English	1800-1900	7170	42	Meyerton, South Africa	Hindi	1530-1600	15195	19	Agat, Guam
English	2000-2100	9745	31	Meyerton, South Africa	Kannada	1430-1500	17860	16	Abu Dhabi, UAE
French	2000-2030	9780	31		Kannada	1530-1600	15575	19	Agat, Guam
		7170	42	Meyerton, South Africa	Malayalam	1530-1600	11850	25	Agat, Guam
Malagasy	0230-0330	3215	90	Talata, Madagascar	Malayalam	1530-1600	17630	16	Abu Dhabi, UAE
Malagasy	1530-1630	3215	90	Talata, Madagascar	Marathi	1600-1630	9600	31	Abu Dhabi, UAE
Masaai	1730-1800	12130	25	Meyerton, South Africa	Sinhala	1430-1500	17630	16	Abu Dhabi, UAE
Oromo	0300-0330	11710	25	Moosbrunn, Austria	Tamil	1330-1400	17860	16	Abu Dhabi, UAE
Oromo	1730-1800	17870	16	Abu Dhabi, UAE	Tamil	1500-1530	11850	25	Agat, Guam
Somali	0330-0400	11955	25	Abu Dhabi, UAE	Telugu	1400-1430	17860	16	Abu Dhabi, UAE
Somali	1630-1700	17870	16	Abu Dhabi, UAE	Telugu	1500-1530	15575	19	Agat, Guam
Swahili	0400-0430	11975	25	Meyerton, South Africa	Urdu	1600-1630	11850	25	Agat, Guam
Swahili	1700-1730	12130	25	Meyerton, South Africa	NORTHEAST ASIA				
Tigrinya	0300-0330	11945	25	Abu Dhabi, UAE	English	1330-1400	11705		
Tigrinya	1730-1800	15520	19	Abu Dhabi, UAE			11980	25	Agat, Guam
EUROPE:					English	2130-2200	11850		
English	1930-2000	7130	42	Rimavska Sobota,			11980	25	Agat, Guam
Slovakia					Japanese	1300-1330	11705		
German	0700-0730	7230	42	Moosbrunn, Austria			11980	25	Agat, Guam
German	1500-1530	7165	42	Moosbrunn, Austria	Japanese	2100-2130	11850		
Bulgarian	0400-0500	9570	31	Jülich, Germany			11980	25	Agat, Guam
Bulgarian	1700-1800	15235	19	Jülich, Germany	Korean	1200-1300	9720	31	Agat, Guam
Italian	0900-1000	11880	25	Jülich, Germany Sat/Sun	Korean	2000-2100	9740	31	
Romanian	1600-1700	15360	19	Jülich, Germany			11960	25	Agat, Guam
MIDDLE EAST					Mandarin	0000-0200	12120	25	Agat, Guam
Arabic	1700-1800	15460	19	Moosbrunn, Austria	Mandarin	1100-1200	11560	25	Agat, Guam
Arabic	0400-0500	15470	19	Moosbrunn, Austria	Mandarin	2200-0000	12120	25	Agat, Guam
Arabic	1800-1900	17660	16	Moosbrunn, Austria	English	1000-1100	11560	25	Agat, Guam
English	0200-0230	9820	31	Moosbrunn, Austria	Mandarin	0000-0200	17635	16	Agat, Guam
English	1630-1700	9385	31		Mandarin	1000-1500	15615	19	Agat, Guam
		17630	16	Agat, Guam	Mandarin	2200-0000	17635	16	Agat, Guam
Farsi	0230-0300	6145	49	Abu Dhabi, UAE	Mandarin	0000-0200	15370	19	Agat, Guam
Farsi	0330-0400	11665	25	Moosbrunn, Austria	Mandarin	1000-1100	15510	19	Agat, Guam
Farsi	1630-1700	15410	19	Moosbrunn, Austria	Mandarin	1100-1200	11975	25	Agat, Guam
Tagalog	1600-1630	9385	31		Mandarin	1200-1300	11775	25	
		17630	16	Agat, Guam			15150	19	Agat, Guam
CENTRAL ASIA					Mandarin	1400-1500	11880	25	Agat, Guam
English	0330-0400	11775	25	Abu Dhabi, UAE	Mandarin	2100-2200	15265	19	Agat, Guam
English	1300-1330	17740	16	Abu Dhabi, UAE	Mandarin	2300-0000	12010	25	Agat, Guam
Mandarin	1100-1300	17835	16	Abu Dhabi, UAE	SOUTHEAST ASIA				

Bangla	1300-1330	15385	19	Agat, Guam	Indonesian	2200-2230	11850	25	
Burmese	1400-1500	11930	25	Agat, Guam			15320	19	Agat, Guam
Chin	0000-0030	11770	25	Agat, Guam	Javanese	1130-1200	15205	19	Agat, Guam
Chin	1400-1430	15380	19	Agat, Guam	Javanese	2230-2300	11850	25	
English	1330-1400	15385	19	Agat, Guam			15320	19	Agat, Guam
Karen	0030-0100	11770	25	Agat, Guam	Tagalog	1030-1100	11930	25	Agat, Guam
Karen	1430-1500	15380	19	Agat, Guam	Vietnamese	0100-0200	15445	19	Taiwan
English	1000-1030	11930	25	Agat, Guam	Vietnamese	1400-1500	15490	19	Taiwan
Indonesian	1100-1130	15205	19	Agat, Guam	Vietnamese	2300-0000	15320	19	Agat, Guam

(AWR Webpage via JKB, Last updated: 22 May 2002 given by AWR - but HTTP command shows Last-Modified stamp: 14 Jun 2002)

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## Sources & Contributors:

ADDX       Assoziation deutschsprachiger DXer - Duesseldorf, Germany.  
 BC-DX       News Bulletin by Wolfgang W. Bueschel - Germany.  
 JKB         Dr. Juergen Kubiak, Berlin - Germany.  
 RUS-DX     Information bulletin of Russian DX League - Russia.  
 WB         Wolfgang W. Bueschel, Stuttgart - Germany.

## Abbreviations:

<i>Target:</i>	<i>Target Prefix:</i>
ITU country code or	N North
Af Africa	E East
Am America	S South
As Asia	W West
Eu Europe	C Central
ME Middle East	
FSU Former Soviet Union	

<i>Languages:</i>	<i>Other common abbreviations:</i>
Ar Arabic	bc broadcast
Ch Chinese	lsb Lower Side Band Mode
Du Dutch	nd non-directional
E English	px program
F French	sce(d),
G German	sked schedule
Gr Greek	ssb Single Sideband Mode
I Italian	tx(er) transmitter
J Japanese	usb Upper Side Band Mode
K Korean	mm/dd/yy Date (month/day/year)
P Portuguese	ddmmyy (daymonthyear)
R Russian	dd.mm.yy (day.month.year)
Sp Spanish	
Turk Turkish	

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/



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## THE SHORTWAVE SCENE IN TAIWAN

by Dr. Adrian Peterson

The SW scene on the island of Taiwan is at the same time, both very interesting and very complex, and it stretches back over long eras of time with a multitude of different tx locations. The first known SW bcs from this large island at the edge of the western Pacific went on the air back at the time when Taiwan was known as Formosa, and the capital city Taipei was known as Tai Ho Ku (TIE-HOE-KOO).

As noted in a previous edition of *Wavescan*, the first SW bcs in Taiwan were a relay from a mediumwave stn JFAB, apparently using the facilities of a communication stn with the callsign JFA. Back in the pre-war days, there is only one known QSL from Taiwan, the island that locals say is shaped like a tobacco leaf, and that was received by a listener in Sydney, Australia.

Soon after the close of the Pacific War, large numbers of Ch people migrated very quickly from the mainland to the nearby island of Taiwan. One of the major results of this shifting political situation was the construction of a large number of SW stns, both for local coverage as well as for international coverage.

It is safe to state that more than forty SW stns have been on the air over the years from Taiwan. Two thirds of these stns were quite small low powered operations for local coverage, whereas other stns were established for national and international coverage.

The first new SW stn on Taiwan was erected somewhere around the year 1957. This was a 50 kW unit and apparently located at Panchiao (PAHN-CHOW) on the western edge of Taipei. Other stns followed in many different locations, though always on the coast or near the coastal areas.

It is reported that most of the large SW stns on Taiwan were erected with financial support from the United States. These large stns have been noted on the air over the years with American progrming, and with locally produced progrming also. In fact, at one stage some years ago, both R Liberty and the Voice of Free China were issuing QSL cards for the same bcs.

The location names of most of the SW stns on Taiwan are known, though it is not always clear just which stn has been on the air with which progrming. It can be equally difficult to find a particular location on a large map.

When searching for a tx location on the island of Taiwan, it is necessary to use a map that transliterates the location names from Chinese into En in the same way as the names are given in radio publications, otherwise it is almost impossible to locate these facilities.

A large number of local SW stns have been on the air from locations all around the island and these have been owned by both the Broadcasting Corporation of China as well as by local agencies, such as the police, the army, the air force and the civil defence authorities. Some units owned their own SW facilities whereas others leased air time over a nearby BCC stn.

All of the large SW stns in Taiwan that have been on the air with international progrming beamed to the Ch mainland and beyond have been located on the west coast of the island, in an arc stretching from the northern tip of the island down to about 150 km from the southern tip of the island. Many names have been given over the years as the location name for these large SW transmitting stns, and it would seem that in some cases the same location has been known under two or perhaps even three different location names.

Even to this day, it is not known exactly just how many large SW stns are on the air, nor where exactly they are all located, though these days not one of the small SW stns is now on the air. They were all closed progressively some years ago as FM coverage was extended to all areas of the entire island.

### - WHAT HAPPENED TO RADIO LIBERTY ON TAIWAN?

These days, the story of R Liberty on the air from SW facilities on the island of Taiwan is almost forgotten. Better known is Radio Liberty in Europe, with its large tx bases located at Lampertheim (LUMP-AIR-TIME) in Germany, and Pals in Spain.

Radio Liberty on Taiwan was on the air for a period approaching 20 years. The initial bcs went on the air SW on May 1, 1955, using at first a 1 kW tx, supplemented a little later with a 25 kW unit.

The original tx location was at Panchao (PAHN-CHOW) which is located just beyond the western edge of their capital city, Taipei. This was an interim location while a new base was constructed at Pali (PAH-LEE), on the coast 20 km north of Taipei.

Originally, the international radio stn at Pali contained four shortwave txs at 50 kW each, three of which were on the air with the international programming of R Liberty. The Beijing Corporation of China, BCC, and the Voice of Free China, VOFC, used one transmitter exclusively and the other three when available.

The programming from R Liberty Taiwan, it is stated, was beamed to the eastern areas of Russia and Siberia, though it would appear that they were also on the air in Ch to the nearby mainland. QSL cards were issued for the R Liberty Taiwan bcs from the address in Germany, and at one stage, also by the Voice of Free China.

This station, R Liberty Taiwan, left the air at the end of the bc schedule on the last day of the year 1973, thus closing its almost 20 year history. The txs at Pali were taken into full time usage by BBC and VOFC, though in more recent time they have been replaced by larger units at 100 kW, five of which are listed as in current usage.

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## QSL CORNER

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

Country	Station	QSL	Time	ORG	Remarks	OM
Clandestine	Radio Rainbow	L	30 ds	11840	v/s, T. Assefa	RAD
Colombia	La Voz del Llano	L	50 ds	6.115	Rafael Rodriguez in Bogota	RAD
Croatia	HRT Hrvatska R.televisija	C		11.805	v/s, Dane Pavlic	DC
Croatia	Boufaric Radio	C	55 ds	8698	v/s, as Le chef du	DC
England	RTE Ireland	L	19 ds	6.155	v/s, Julie Hayde	RAD
Honduras	Radio Litoral	C	327 ds	4.830	v/s, Jerome Antonio, Dj for Radio Litoral	RAD
Honduras	Radio Litoral	L	6 months	4.830	v/s, Jerome Antonio, Dj for Radio Litoral	DC
Pirate (Euro)	JRRI Radio	f/d cd	53 ds	6.239	v/s, Joe Vincent	RAD
Pirate (Euro)	Radio Borderhunter	f/d cd	69 ds	15795	v/s, Frans	RAD
Pirate (N Am)	Z-100	e-mail		6.955	v/s, Bill Kelly	RAD
Pirate (N am)	United Patriot Militia Bingo	f/d cd	26 ds	6.925		RAD
Taiwan	CBS/R. Taipei Int.	f/d cd	18 ds	6.265	Signed "CBS Staff"	RAD
Vatican	Voice of Russia	f/d cd	1 ds	9.765	Mrs. Elena Osipova, letters	RAD
Brazil	Radio Senado	letter	105 ds	5.990	v/s, Lourdes Maria V.G. Carneiro	DC

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RD = Richard A. D'Angelo, Wyomissing, PA, USA - Drake R-88, Lowe HF-150, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4



# DX LOGBOOK

## Logs around the clock

by Ashok Kumar Bose, Apt. #421, 3420 Morning Star Drive, Mississauga, ON, L4T 1X9, Canada  
E-Mail: logbook@wwdxc.de

### LONG & MEDIUM WAVE BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
162.0	1355	344	F	Radio France International	French	Discussions	1305	EA
177.0	1350	455	D	DLR Zehlendorf	German	Pop Music and ID	1305	EA
198.0	1345	333	G	BBC Radio 4	English	ID and Program	1305	EA
207.0	1340	444	D	DLF	German	Weather Reports	1305	EA
225.0	1335	444	POL	Radio Polonia 1	Polish	Folk Music	1305	EA
243.0	1330	444	DNK	Radio Danmark 1	Danish	Talk Program	1305	EA
252.0	1325	444	IRL	Radio 252	English	ID,Talk,Pop Music	1305	EA
567.0	1320	343	D	SFB,Berlin	German	Multi Cultural Program	1305	EA
567.0	1510	444	D	Bayern 4	German	International Program	0905	EA
576.0	1520	444	D	Mega Radio	German	Pop Music and ID	0905	EA
603.0	1250	243	D	Voice of Russia	Russian	Classical Music and Talk	1305	EA
603.0	1525	343	D	Stimme Russlands	German	Kulturreport,ID	0905	EA
612.0	1530	444	D	Power Radio	German	Non stop Pop Music	0905	EA
630.0	1535	444	D	Mega Radio	German	Werbung ID	0905	EA
648.0	1540	344	G	BBC World Service	English	Report on Terrorism	0905	EA
666.0	2030	333	D	SWR 4	German	Music and ID	0905	EA
675.0	1545	232	HOL	Radio Teen FM	Dutch	Oldies ID Jingle	0905	EA
693.0	1550	444	D	Mega Radio	German	Pop Music and ID	0905	EA
702.0	1555	444	D	NDR 4 Flensburg	German	Report	0905	EA
720.0	2035	344	D	WRD 2	German	ID Grube	0905	EA
738.0	2040	433	E	RNE	Spanish	Interview	0905	EA
747.0	1315	344	HOL	NOS 1 Flevoland	Dutch	Talk,Px and Music	1305	EA
756.0	1615	344	D	DLF	German	ID and Report	0905	EA
765.0	2045	444	SUI	SRI Sottens	French	ID and Program	0905	EA
783.0	1620	343	D	MFR Info	German	Sport News and ID	0905	EA
801.0	2050	343	D	Bayern 1	German	Night Program and ID	0905	EA
936.0	1500	343	D	Radio Bremen	German	ID,News and Weather	1205	EA
972.0	1255	444	D	NDR 4 Hamburg	German	Marienerscheinung	1305	EA
990.0	1300	344	D	DLR Berlin	German	Tango Music and ID	1305	EA
1179.0	1505	444	S	RSI Stockholm	Swedish	Talk Program	1205	EA
1296.0	1310	343	HOL	Radio Nacional	Dutch	Local Music,Advts and ID	1305	EA

### TROPICAL BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
3264.7	1224	333	INS	RRI,Garontalo	Indonesian	Jakarta New relay	1004	KH
3289.9	0935	322	EQA	Radio Centro	Spanish	Vocals and Talks	0505	RAD
3291.3	0210	333	GUY	Voice of Guyana	English	Phone in Program	1505	RAD
3310.0	1010	343	BOL	Radio Mosoj Chaski,Cochabamba	Ayamara	Nice Andean Music	2605	ALS

3325.0	1320	343	INS	RRI,Plangkaraya	Indonesian	Talk and ID	1004	KH
3365.0	2328	121	B	Radio Cultura, Araraquara	Portugese	Musical Program and iD	2205	NE
3376.0	1311	443	INS	RRI,Pontianak	Indonesian	Jakarta News relay	1104	KH
3905.0	1015	343	INS	RRI,Merauke	Indonesian	Musical Program,Comments	1304	NE
3955.0	2100	444	G	Radio Korea,Seoul via UK relay	English	News	2005	DG
4389.2	1038	242	PRU	Radio Imperio, Chiclayo	Spanish	Catholic Program	2605	ALS
4649.1	0106	242	BOL	Radio Santa Ana de Yacuma	Spanish	Romantic Music	2605	ALS
4716.7	2226	342	BOL	Radio Yura,Yura	Ayamara	Commentary ,Andean Music	2605	ALS
4746.7	1021	343	PRU	Radio Huanta 2000,Huanta	Spanish	Greetings,Ann and ID	2605	ALS
4753.5	1200	433	INS	RRI,Makassar	Indonesian	ID,News and Pops	0406	JY
4755.2	0905	343	B	Radio Educadora Rural	Portugese	Musical Program	1905	NE
4761.3	1025	242	BOL	Radio Guanay,Guanay	Spanish	Andean Music,Local Advts.	2605	ALS
4775.0	0120	242	PRU	Radio Tarma,Tarma	Spanish	Andean Tropical Music	2605	ALS
4781.2	2339	242	EQA	Radio Oriental,Tena	Spanish	Sports Program	2506	ALS
4796.4	2220	443	BOL	Radio Mallku,Uyuni	Ayamara	Romantic & Tropical Music	2505	ALS
4826.3	1045	242	PRU	Radio Sicuani	Spanish	Tropical Andean Music	2605	ALS
4855.8	0002	242	PRU	Radio La Hora,Cusco	Spanish	Sports Program	2605	ALS
4874.6	1020	222	INS	RRI, Sorong	Indonesian	Local Pops	0406	JY
4876.7	2159	343	BOL	Radio La Cruz del Sur,La Paz	Ayamara	Andean Folk Music and ID	2505	ALS
4919.1	0711	242	EQA	Radio Quito,Quito	Spanish	Romantic Music	2605	ALS
4925.0	1358	322	INS	RRI,Jambi	Indonesian	Dangdut Music	3005	JY
4940.0	0040	242	PRU	Radio San Antonio,Villa Atalaya	Spanish	Religious Talk	2605	ALS
4955.0	2355	3432	PRU	Radio Cultural Amauta,Huanta	Quechua	Huaynos,Short commentary	2505	ALS
4975.0	0745	343	PRU	Radio del Pacifico,Lima	Spanish	Christian Music	2605	ALS
5025.0	1947	233	UZB	Radio Tashkent	German	ID,Folk Music and News	1505	EA
5070.0	1038	433	USA	Emerald Radio via WWCR	English	Feature on Lighthouses	2504	RAD
5240.0	2337	242	CHN	Xizang PBS,Lhasa	Tibetian	Music and Program	2205	NE

## SHORTWAVE BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
5637.3	0110	242	PRU	Radio Peru,San Ignacio	Spanish	Romantic Music,Ann & ID	2605	ALS
5678.0	2332	242	PRU	Radio Ilucan,Cutervo	Spanish	Huayanos,Greetings,ID	2505	ALS
5748.0	2010	222	USA	WHRI	English	ID,Family and Child	1705	MF
5890.0	0233	333	CVA	Radio Vatican		Programs	2504	RAD
5915.0	1330	343	SVK	Radio Slovakia	German	News,Talk and Music	1705	EA
5927.2	2210	242	BOL	Radio Minería,Oruro	Spanish	ID and Advts.	2505	ALS
5930.0	1910	333	CZE	Radio Prague	Spanish	News about Karlovy Vary	0605	DG
5930.0	0128	222	SVK	Slovak radio	Slovak	Program,News and ID	2305	NE
5940.1	0055	342	PRU	Radio Bethel, Arequipa	Spanish	Ann and ID	2605	ALS
5952.2	2205	443	BOL	Radio Pio XII,Siglo XX	Spanish	Message for rural zone	2505	ALS
5970.0	0948	242	B	Radio Itatiaia,Belo Horizonte	Portugese	News	1905	ALS
5990.0	0003	343	B	Radio Senado,Brasilia	Portugese	ID and Program	2305	NE
5996.6	0725	343	PRU	Radio Melodia,Arequipa	Spanish	Andean Tropical Music,ID	2605	ALS
6005.0	1545	444	D	DLR Berlin	German	Rede v. Honneker	1205	EA
6010.0	0732	343	CHL	Radio Cooperativa,Santiago	Spanish	Romantic Music,ID,Ann	2605	ALS
6024.8	2235	353	BOL	Radio Illimani,La Paz	Spanish	Andean Tropical Music	2505	ALS
6045.7	1017	332	PRU	Radio santa Rosa,Lima	Spanish	Romantic Music,Greetings ID	1205	ALS
6085.2	1005	343	BOL	Radio San Gabriel,La Paz	Ayamara	Andean Music	1205	ALS
6110.0	1240	333	D	Remanents Hope Ministry	English	ID and Sermons	1905	WB
6120.0	1540	444	FIN	Radio Finland	Finnish	Local Report	1205	EA
6134.8	2355	232	BOL	Radio Sanat Cruz	Spanish	Educational Program & ID	1305	NE
6173.6	1100	343	PRU	Radio Tawantinsuyo,Cusco	Quechua	ID and Program	2605	ALS
6175.0	1934	444	G	Radio Taipei International	German	Program	1505	EA
6180.0	0028	444	B	Radio Nacional da Amazonia	Portugese	Musical Program and Advts	2305	NE
6185.0	0805	121	MEX	Radio Educacion	Spanish	Musical program	1905	NE
6193.4	1053	343	PRU	Radio Cusco,Cusco	Spanish	Andean Music	2605	ALS

6215.0	2320	343	ARG	Radio Baluarte,Puerto Iguazu	Spanish	Religious Program and ID	2005	NE
6536.0	2323	242	PRU	Radio difusoras Huancabamba	Spanish	Andean Music and short Ann.	2605	ALS
6537.3	2155	242	BOL	La Voz del Campesino, Sipe Sipe	Spanish	Local Music	2505	ALS
6797.5	2315	242	PRU	Radio Ondas del Rio Mayo	Spanish	Music Program	2505	ALS
6956.5	2350	242	PRU	Radio La Voz del Campesino	Spanish	Local Advts. & Tropical Music	2505	ALS
7160.0	0334	443	ASC	BBC World Service Africa	English	Network Africa	0105	RL
7280.0	1230	444	MCO	TWR Monte Carlo	Slovene	Sermon	1905	WB
7415.0	2030	322	USA	WBCQ	English	ID and News	1705	MF
9325.0	1625	232	KRE	Radio Pyongyang	German	Report	1205	EA
9370.0	2155	323	USA	WTJC	English	ID and Religious Program	1405	MF
9400.0	0257	553	BUL	Radio Bulgaria, Sofia	English	Answering your letters	1305	RL
9410.0	1430	444	G	BBC World Service	English	News and ID	1305	EA
9420.0	1550	444	GRC	ERT Athens	Greek	Sports Live Report	1205	EA
9435.0	1425	444	ISR	KOL Israel	Yiddish	ID,QRG	1305	EA
9460.0	1555	444	TUR	TRT Ankara	Turkish	Folklore Music,ID ,QRG	1205	EA
9505.0	1403	553	J	Radio Japan,NHK	English	44 minutes	0905	RL
9504.8	1120	342	PRU	Radio Tacna,Tacna	Spanish	Commentary	0806	ALS
9525.0	1130	332	INS	Voice of Indonesia	Japanese	Music,Weekly news	1205	JY
9550.0	2153	333	HUN	BSKSA	Arabic	Vocals	1505	RAD
9560.0	0246	553	CAN	Radio Korea Intl., via Sackville	English	Multiwave Feedback	1305	RL
9575.0	0930	343	MRC	Medi 1	French	Pop Music,Talk	1705	EA
9690.0	1600	444	ROU	RRI Bucharest	German	IS,ID and News	1205	EA
9695.0	2207	252	B	Radio Rio Mar, Manaus	Portugese	Songs and local Advts.	1805	ALS
9710.0	1250	333	LTU	Universal Life via Sitkunai	German	Program	1905	WB
9720.4	1122	242	PRU	Radio Victoria,Lima	Spanish	Religious Program	0805	ALS
9735.0	0935	444	D	Duetsche Welle Koln	German	Music and News	1705	EA
9750.0	1510	333	J	NHK World	English	Interview,ID and News	1205	EA
9840.0	1000	333	VTN	Voice of Vietnam	English	ID and News	1405	RAD
9870.0	0258	533	CZE	Radio Prague	English	News,Views,Sports	1405	RL
9875.0	2340	553	LTU	Radio Vilnius	English	Victory Day May 9	1205	RL
9885.0	2328	453		Swiss Radio Intl.,	English	Newsnet	1205	RL
9895.0	2300	222	HOL	Radio Nederland	Spanish	News about Human Rights	0205	DG
9970.0	0257	333	NLA	RTBF International	French	George Harrison	1505	RAD
9990.0	1900	343	EGY	Radio Cairo	German	Reports	1505	EA
11530.0	1255	333	MDA	Denge Mezopotamya	Kurdish	Feature	1905	WB
11570.0	1515	333	PAK	Radio Pakistan	English	Local News	1205	EA
11775.0	1555	333	IRN	IRIB,Teheran	English	Jingle,ID anf Frequency	0905	EA
11820.0	0520	333	NZL	Radio New Zealand	English	Talk and iD	1005	EA
11870.0	1341	433	ALK	KNLS,Alaska	English	Nat King Cole Music	1305	RL
11915.0	0530	444	J	Radio Japan,NHK	Italian	News on Nuclear warheads	1405	DG
11955.0	0056	333	OMA	BBC World Radio	English	World Today	2504	RAD
12050.0	1325	343	EGY	Radio Cairo Home Service	Arabic	ID and Talk	1705	EA
12105.0	1335	444	GRC	ERT,Kavalla	Greek	News,ID, Local Music	1705	EA
12160.0	2000	344	USA	WWCR	English	ID and Religious Program	1305	MF
13565.4	0006	242	PRU	Radio Ondas del Pacifico,Ayabaca	Spanish	Romantic Music	2505	ALS
13569.0	2140	354	USA	WINB	English	ID and Religious Program	1405	MF
13675.0	1440	444	UAE	Radio UAE,Dubai	Arabic	Talk,Folk Music	1305	EA
13685.0	1021	333	AUS	Voice International	English	Review of Scorpion King	1505	RAD
13730.0	1805	333	IRN	IRIB,Teheran	German	Talk	1605	EA
15130.0	1840	343	CHN	Radio Beijing	German	Report	1505	EA
15150.0	1835	343	INS	RRI,Jakarta, Cimanggis	German	Talk,Local Music	1505	EA
15275.0	1525	343	RRW	Duetsche Welle via Kigali	German	Report on Israel	1205	EA
15330.0	1543	333	GUM	KTWR,Agana,Guam	English	Hope for Today	0305	RL

15345.0	1830	323	IRQ	Radio Iraq Intl.,	Arabic	ID and International Program	1705	MF
15385.0	0047	553	E	REE, Madrid	English	Radio Waves R.Lemke's letter	0505	RL
15400.0	1237	353	FIN	Radio Finland	English	YLE World	1305	RL
15530.0	1610	454	D	Voice of Etopian Salvation	Amharic	Sermons	1905	WB
15565.0	0354	553	NLA	Radio Vlaanderen Intl.,	English	Brussels 1043 History of RVI	1305	RL
15590.0	2130	444	USA	KTBN	English	ID and Religious Program	1405	MF
15615.0	1600	444	ISR	KOL, Israel	English	ID, Local News	0905	EA
15665.0	1800	433	USA	WSHB	German	ID, Address in Boston	1305	MF
15715.0	1625	433	D	Voice of High Advent via Juleich	Persian	Program	1905	WB
15725.0	1550	343	PAK	Radio Pakistan	English	Talk	0905	EA
17510.0	1620	333	F	Voice of Iran via Issoudin	Persian	Commentary	1905	WB
17550.0	1615	555	D	Voice of High Advent via Juleich	Persian	Sermon	1905	WB
17595.0	2100	333	USA	WEWN	English	ID and Catholic Program	1405	MF
17675.0	0326	553	NZL	Radio New Zealand	English	Mailbox	0905	RL
17805.0	2315	444	TWN	Radio Taipei Intl.,	Spanish	Historical News about Taiwan	0205	DG
17815.0	1100	242	B	Radio Cultura, Sao Paulo	Portugese	ID and Romantic Music	1905	ALS
17835.0	1258	333	UAE	AWR via Al Dhabbaya	Chinese	Religious Program	1905	WB
17860.0	1554	553	CAN	Radio Austria Intl	English	Postbox mail of R.Lemke	553	RL
17870.0	2053	453	CAN	Radio Canada Intl.,	English	This morning tonight	0305	RL
21455.0	1900	444	USA	WYFR	German	ID and Letterbox	1105	MF
21560.0	1245	331	UZB	Voice of Tibet	Tibetan	Music	1905	WB
21815.0	0140	353	CTR	RFPI	English	RFPI Mailbag	2403	RL

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### **Thanks a lot for your contributions:**

- ALS : Arnaldo L. Slaen, Buenos Aires, Argentina. Sony ICF 2010, Realistic DX-160 & GE Superradio with 15 metres long wire.
- DC : Daniele Canonica, Switzerland. JRC 535 with 30 metres long wire + MLB + ALA 1530
- DG : Dario Gabrielli, Cadoneghe, Italy. Sony ICF 7600 with indoor telescopic aerial.
- EA : Eberhard Ahl, at Kuhlungsborne, Germany. Sony 6700 G with ADDX AT5, 50 metres long wire
- GI : Gaku Iwata, Chiba, Japan. FRG 7700 / NRD 535D, AD30, 20 metres long wire
- HY : Hiromitsu Yanagisawa, Saitama, Japan. Drake R8 with 10 metres long wire
- IN : Iwao Nagatani, Kobe, Japan. NRD 525, AD-370 with 20 metres long wire
- JY : Juichi Yamada, Japan. NRD-525, AR 7030 with Sony AN-1
- KH : Kouji Hashimoto, Yamanashi, Japan. NRD 525, FRG 7 & RD 9830 with 35 metres long wire
- MF : Michael Frese, Osnabrück, Germany. Sony SW 7600 with Telescopic antenna.
- NE : Nicolas Eramo, Buenos Aires, Argentina. ICOM IC R75 with Windom 30 metres T2FD.
- RAD : Richard A. D'Angelo, Wyomissing, USA. Drake R-8B Lowe HF-150.
- RL : Richard Lemke, St. Albert, Alberta, Canada. JRC NRD 535 HF with random long wires.
- WB : Wolfgang Bueschel, Stuttgart, Germany. AOR AR 7030, Sony ICF 2010, Kenwood R1000, Drake SPR-4 with 12 metres long wire
- ZL : Zacharias Liangas, Thessalonki, Greece with Lowe HF-150, Sony ICF 7600D, Yupiteru MVT 7100

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Dear Friends,

Welcome to the June issue of the Logbook.

This time I like to thank our members who have contributed their loggings. They seem to have taken a note of my request in my last Logbook. Would welcome more loggings from our Club members for the next month.

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

*Ashok Kumar Bose*



## International Reply Coupons

When one writes to a stranger and requests a reply, it is considered polite to enclose a self-addressed stamped envelope. This works well when both persons live in the same country. However, if they are from different countries, the enclosed postage stamp will not be valid.

This technical problem was solved in 1906 when the Universal Postal Union, during its Congress in Rome, introduced the International Reply Coupon service. As the service began before the days of airmail, the earliest coupons could only be redeemed for a single-rate ordinary postage stamp to a foreign country. In terms of today's UPU Convention, International Reply Coupons (IRC) are exchangeable in all member countries for the minimum postage of a priority item or an unregistered airmail letter sent to a foreign country.

The service is particularly popular among radio amateurs who commonly use it to confirm radio contacts elsewhere in the world. Stamp collectors also frequently use IRCs in exchanging philatelic information.

The UPU's International Bureau processes approximately six million coupons each year and takes care of all accounting aspects. Developed countries are the largest users. The International Bureau does not sell ICRs directly to customers; they must buy them from their local post office. Although they are not obliged to sell ICRs, it is mandatory for all Posts of the UPU member countries to exchange the coupons.

The design of International Reply Coupons has changed over the years, as has the value. In 2001, a more attractive design and a more secure system were developed, based on recommendations from the 1999 UPU Beijing Congress.



International Reply Coupon - Front



International Reply Coupon - Back

The new IRC is larger than the previous version, and has a new colour to provide a distinct visual difference in the coupon series. The theme of the new coupon, "le courrier, une voie vers l'alphabétisation" (The letter - a path to literacy) has been printed in French between the name of the country of origin and the date stamp of the exchanging country. It has also been printed on heavier paper commonly used for bank cheques to allow for machine processing. The value of the new ICRs has been set at 0.74 SDR, but each country determines its own selling price in accordance with the postage corresponding to an unregistered overseas priority airmail letter of the first weight step.

Since November 2001, the UPU's International Bureau has distributed about six million of the new International Reply Coupons to more than 70 countries. A total of 10 million coupons were printed for the change-over to the new IRCs, which came into effect at the beginning of January 2002.

Although 31 December 2001 was the last date on which post offices could sell the old IRCs, they remain valid for exchange indefinitely. The new IRCs will be valid until 31 December 2006.

# EINLADUNG

## WELTWEIT HÖREN - WELTWEIT SEHEN

**Unter diesem Motto findet das 29. INTERNATIONALE SWLCS-DX-CAMP in der Zeit vom 09. bis einschließlich 11. August 2002 in Merchweiler im Herzen des Saarlandes statt.**

Während dieser drei Tage werden auf dem Freigelände in der Dorfstraße 13 alle Möglichkeiten des weltweiten Rundfunk- und Fernsehempfanges vorgeführt. Ca. 50 Länder strahlen Radioprogramme in deutscher Sprache aus, die oftmals ohne größeren Aufwand hier zu hören sind. Auf dem Campgelände stehen dafür einfache Radios und modernste Weltempfänger zur Verfügung. Das 29. SWLCS.DX-CAMP bietet noch eine Menge mehr, so zum Beispiel :

**Computer-Funkfernreiben  
 Digitaler- und analoger Radio- und TV-Satellitenempfang  
 FAX auf Kurzwelle  
 Wettermeldungen per Funk und Computer  
 FREE RADIO – Information  
 Empfängerausstellung, auch Oldies  
 TOMBOLA**

**CB-Funk und Packet-Radio  
 QSL-Karten- und Wimpelschau  
 Diplom-Ausstellung  
 Tropenbandempfang  
 METEOSAT-Direktempfang  
 Newcomerbetreuung  
 Informationsmaterial der internationalen Radiodienste**

Natürlich sind auch die Diplomabteilung und der Tonbandring des SWLCS vertreten.

Die SWLCS-CB-Sonderstation „Radio Mike Null“ (RM 0) ist ebenfalls während des Camps „on the air“. Sämtliche Verbindungen werden mit einer attraktiven Sonder-QSL-Karte bestätigt. Einweisungen von CB-Funkmobilen erfolgen über RM 0 auf Kanal 30 (27305 kHz in FM).

**Am Camp-Samstag (10. August) wird Waldemar Krämer von der DEUTSCHEN WELLE, Köln unter anderem zum Thema „Digital Radio Mondiale“ (DRM) sprechen. Ebenfalls an diesem Wochenende wird Horst Wiese von Radio HCJB, Quito, Ecuador das SWLCS-DX-CAMP besuchen und die Teilnehmer über „Die Stimme der Anden“ informieren.**

Übernachtungsmöglichkeiten bestehen in nahegelegenen Hotels bzw. Pensionen. Natürlich kann auch in den Infozelten und Pavillons übernachtet werden. Hier sollte man Schlafsack und Luftmatratze mitbringen. Leider steht uns in diesem Jahr nur wenig Platz für zusätzliche Übernachtungszelte zur Verfügung. Für das leibliche Wohl ist ebenfalls auf dem Gelände gesorgt. Auf Wunsch erhalten alle Besucher eine attraktive Teilnehmer-Urkunde.

Unter dem Motto „WELTWEIT HÖREN – WELTWEIT SEHEN“ soll das 29. INTERNATIONALE DX-CAMP besonders die bereits bestehende Kontakte unter den Kurzwellenhörern fördern und vertiefen, die Bevölkerung auf dieses schöne Hobby aufmerksam machen und nicht zuletzt die hervorragende Zusammenarbeit mit den Rundfunkstationen im In- und Ausland verdeutlichen. **Jedermann ist herzlichst eingeladen.**

**Also Treffpunkt am 09., 10. und 11. August 2002  
 beim 29. INTERNATIONALEN DX-CAMP des SWLCS-  
 KURZWELLENHÖRERCLUB SAAR  
 unter dem Motto „WELTWEIT HÖREN – WELTWEIT SEHEN“ in  
 MERCHWEILER IM HERZEN DES SAARLANDES**

