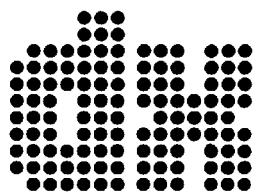


7 - 2000

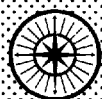
BBC ORTF  
ADIO MOSKAU  
NDR RAI TVR



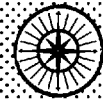
ISSN 0175-6877



magazine



WORLD WIDE DX CLUB



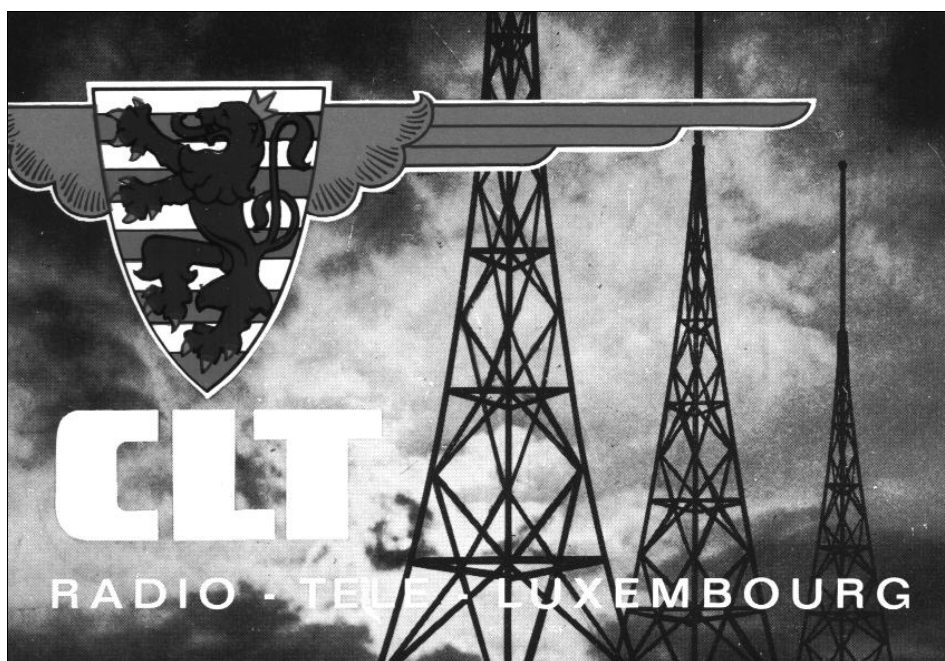
All times mentioned in this DX MAGAZINE are UTC - Alle Zeiten in diesem DX MAGAZINE sind UTC

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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.

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.



QSL of OM Eberhard Ahl

DEADLINE (Redaktionsschluß) for DX  
MAGAZINE No. 10 is on September  
21st, 2000, and for DX MAGAZINE  
No. 11 on October 19th, 2000.



DX MAGAZINE is the monthly publication of WORLDWIDE DX CLUB, Postfach 12 14, D-61282 Bad Homburg, Germany.  
Price for a single copy: DM 2.50 or 2 International Reply Coupons (IRC's); annual subscription rate: DM 30.00 or 15 IRC's. Other currencies and air mail rates on request. Cover: Peter Pohle + Jürgen Kauer (KAVOP)



**DX MAGAZINE No. 7**

**Vol. XXXV**

**July 2000**

Hello again,

Welcome to another issue of our DX MAGAZINE. Please remember that the next issue of our DX MAGAZINE will be our summer double edition No. 8/9, which will be mailed in mid-August. Therefore, please don't send in your logs and other information before mid-September (deadline: September 21st, 2000) for DX MAGAZINE No. 10.

**Unfortunately, I have to inform you that we have still not found a new permanent LOGBOOK EDITOR. Please remember that OM Eberhard Ahl has taken over this job only for a limited period of time. Therefore we still need a volunteer for our Logbook section. If you are interested to compile our LOGBOOK in the future, please do not hesitate to contact us. We shall be pleased to inform you about all necessary details.**

**We also need a new QSL EDITOR from October, since also our current QSL EDITOR Richard Lemke has resigned after more than 12 years. Let me take this opportunity to thank Richard very much for compiling the QSL CORNER for this long time! If you are interested to compile this section in the future, please do not hesitate to write to us. Perhaps we could also revive our "QSL LADDER" again on this occasion (showing how many QSL's, QSL'ed stations and QSL countries our members have).**

And now over to our usual news from outside the club: (Cf. DXM 5) Here is some more information on the **EDXC Conference 2000**: The EDXC web site <<http://www.swl.net/edxc/>> has been updated to show now also the Registration Form (and the Credit Card Payment Form) for the EDXC Conference 2000. The EDXC Conference 2000 web page now also shows the full details for the place of this event (address, phone, Fax). The Registration Form also contains an additional requirement: Those who want to participate in the special visit to Playa de Pals (Radio Liberty) are required to give their nationality and their passport number (usual security requirements). This has been erroneously forgotten in the printed form which was sent out in the June EuroDX bulletin. Those who have registered already may send this additional information also via email to <[edxc2000@yahoo.com](mailto:edxc2000@yahoo.com)>.

The 9th **CEPT Radio Conference** will take place from October 11th to 13th in Lisbon, Portugal. The conference is organised by the European Radiocommunication Office (ERO), Midtermolen 1, DK-2100 Copenhagen, Denmark. Full information on this yearly conference can be found on ERO's web site: <[www.ero.dk](http://www.ero.dk)>.

The Ontario DX Association will have its **ODXA Radio Fest 2000** on September 30th at the Monte Carlo Inn Hotel in Oakville, Ontario, Canada (West of Toronto). At the Radio Fest ODXA also presents "Raffle 2000". 1st prize will be a Sony ICF-2010 receiver, 2nd prize: a Sony ICF-7600G receiver, and 3rd prize: a 2 year membership. Tickets for the raffle are Can\$2.00 each, 6 for \$10.00 or 12 for \$20.00 - US orders: 3 raffle tickets for US\$4.00. Tickets can be ordered from: Ontario DX Association / Raffle 2000, Box 161, Willowdale Station A, Toronto, Ontario, Canada, M2N 5S8. More information can also be found at their web site: <[www.odxa.on.ca](http://www.odxa.on.ca)>. **(via Mark Humenyk, Canada)**

Ende Mai sind in Siebel Verlag, Auf dem Steinbüchel 6, D-53340 Meckenheim, Neuauflagen

folgender Titel erschienen:

Die 11., völlig neubearbeitete und erweiterte Ausgabe der **Spezial-Frequenzliste 2000/01** von Michael Marten und Wolf Siebel enthält auf 448 Seiten alle jene Funkstationen, die außerhalb der Rundfunkbänder im Frequenzbereich 9 kHz bis 30 MHz empfangen werden können. Hauptteil des Buches ist die aktuelle Frequenzliste mit fast 17.000 Sendernennungen. Im Stationsindex sind zusätzlich Land für Land alle Funkstellen mit den wichtigsten Frequenzen und allen wichtigen Angaben und Adressen aufgelistet. Eine ausführliche Rufzeichenliste hilft bei der Identifikation unbekannter Stationen. Als Extra-Kapitel sind in dieser Ausgabe wieder die 111 besten Empfangstips enthalten. Neu ist eine umfangreiche Liste aller in Europa empfangbaren Funkbaken (NDBs) auf LW und MW. Abgerundet wird das Buch durch eine ausführliche Einführung in die Welt des Utility-DXens. Preis: DM 34,80, ISBN 3-89632-044-0.

Die 2. neubearbeitete und erweiterte Ausgabe von **Technik, Tips & Tricks rund um den Empfänger** wurde wieder von Gerd Klawitter und zahlreichen Mitarbeitern in Zusammenarbeit mit der ADDX zusammengestellt. Hier finden Sie alles über den Empfänger und Empfangstechnik: von Rundfunk in AM, über SSB-Empfang, bis hin zu den möglichen Empfangsverbesserungen mit moderner Technik (SYNCH/ECSS). Was Sie rund um den Empfänger tun können, um den Empfang zu verbessern oder um Ihre Empfangsmöglichkeiten zu erweitern, lesen Sie im Hauptteil. Von einfachen Tips, die jeder nachvollziehen kann, bis hin zu Bauanleitungen, für die man schon etwas bastlerisches Geschick braucht, finden Sie alles in diesem Buch, was man sich nur zum Thema Funkempfang vorstellen kann. Neu in dieser Ausgabe ist die Vorstellung der interessantesten und nützlichsten Komplett-Bausätze, die den Selbstbau wirklich einfach machen, vom Einfachst-Radio über Aktiv-Antenne und Anpaßgerät bis zum aufwendigen Allwellenempfänger oder Bausätzen historischer Geräte. Umfang: 224 Seiten, Preis: DM 26,80, ISBN 3-89632-042-4.

Auch das Buch **Langwellen- und Längstwellenfunk** von Gerd Klawitter, Klaus Herold und Michael Oexner ist in einer 3., völlig neubearbeiteten und erweiterten Ausgabe erschienen. Eingeleitet wird das Buch durch eine umfangreiche Einführung in Technik und Geschichte der Langwelle. Auch die in diesem Frequenzbereich arbeitenden Funkdienste werden ausführlich vorgestellt, desgleichen Empfangsgeräte und Zubehör. Im Hauptteil findet sich eine nach Ländern geordnete Liste aller Langwellen-Rundfunksender und die ausführliche Frequenzliste aller Funkdienste unterhalb 500 kHz mit mehr als 3400 Sendernennungen. Umfang: 224 Seiten, Preis: DM 26,80, ISBN 3-89632-043-2.

Alle drei Titel sind sowohl direkt vom Verlag als auch im Buchhandel erhältlich.

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**  
 \*\*\*\*\*

**ARGENTINA:** Transmission schedule of *Radiodifusion Argentina Al Exterior* - RAE from March 26, 2000 to October 29, 2000. Postal address: Casilla de Correos 555, Correo Central, 1000 Buenos Aires, Argentina. Fax: 54-11-4325636.

HOUR UTC	KHz	LANGUAGE	TRANSMISSION TO
0800-1200	6060 , 15345	Spanish	America
1000-1200	11710	Japanese	East Asia
1200-1400	11710	Spanish	Central America /Europe
1800-1900	15345	English	America/Europe
1900-2000	11710, 15345	Italian	Europe/North Africa
2000-2100	11710, 15345	French	Europe/North Africa
2100-2200	15345	German	Europe/North Africa
2200-2300	9690, 15345	Spanish	Europe/North Africa
2300-2400	9690, 15345	Spanish	America/Europe
0000-0200	11710	Portuguese	America
0200-0300	11710	English	America
0300-0400	11710	French	America

All transmission Mondays to Fridays.

On the air Saturdays and Sundays on 6060 Khz from 1800 to 0300 UTC signal of 98,7 Nacional. (Arnaldo Slaen, 17 Jun 2000)

**AUSTRALIA:** The Darwin transmitter site in Australia's Northern Territory is to be leased to **Christian Vision**, the UK-based religious broadcasting organization which operates Christian Voice in Zambia and Chile.

(ABC's Online News Service via francis@dynamite.com.au at EDXP-ENET, 2 Jun 2000)

**AUSTRIA: Radio Austria International**, Reduction Plans: On June 23, Wolf Harranth (ORF Intermedia) announced the following changes at the Ham Radio fair in Friedrichshafen: German coverage will not change (yet) but more programmes (including all news during daytime) will be relayed from the ORF, Austrian Radio&TV, the home service, and more repeats replace unique broadcasts. English broadcasts will be reduced starting with B00. The 24 h FM home service Blue Danube Radio will be discontinued. Arabic and Esperanto will close completely in September or at the end of 2000. The shortwave transmitter center in Moosbrunn will reduce broadcasts by about 50 % with B00. Broadcasts to Europe will not be affected, only several overseas frequencies will be canceled. The ADR ASTRA satellite feed will close down with B00. The digital bouquet on ASTRA will continue, but all channels will be encrypted (Irdeto/Premiere World system). Only Austrians living abroad will be able to receive a subscription card, to avoid movie licensing problems.  
(Andre Schmidt via EDXP-ENET via WWDXC-HQ, June 27, 2000)

**BELARUS:** Official schedule A00 of **Belarusian Radio**.

0100-0300 6070 7210

1900-2100 7210 11960

German

0200-0230 Th, 0230-0300 Fr, 1930-2000 We/Sa/Su, 2030-2100 We/Sa/Su

Russian

0130-0200 Su, 0230-0300 Mo, 1930-2000 Fr, 2000-2030 Mo/Tu/We/Th/Sa, 2030-2100 Fr

English

0200-0230 Mo/We/Fr/Sa/Su, 1930-2000 Tu/Th, 2030-2100 Tu/Th

Belarusian-all other times. (via BP in EDXP #175, 2 Jul 2000)

**CANADA:** Revised technical schedule A00 of **Radio Canada International - RCI** with several changes. Effective 25.05.00 to 29.10.00.

UTC		FREQU.			TARGET	PROGRAMS	15305		250	176	"	
		(kHz)	kW	Azim								
0000-0029 (MAR-SAM)	11895	250	176		CAR/AMERICAS	0130-0159 (TUE-SAT)	11715	250	176		CAR/AMERICAS	
	13670	250	240		"		13670	250	240		"	SPANISH
	15170	100	240		"	FRENCH	15170	100	240		"	
	15305	250	176		"		15305	250	176		"	
0000-0059 (SUN&MON)	11895	250	176		CAR/AMERICAS	0200-0229 (TUE-SAT)	9755	100	240		CAR/AMERICAS	
	13670	250	240		"		11715	250	176		"	
	15170	100	240		"	SPANISH	13670	250	240		"	ENGLISH
	15305	250	176		"		15170	100	240		"	
0000-0059	5960	250	240		EASTERN USA	0230-0259 (MAR-SAM)	9755	100	240		CAR/AMERICAS	
	9755	100	240		"		11715	250	176		"	
						FRENCH	13670	250	240		"	FRENCH
							15170	100	240		"	
0030-0059 (TUE-SAT)	11895	250	176		CAR/AMERICAS		15305	250	176		"	
	13670	250	240		"	SPANISH						
	15170	100	240		"							
	15305	250	176		"							
0100-0129 (TUE-SAT)	11715	250	176		CAR/AMERICAS	0200-0259 (SUN&MON)	9755	100	240		CAR/AMERICAS	
	13670	250	240		"		11715	250	176		"	
	15170	100	240		"	ENGLISH	13670	250	240		"	ENGLISH
	15305	250	176		"		15170	100	240		"	
0100-0159 (TUE-SAT)	5960	250	240		EASTERN USA	0300-0329	VIE 11835	100	115		MIDDLE-EAST	FRENCH
	9755	100	240		"		SKN 11940	300	110		"	
0100-0159 (SUN&MON)	5960	250	240		CAR/AMERICAS	0330-0359	VIE 11835	100	115		MIDDLE-EAST	
	9755	100	240		"		WER 15215	500	120		"	ARABIC
0100-0159 (SUN&MON)	11715	250	176		"	0400-0429	VIE 11835	100	115		MIDDLE-EAST	
	13670	250	240		"		SKN 11975	300	110		"	ENGLISH
	15170	100	240		"	ENGLISH	WER 15215	500	120		"	
							VIE 15345	500	115		"	

0430-0459	VIE 11835	100	115	MIDDLE-EAST		1700-1759	RMP 13620	500	62	C/E EUROPE	
	WER 15215	500	120	"	ARABIC		RMP 15325	300	62	"	RUSSIAN
	VIE 15345	500	115	"	"		17820	250	47	"	"
	WER 17870	500	120	"	"						
0500-0529	5995	250	277	W-USA/MEX/C.AM		1800-1859	SKN 11735	300	90	C/E EUROPE	UKRAINIAN
	9755	250	277	"	ENGLISH		RMP 15325	300	76	"	"
	11830	250	285	"	"						
0500-0529	WER 6145	500	300	EUR/N.W.AFR/M.E.		1800-1859	SKN 13670	300	180	W.EUR/N.W.AFR	FRENCH
	SKN 7290	300	150	"	"		17695	250	60	"	"
	SKN 9595	300	110	"	ENGLISH		17820	250	105	"	"
	11710	100	73	"	"		21570	250	60	"	"
	13755	250	105	"	"	1900-1959	SKN 5995	300	150	W.EUR/N.W.AFR	"
	SKN 15330	300	110	"	"		SKN 7235	300	150	"	"
	WER 17845	500	180	"	"		13650	250	60	"	"
							SKN 13670	300	180	"	"
							15325	100	60	"	FRENCH
0530-0559	5995	250	277	W-USA/MEX/C.AM			15470	250	92	"	"
	9755	250	277	"	FRENCH		17695	250	60	"	"
	11830	250	285	"	"		17820	250	105	"	"
							21570	250	60	"	"
0530-0559	WER 6145	500	300	EUR/N.W.AFR/M.E.		2000-2059	SKN 5995	300	150	W.EUR/N&W.AFR	"
	SKN 7290	300	150	"	"		SKN 11690	300	110	"	"
	SKN 9595	300	110	"	FRENCH		13650	250	60	"	"
	11710	100	73	"	"		SKN 13670	300	180	"	"
	13755	250	105	"	"		15325	100	60	"	ENGLISH
	SKN 15330	300	110	"	"		15470	250	92	"	"
	WER 17845	500	180	"	"		17820	250	105	"	"
							17870	250	60	"	"
0600-0629	11715	100	105	N.W.AFRICA		2030-2059	SKN 17735	300	170	W.EUR/N.W.AFR	"
(MON-FRI)	13755	250	105	"	"	(LUN-VEN)	17805	100	105	"	FRENCH
	SKN 15330	300	180	"	ENGLISH		21570	250	60	"	"
	WER 17820	500	180	"	"						
0630-0659	11715	100	105	N.W.AFRICA		2100-2159	SKN 5995	300	150	EUR C&W/AFR N&W	"
(LUN-VEN)	13755	250	105	"	"		SKN 7235	300	114	"	"
	SKN 15330	300	180	"	FRENCH		13650	250	60	"	"
	WER 17820	500	180	"	"		SKN 13670	300	180	"	ENGLISH
							15325	100	60	"	"
1100-1159	9640	250	212	CARIBBEAN/USA			15325	100	60	"	"
(MON-FRI)	13650	100	240	"	"		17820	250	105	"	"
	17765	100	240	"	ENGLISH		17870	250	60	"	"
	17820	250	189	"	"						
1200-1259	9640	250	240	CARIBBEAN/USA		2130-2159	9755	100	240	E.USA/CAR/S.AM	"
	13650	100	240	"	ENGLISH		11920	250	240	"	FRENCH
	17765	100	240	"	"		15305	250	176	"	"
	17820	250	189	"	"						
1200-1229	YAM 9660	100	270	CHINA&S.E.ASIA	ENGLISH	2200-2229	YAM 17835	300	235	S.E.ASIA	ENGLISH
	YAM 15195	300	235	"	"		5960	100	240	CAR/AMERICAS	"
							9755	100	240	"	"
1200-1259	11855	250	240	CAR/EAST-USA	FRENCH		13670	250	240	"	ENGLISH
	15305	250	240	"	"		15305	250	176	"	"
							17695	250	240	"	"
1230-1259	YAM 9660	100	270	CHINA&S.E.ASIA	FRENCH	2200-2259	KIM 13710	250	305	EAST-CIS	RUSSIAN
	YAM 15195	300	235	"	"		IRK 12075	100	66	"	"
1300-1325	KIM 6150	250	270	CHINA		2230-2259	YAM 17835	300	235	S.E.ASIA	FRENCH
	YAM 9660	100	270	"	CHINESE		15305	250	176	E.USA/CAR/S.AM	FRENCH
	YAM 11955	300	270	"	"		17695	250	240	"	"
1300-1359	9640	250	240	CARIBBEAN/USA		2230-2359	5960	100	220	C&E USA	"
(MON-FRI)	13650	100	240	"	"	(MON-FRI)	9755	100	240	"	ENGLISH
	17765	100	240	"	ENGLISH		13670	250	240	"	"
	17820	250	189	"	"						
1300-1559	13650	100	240	CAR/E.& C.USA		2230-2259	5960	100	240	C&E USA	"
(SUN ONLY)	17800	250	189	"	ENGLISH	(SAT&SUN)	9755	100	240	"	ENGLISH
							13670	250	240	"	"
1300-1559	15305	100	240	E.&C. USA	FRENCH	2300-2325	SNG 15360	100	13	CHINA	"
(DIM SEUL)							YAM 13660	250	280	"	CHINESE
							YAM 17835	300	235	"	"
1330-1357	XIA 9535	120	78	EAST ASIA	ENGLISH	2300-2329	11895	250	176	CAR/AMERICAS	"
	XIA 11795	120	78	"	"	(MON-FRI)	15305	250	176	"	ENGLISH
							17695	250	240	"	"
1430-1455	YAM 6150	300	290	CHINA		2300-2359	5960	100	240	CAR/AMERICAS	"
	KIM 7150	250	290	"	CHINESE	(SAT&SUN)	9755	100	240	"	"
	YAM 9680	300	270	"	"		11895	250	176	"	ENGLISH
							13670	250	240	"	"
1500-1559	SKN 11935	300	70	C/E EUROPE			15305	250	176	"	"
	RMP 15325	500	62	"	RUSSIAN		17695	250	240	"	"
	RMP 17820	500	70	"	"		15305	250	176	"	"
							17695	250	240	"	"
1600-1659	SKN 11935	300	90	C/E EUROPE		2330-2359	11895	250	176	CAR/AMERICAS	"
	RMP 15325	500	90	"	UKRAINIAN	(MON-FRI)	15305	250	176	"	"
	RMP 17820	500	82	"	"		17695	250	240	"	SPANISH
1630-1657	XIA 6140	120	258	INDIA	ENGLISH						
	XIA 7150	120	258	"	"						

&: FIRST HALF HOUR (TUESDAY THRU SATURDAY [UTC])

AND FULL HOUR (SUNDAY AND MONDAY [UTC])  
 RELAYS / RELAIS  
 IRK: IRKUTSK RELAY, SIBERIA  
 KIM: KIMJAE RELAY, KOREA  
 RMP: RAMPISHAM RELAY, ENGLAND  
 SKN: SKELTON RELAY, ENGLAND

SNG: SINGAPORE RELAY, SINGAPORE  
 VIE: VIENNA RELAY, AUSTRIA  
 WER: WERTACHTAL RELAY, GERMANY  
 XIA: XIAN RELAY, CHINA  
 YAM: YAMATA RELAY, JAPAN

(RCI ENGINEERING webpage last modified 19 May 2000 via JKB)

**FRANCE: Radio France Internationale - RFI** schedule A00. Address: 116 avenue du President Kennedy, BP 9516, F-75016 Paris, France. Fax: +33-1-42-3044481 or +33-1-45-303071, web: <http://www.rfi.fr/> E-mail: [english.service@rfi.fr](mailto:english.service@rfi.fr)

East Africa and Indian Ocean:		1600-1700		11700	French
0300-0400	Moy	5925	French	1600-1800	9790 Arabic
0300-0400		13610	French	1600-1800	12025 Arabic
0300-0400		11700	French	1700-1800	11700 (1) French
0400-0500	Moy	9790 (2)	French	1800-2000	11615 French
0400-0500	Moy	11910 (1)	French	2000-2200	7315 French
0400-0500		15155	French	2000-2200	9790 French
0500-0600	Moy	11700 (2)	French	2100-2200	6175 French
0500-0600	Moy	15155 (1)	French		(1) tranche horaire supprimée du 07May00
0500-0700		17800	French		au 03Sep00
0600-0700		21620	French		(2) tranche horaire assurée du 07May99 au
0900-1300		25820	French		03Sep00
1500-1700		21620	French		Central & East Europe:
1500-1600		17605	French	0300-0330	6045 Russian
1600-1700	Moy	12015	English	0300-0330	7280 Russian
1600-1730		17605	English	0300-0330	9745 Russian
1700-1800	Moy	12015	Portuguese	0330-0445	7280 French
1700-1900		17620	French	0330-0500	6045 French
1730-1800		17605	French	0330-0500	9745 French
1900-2000		15300	French	0445-0500	7280 Polish
2000-2200		11995	French	0500-0530	7280 (1) Serbo-Croate
(1) tranche horaire supprimée du 07May00				0500-0530	9805 Serbo-Croate
au 03Sep00				0500-0530	11975 (2) Serbo-Croate
(2) tranche horaire assurée du 07May00 au				0530-0600	7280 (1) Albanian
03Sep00				0530-0600	9805 Albanian
Central Africa - West - West:				0530-0600	11975 (2) Albanian
0600-0700	Guy	9790	French	0600-0700	9805 French
0600-0700	+Moy	11700 (2)	French	0700-0800	9805 (2) French
0600-0700	Moy	15315 (1)	French	0700-1130	11670 French
0700-0800		11700	French	1000-1100	15155 French
0700-0800	Moy	15605	French	1200-1300	11670 English
0700-1130		15300	French	1200-1300	15155 English
1130-1200		15300	marine weather	1200-1300	15195 English
1200-1300	Moy	15540	English	1300-1330	15155 Russian
1200-2100		15300	French	1300-1330	15195 Russian
1700-1800		15530	Portuguese	1300-1330	17805 Russian
1800-2200	Moy	11955	French	1400-1500	9805 Serbo-Croate
2100-2200		9790	French	1400-1500	11670 Serbo-Croate
North Africa - West:				1500-1600	11670 Romanian
0400-0500		5925	French	1500-1600	15605 Romanian
0500-0530		5925	Arabic	1600-1700	9805 Polish
0500-0530		7135	Arabic	1700-1800	11670 French
0530-0600		5925	French	1800-1900	9805 Russian
0530-0600		7135	French	1800-1900	11670 Russian
0600-0700		7135 (1)	French	1900-2000	11670 French
0600-0700		9790	French	1900-2000	7135 Serbo-Croate
0600-0800		11700	French	1900-2000	9805 Serbo-Croate
0800-1600		11845	French	2000-2100	7135 Romanian
0800-1130		15300	French	2000-2100	9805 Romanian
1130-1200		15300	marine weather	2100-2200	5915 Polish
1200-1900		15300	French	2100-2200	7135 Polish

(1) tranche horaire supprimée du 07May00 au 03Sep00	0600-0800	11700	French
(2) tranche horaire assurée du 07May00 au 03Sep00	0700-0900	15315	French
China, Korea, Philippines:	0800-1000	15300	French
0930-1030 Rus 12025 Mandarin	0800-1600	11845	French
0930-1030 Jap 15195 (1) Mandarin	1100-1130	15300	French
0930-1030 Jap 9660 (2) Mandarin	1130-1200	15300	marine weather
1030-1200 Jap 11890 (1) French	1200-1400	15300	French
1030-1200 Jap 9830 (2) French	1600-1800	9790	Arabic
1200-1300 Jap 9805 Mandarin	1600-1800	12025	Arabic
1200-1300 Rus 12075 Mandarin	1700-1800	11700 (1)	French
2200-2300 Rus 12005 Mandarin	1700-1800	15300 (2)	French
2200-2300 Rus 12045 Mandarin	1800-2000	11615	French
2300-0100 Rus 15535 (1) French	2000-2200	7315	French
2300-0100 Rus 12025 (2) French	2000-2200	9790	French
Rus : diffusé à partir de Russie	2100-2200	6175	French
Jap : diffusé à partir du Japon	(1) tranche horaire supprimée du 07May00 au 03Sep00		
(1) tranche horaire assurée du 26March00 au 03Sep00	(2) tranche horaire assurée du 07May00 au 03Sep00		
(2) tranche horaire assurée du 03Sep00 au 29Oct00	Central Africa - West		
Central America, Caribbean:	0600-0700 +Moy	11700	French
1100-1200 Guy 13640 French	0600-0700 +Moy	15315	French
marine weather	0700-0800 Moy	15605	French
1100-1200 Guy 15515 French	0700-0900	15315	French
marine weather	0700-0900	17620	French
1130-1200 21645 marine weather	0900-1600	21685	French
1200-1230 Guy 15515 Spanish	1100-1400	17620	French
1200-1230 Guy 17860 Spanish	1200-1300 Moy	15540	English
1230-1300 Guy 15515 French	1600-1700 Moy	11995	English
1230-1330 Guy 17860 French	1700-1800	17620	French
1300-1330 Guy 21645 French	1800-2200 Moy	11955	French
1330-1400 Guy 17860 Créole	1900-2000	17620	French
(le dimanche)	ME Golf Region:		
1330-1400 Guy 21645 Créole	0300-0400	9825	French
(le dimanche)	0300-0500	11995	French
1800-1830 Guy 17630 Spanish	0400-0600	15135	French
1800-1830 Guy 21645 Spanish	0500-0700	17620	French
2100-2130 Guy 17630 Spanish	0900-1200	21620	French
2100-2130 Guy 21645 Spanish	1500-1600	17620	French
2300-2330 9790 (1) Spanish	1600-1730	15210	English
2300-2330 11670 Spanish	1730-1800	15210	French
2300-2330 15190 (2) Spanish	1800-2000	15460	French
2330-2400 11670 French	2000-2200	9485	French
0100-0130 Guy 9800 Spanish	West Europe:		
0100-0130 +Guy 11665 Spanish	1100-1130	6175	French
0130-0200 Guy 9800 French	1130-1200	6175	marine weather
0130-0200 +Guy 11665 French	North America:		
(1) tranche horaire supprimée du 07May00 au 03Sep00	1100-1130	17570	French
(2) tranche horaire assurée du 07May00 au 03Sep00	1130-1200	17570	marine weather
North Africa - Central:	India, Pakistan:		
0400-0500 5925 French	0100-0200 Ch	17710	French
0500-0530 5925 Arabic	1400-1500 Ch	11610	English
0500-0530 7135 Arabic	1400-1500	17620	English
0530-0600 5925 French	1400-1500	17680	English
0530-0600 7135 French	1400-1600	17650	French
0600-0700 7135 (1) French	2300-0100	11660	French
0600-0700 9790 French	Near and Middle East:		
	0300-0400	9550	French
	0300-0500	11685	French
	0400-0500	9550 (2)	French
	0400-0500	15605 (1)	French



0400-0500	Moy	11850	French	1600-1800		12025	Arabic
0500-0600	+Moy	15605	French	1700-1800		15300	French
0600-0700		17650	French	1800-2000		11705	French
1400-1500		17620	English	2000-2200		7315	French
1400-1600		17650	French	2000-2200		9790	French
1800-1900		9430	Persian	2100-2200		6175	French
1800-1900		11650	Persian	(1) tranche horaire supprimée du 07May00 au 03Sep00			
(1) tranche horaire assurée du 26March00 au 03Sep00				South America:			
(2) tranche horaire assurée du 03Sep00 au 29Oct00				0900-0930	Guy	11670	French
Central and South Africa - West:				0930-1000	Guy	11670	Portuguese
0300-0400	Mey	5925	French	1000-1030	Guy	15435	Spanish
0300-0400		7135	French	1030-1100	Guy	15435	French
0300-0600		9790	French	1400-1430	Guy	17575	Spanish
0400-0500	Moy	4890	French	1400-1430	Guy	21765	Spanish
0400-0500	Moy	7135 (2)	French	1600-1630	Guy	17575	Spanish
0400-0500	Moy	9805 (1)	French	1600-1630	Guy	21765	Spanish
0400-0600		11700	French	2030-2100	Guy	15200	Portuguese
0500-0600	Moy	6175	French	2030-2100	Guy	17620	Portuguese
0500-0700		15300	French	2200-2230	Guy	17620	Portuguese
0600-0800	Moy	9790	French	2230-2300	Guy	17620	French
0600-0800		17850	French	2300-2330		11995	Spanish
0700-1800		21580	French	2300-2330	Guy	15200	Spanish
1000-1100		17850	French	2300-2330	Guy	17620	Spanish
1100-1200	Moy	21755	French	2330-0000		11995	French
1200-1400	Moy	9790	French	2330-0000	Guy	17620	French
1500-1600		17850	French	2330-0100	Guy	15200	French
1600-1700	Moy	12015	English	0100-0130		11995	Spanish
1600-1700		17850	English	0130-0200		11995	French
1800-2200	Moy	7160	French	0200-0230	Guy	15200	French
1800-2200		11705	French	South East Asia:			
1800-2200		15300	French	1030-1200	Jap	15215	French
2000-2100		15530	Portuguese	1100-1200	Rus	12025	Lao
2100-2200		9790	French	1100-1200	Ch	11600	French
(1) tranche horaire supprimée du 07May00 au 03Sep00				1200-1300	Ch	11600	Khmer
(2) tranche horaire assurée du 07May00 au 03Sep00				1200-1300	Rus	12025	Khmer
North Africa - East:				1400-1500		17680	English
0400-0500		5925	French	1400-1500	Jap	15195	Vietnamien
0500-0530		5925	Arabic	1600-1700	Ch	6090	French
0500-0530		7135	Arabic	2300-2400	Rus	15595	French
0530-0600		5925	French	2300-0030		11660	French
0530-0600		7135	French	2300-0030	Jap	17710	French
0600-0700		7135 (1)	French	2300-0100	Rus	15535 (1)	French
0600-0700		9790	French	2300-0100	Rus	12025 (2)	French
0700-0800		11700	French	Jap : diffusé à partir du Japon			
0700-1000		15300	French	Rus : diffusé à partir de Russie			
0800-1600		11845	French	Ch : diffusé à partir de Chine			
1100-1130		15300	French	(1) tranche horaire assurée du 26March00 au 03Sep00			
1130-1200		15300	marine weather	(2) tranche horaire assurée du 03Sep00 au 29Oct00			
1200-1400		15300	French	Mey : via Meyerton (South Africa)			
1600-1700		11615	English	Moy : via Moyabi (Gabon)			
1600-1800		9790	Arabic	Guy : via Montsinéry (Guyane)			
(RFI webpages last modified 5 & 10 April 2000 via JKB)				Ch : via China			

**INDIA: All India Radio - AIR**, frequency schedule to 29th October, 2000. In each language service a composite program is presented 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 198 broadcasting centers with 145 medium frequency, 55 high frequency (SW) and 103 FM transmitters. The coverage is 90% area, serving 97.3% of the people in the largest democracy of the world. AIR covers 24 languages and 146 dialects in home service and in external services, it covers 24 languages.

<u>AUSTRALIA and NEW ZEALAND:</u>			Arabic	0430-0530	15780	Sinhala	0045-0115	1053
G.O.S-II	1000-1100	17895	Arabic	1730-1945	9910	Sinhala	1300-1500	1053
G.O.S-II	1000-1100	13700	Hindi	1615-1730	7410	Sinhala	1300-1500	9700
G.O.S-II	1000-1100	15020	Hindi	1615-1730	12045	Sinhala	1300-1500	15020
G.O.S-II	1000-1100	17485	Hindi	1615-1730	13770	Tamil	0000-0045	1053
G.O.S-V	2045-2230	11715	Hindi	0315-0415	13695	Tamil	0000-0045	4790
G.O.S-V	2045-2230	9910	Hindi	0315-0415	15075	Tamil	0000-0045	9835
G.O.S-V	2045-2230	7150	North East Asia:			Tamil	0115-0330	1053
<u>AFRICA:</u>			G.O.S-I	2245-0045	7410	Tamil	1100-1115	1053
East Africa			G.O.S-I	2245-0045	9950	Tamil	1115-1215	15075
G.O.S-IV	1745-1945	11935	G.O.S-I	2245-0045	11620	Tamil	1115-1215	1053
G.O.S-IV	1745-1945	15075	G.O.S-II	1000-1100	11585	Tamil	1115-1215	17860
Gujarati	1515-1600	11620	G.O.S-II	1000-1100	15020	Tamil	1215-1300	1053
Gujarati	1515-1600	15175	G.O.S-II	1000-1100	17840	Tamil	1500-1530	1053
Gujarati	0415-0430	17710	South East Asia			Tibetan	0130-0200	9565
Hindi	1615-1730	9950	G.O.S-I	2245-0045	9705	Tibetan	0130-0200	13700
Hindi	0315-0415	15180	G.O.S-I	2245-0045	13625	Tibetan	1215-1330	1134
Hindi	0315-0415	17710	G.O.S-III	1330-1500	9710	Tibetan	1215-1330	9565
Hindi	0430-0530	15075	G.O.S-III	1330-1500	11620	Tibetan	1215-1330	11695
Hindi	0430-0530	17710	G.O.S-III	1330-1500	13710	Urdu	0015-0430	702
Swahili	1515-1615	9950	Hindi	2300-2400	9910	Urdu	0015-0430	6155
West and North West Africa			Hindi	2300-2400	11740	Urdu	0015-0430	9595
French	1945-2030	9910	Hindi	2300-2400	13795	Urdu	0015-0100	1071
French	1945-2030	13750	Tamil	0000-0045	9910	Urdu	0100-0430	11620
G.O.S-IV	1745-1945	15200	Tamil	0000-0045	11740	Urdu	0200-0430	1071
G.O.S-IV	1745-1945	13750	Tamil	0000-0045	13795	Urdu	0830-1130	702
<u>EASTERN SERVICES:</u>			Tamil	1115-1215	13700	Urdu	0830-1130	1071
Burmese	0100-0130	9950	Tamil	1115-1215	15770	Urdu	0830-1130	9595
Burmese	0100-0130	13630	Tamil	1115-1215	17620	Urdu	0830-1130	11620
Burmese	1215-1315	11710	Telugu	1215-1245	13700	Urdu	1430-1930	702
Burmese	1215-1315	11620	Telugu	1215-1245	15770	Urdu	1430-1930	4860
Chinese	1145-1315	15780	Telugu	1215-1245	17620	Urdu	1430-1930	6045
Chinese	1145-1315	17705	<u>NEIGHBOURING COUNTRIES:</u>			Urdu	1600-1930	1071
Indonesian	0845-0945	15780	Bengali	0300-0430	594	<u>WESTERN SERVICE:</u>		
Indonesian	0845-0945	17485	Bengali	0800-1100	594	Baluchi	1500-1600	1071
Thai	1115-1200	15340	Bengali	1445-1515	1134	Baluchi	1500-1600	6165
Thai	1115-1200	17895	Bengali	1600-1730	1134	Baluchi	1500-1600	9620
<u>UNITED KINGDOM &amp; WEST</u>			Nepali	0130-0227	594	Baluchi	1500-1600	11585
<u>EUROPE:</u>			Nepali	0130-0227	3945	Dari	0300-0345	11895
G.O.S-IV	1745-1945	7410	Nepali	0130-0227	6045	Dari	0300-0345	11735
G.O.S-IV	1745-1945	9950	Nepali	0130-0227	9810	Dari	0300-0345	9910
G.O.S-IV	1745-1945	11620	Nepali	0130-0227	11715	Dari	1315-1415	7255
G.O.S-V	2045-2230	7410	Nepali	0700-0800	11850	Dari	1315-1415	9910
G.O.S-V	2045-2230	9650	Nepali	0700-0800	9595	Persian	0400-0430	15780
G.O.S-V	2045-2230	9950	Nepali	0700-0800	7250	Persian	1615-1730	7230
Hindi	1945-2045	7410	Nepali	1330-1430	11695	Persian	1615-1730	9910
Hindi	1945-2045	9950	Nepali	1330-1430	4860	Persian	1615-1730	11585
<u>ASIA:</u>			Nepali	1330-1430	6045	Punjabi	0800-0830	702
West Asia			Nepali	1330-1430	3945	Punjabi	1230-1430	702
Arabic	0430-0530	13620	Nepali	1330-1430	1134	Pushtu	0215-0300	9910

Pushtu	0215-0300	11735	Russian	1615-1715	15140	Sindhi	1230-1500	6165
Pushtu	0215-0300	11895	Sindhi	0100-0200	1071	Sindhi	1230-1500	9620
Pushtu	0215-0300	13620	Sindhi	0100-0200	5990	Sindhi	1230-1500	11585
Pushtu	1415-1530	7255	Sindhi	0100-0200	7125	Saraiki	1130-1200	702
Pushtu	1415-1530	9910	Sindhi	1230-1500	1071			

Legend: G.O.S. = General Overseas Service in English  
(AIR webpages last updated 4 Apr 2000 via JKB)

**IRAN:** Summer A00 schedule *Voice of the Islamic Republic of Iran - VOIRI* Tehran.

Alb 0630-0730 15235, 17585  
1830-1930 7295, 9545, 9610, 11660  
2030-2130 11660, 13790

Ar 0230-0430 9885, 11680;  
0230-0630 13775;  
0230-1630 15150#.  
0330-0530 17610;  
0430-1630 15125.  
0730-1030 21645#;  
0930-1230 17550#, 21545#;  
1030-1530 13675#;  
1330-1930 9860#  
1630-1930 6025, 11740, 11840  
1730-0130 6200  
1830-1930 9705#  
2030-0230 9705#  
2030-2130 6025, 11740, 11840  
2030-2130 9860#  
2130-0130 11710#.

Ar (Voice of Islamic Palestinian Revolution)  
0330-0430 7290#, 9610  
1930-2030 6025, 6200, 9705#, 9860#, 11740, 11840

Ar (Voice of Islamic Revolution of Iraq)  
0330-0530 9685#, 9745#, 11730, 13615#

Armanian 0300-0330 11860#.  
0930-1000 9615, 11700, 15260  
1630-1730 6175#, 6200#, 7230

Azeri 0330-0530 13590; 1630-1830 6160#

Bengali 0030-0130 6005, 9505#, 11835  
1430-1530 9525, 9740, 11985#, 15530#

Bosnian 0530-0630 15235, 15510, 17585  
1730-1830 7295, 9545, 9610, 11660  
2130-2230 9660#, 11660, 13790

Chinese 1330-1430 11670#, 15370, 15535#, 17605#, 17805#  
2330-0030 15400#, 15490#, 17600#

Dari 0300-0430 9580#  
1330-1500 7180

En 0030-0130 9022, 9835#, 11970  
1100-1230 15385#, 15430, 15585#, 21470#, 21730#  
1530-1630 7115#, 9635, 11775  
1930-2030 9022, 9575#, 11670#  
2130-2230 11740, 13745

Ge 0730-0830 15084v, 21775#  
1730-1830 9022, 11680, 11765#, 13685

Fr 0630-0730 17590#, 21645#, 21775#  
1830-1930 9022, 11680, 11860#, 11900, 13685#, 15205#  
2330-0030 9022, 9560#, 11970

Hausa 0530-0630 17600, 21645#, 21810  
1930-2030 11875#, 15315#

Hindi 0230-0300 15165#, 17700#  
1500-1530 7145, 9710#, 9850#, 11775

Italian 0630-0730 9022, 15084v, 17560, 17605

1200-1300 15084v, 15115, 17605  
 1930-2000 7295, 9545, 11660  
 Japanese 1300-1330 17605#, 17785#  
 2100-2130 13635#, 15295# new transmission  
 Kazakh 1500-1530 9585, 9755, 11675#, 11870#  
 Malay 1230-1330 15200, 15585#, 17555#, 17715#  
 Pashto 0230-0330 9525, 11670, 13640#  
 1230-1330 7165#, 9790, 11870, 13785  
 1430-1530 7270  
 1630-1730 6015, 6150#, 7140, 7195, 7255#  
 Persian 0000-0630 15084v  
 0130-0400 7275  
 0730-1200 15215#  
 0830-1200 15084v  
 0930-1030 17785  
 0930-1100 13695, 15115#  
 1300-2400 15084v  
 1630-1730 9765#  
 1930-2030 7105, 9775  
 Ru 1400-1500 11680#, 11930, 11960, 15280  
 1530-1630 7165, 7230, 9740, 9755, 9865#, 11675#, 11925#  
 1730-1830 6035, 7115, 7205#, 7305#  
 1930-2030 6045, 7125#, 7175, 9740#  
 Sp 0030-0230 9515, 9650, 13755#  
 0130-0230 9560#  
 0230-0330 13605  
 0530-0630 17590#, 17785#  
 2030-2130 9022, 11765  
 Swahili 0330-0430 15125, 15260#, 15595#, 17570#  
 1000-1100 17570, 17780#  
 1730-1830 9655#, 11995#  
 Tajik 0100-0230 7180;  
 0600-1730 5955  
 Turkish 0430-0600 15260#, 15365  
 1600-1730 7290#, 9022, 9515#  
 Urdu 0130-0230 9525, 11880#, 13640#  
 1330-1430 7270, 11660#  
 1330-1500 9565#, 9665#, 11950#, 13605#, 13785#, 15155#  
 1530-1730 7270  
 Uzbek 0230-0300 7180  
 1500-1600 5955 (Observer #74 via WB, 2000-June-5)

**IRELAND:** Recent *Radio Telefis Eireann* schedule in English. Address: Radio Telefis Eireann, Broadcasting Developments, Dublin 4, Ireland. Web: <http://www.rte.ie> and E-mail: haydej@rte.ie

0130-0200 C 6155 CeAM  
 1000-1030 K 11740 SoEaAS / AUS / NZL  
 1800-1830 S 15315 NE  
 1830-1900 C 13725 NoAM  
 1830-1900 A 21630 AF

(A) Ascension; (C) Sackville-CAN; (K) Kranji-SNG; (S) Skelton-UK.  
 (Ramon Vazquez Dourado via Conexion via BC-DX #470, 2000-Jun-19)

**MOLDOVA:** *Radio Moldova International* schedule valid until Oct 29, transmitter 120 kW located in Romania, Bacau Galbeni.

1100-1125 Sp 15315 LatAM 1130-1200 Rom 15315 NoAM  
 1200-1225 En 15315 NoAM 1930-1955 Ru 7520 RUS  
 1000-1025 Fr 7520 France 2030-2055 En 7520 WeEUR  
 2100-2125 Sp 7520 Spain

(Rikard Johansson via Noel R. Green via BC-DX #473 , Jul 6)

**MYANMAR:** The weekday schedule of *Radio Myanmar*, Yangon, observed as:

5985 0930-1600 (English 1430-1600)  
 7185 0030-0245 (English 0230-0245)  
 9730 0330-0830 (English)  
 4725 0930-1430 (indigenous languages)  
 (BP from Langkawi Island in EDXP #175, 00-Jun-27)

**OMAN:** Summer schedule of *Radio Oman*:

0200-0300 Ar 6085 15355      0300-0400 Ar 6085  
 0300-0400 En 15355            0400-0600 Ar 9515 17590  
 0600-1000 Ar 13640 17610      1000-1400 Ar 13640  
 1400-1500 Ar 15375            1400-1500 En 15140  
 1500-1800 Ar 15140 15375      1800-2000 Ar 11890, NF 15355 (x11805).  
 2000-2200 Ar 6085 9735        2200-0200 Ar 9735  
 (Ivo Ivanov in Observer via BC-DX #465, 2000-May-15)

**PALAU:** *Voice of Hope - KHBN* from the small island Palau, valid schedule A00. Reception report being verified without any reply postage from the following address: Voice of Hope, KHBN, POBox-66, Koror-96940, Palau. Email: hamadmin@palaunet.com

kHz	Target	kW	Az.
9955	S ASIA	50	280
9955	SE ASIA	50	280
9965	CHINA	80	318
9965	CHINA	80	318
9985	KOR/JAP	50	345
9985	KOR/JAP	50	345
13840	S. ASIA	50	270
15725	S. ASIA	50	270

(Website George Jacobs & Assoc. Inc. last modified 02 Apr 2000 via JKB)

**RUSSIA:** List of *Russian short wave transmitters*, valid 09/03/2000 - 10/28/2000.

<i>CRR-1, Moscow</i>	12020 0100-0500 RR	7390 2300-0200 VOR
5905 1530-2100 RR	12035 1830-1930 CRI	7390k 1500-1900 VOR
5910 0100-0400 RR	12045 1700-1800 BBC	7440 1700-1900 VOR
5940 1430-2100 RR	12060 1600-1900 VOR	9480 0000-0300 VOR
6205 0100-0500 RR	12060 1900-2100 VOM	9710 1600-1900 VOR
7175 2200-2300 CRI	12070 1700-1900 VOV	9720 1700-2100 VOR
7300 0000-0300 VOR	12070 1900-2100 VOR	9895ê 0200-0400 RR
7345 1400-2000 CS	13705 0530-1800 RR	9940 1730-2000 CS
7380 2300-0200 VOR	15455 0430-0700 RR	11745ê 0900-1000 VOR
7390* 1900-2030 VOV	15480 1200-1600 DW	12005 1500-1600 VOR
7400 2300-0200 VOR	15540 1600-1900 VOR	12015*** 1430-1700 VOR
7425 2000-2130 IBR	15625 1600-2130 IBR	12025ê 1730-2000 RR
7440 0430-1500 RR	17570 1200-1600 VOR	12045 0200-1700 CS
7440 1600-2100 VOR	17660 0730-1700 RR	12060 1500-1530 VOR
9450 2300-0200 VOR	* Alt. 7330	15305ê 0430-1700 RR
9450 1500-2100 VOR	** Alt.12015	15595** 1730-1800 VOR
9470 2300-0200 VOR	<i>CRR-2 (S.Petersburg,</i>	15595** 1800-1830 CRI
9480 1700-2100 VOR	<i>Kaliningrad[k])</i>	15595** 1830-1900 VOR
9720 0530-1400 RR	5835ê 2025-2125 RNW	15620 0530-1400 CS
9765 1600-2000 VOR	7130* 1500-1600 VOR	17580** 1500-1600 VOR
9775 1700-2100 VOR	7130* 1600-1700 CRI	17580** 1600-1700 CRI
9810 1600-2000 VOR	7130* 1700-1800 VOR	* from 24/09/2000
9845 1830-2100 RR	7130* 1800-1830 CRI	** till 23/09/2000
11735 1730-2100 RR	7130* 1830-1900 VOR	*** Alt. 11985
11920 1700-1900 VOR	7300ê 1500-1900 VOR	<i>CRR-3 (Samara)</i>
11980 0100-0400 RR	7310 1500-2100 VOR	5925 0000-0100 DW
11980 1500-1800 VOR	7320 1730-2000 VOR	5935 1430-1700 VOR
11985 0500-1330 CS	7335 0200-0500 CS	5935 1700-1800 DW
11985** 1400-1900 VOR	7335 1330-2000 CS	5935 1800-1900 VOR

5935	2000-2130	IBR	12060	2300-0200	VOR	15525	0800-0830	DW	15525	1230-1330	VOR
5945	1400-1800	DW	15455	0900-1000	VOR	15610	1030-1055	DW	15610	1030-1055	DW
6000*	1600-1900	VOR	15460	1200-1600	VOR	17665	1000-1200	VOR	17665	1000-1200	VOR
6205	1610-1640	VAT	15525	0800-0830	DW	17845	1000-1400	DW	17845	1000-1400	DW
7315*	1400-1800	VOR	17610	1300-1400	VOR	<i>TCR-12 (Chita)</i>					
7355	1730-2100	RR	<i>CRR-8 (Khabarovsk)</i>			11640	2300-2330	RCI	11640	2300-2330	RCI
7360	1330-1700	RR	7210	1900-1500	RR	11695	1400-1900	VOR	11695	1400-1900	VOR
7365	0100-0500	RR	7490	1000-1100	VOR	11870	1300-1530	BBC	11870	1300-1530	BBC
7380	1600-1700	VOR	9470	1000-1400	VOR	12055	1200-1300	VOR	12055	1200-1300	VOR
7380	1700-2200	MAR	9480	1000-1400	VOR	12055	2200-2300	BBC	12055	2200-2300	BBC
9470**	1600-1900	VOR	9945	1200-1400	VOR	17655	0600-0800	VOR	17655	0600-0800	VOR
9490	1600-1900	VOR	11990	0100-0500	VOR	<i>Ekaterinburg Radio Centre</i>					
9690	0600-0700	RT	13695	1325-1425	RNW	7220	2100-1700	RR	7220	2100-1700	RR
9730	1500-1700	VOR	13820	1025-1125	RNW	7370	1600-2000	VOR	7370	1600-2000	VOR
9795	1700-1800	VOR	15425	0100-0500	VOR	9785	1600-1800	VOR	9785	1600-1800	VOR
9795	1900-2100	VOR	15595	0100-0500	VOR	11630	1700-2000	VOR	11630	1700-2000	VOR
9820	1700-2100	VOR	17570	0500-0600	Sun VOM	11930	1700-2000	VOR	11930	1700-2000	VOR
9865	1600-2000	VOR	17590	2325-0025	RNW	12040	1500-2000	VOR	12040	1500-2000	VOR
9890	1730-2000	VOR	17625	0530-0900	VOR	<i>Vladivostok Radio Centre</i>					
9890	2300-0200	VOR	17665	0500-0900	VOR	5940	1000-1200	VOR	5940	1000-1200	VOR
11665	0400-0500	RT	<i>CRR-10 (Irkutsk)</i>			5940	1430-1455	DVB	5940	1430-1455	DVB
11925	0800-0900	RT	7150	2200-2300	VOA	5945	1245-1345	DVB	5945	1245-1345	DVB
12000	1500-1900	VOR	7305	2200-2245	VAT	7305	1000-1400	VOR	7305	1000-1400	VOR
12005	0930-1300	RR	9400	1130-1600	TWR	7330	1000-1200	VOR	7330	1000-1200	VOR
12010	0500-0800	MAR	9655	1030-1500	RR	7375	1200-1400	VOR	7375	1200-1400	VOR
12010	1500-1700	MAR	9805	1900-2200	RR	11640	1200-1400	VOR	11640	1200-1400	VOR
12010	2030-2130	CRI	9875	0900-0945	DW	11975	0000-0100	DW	11975	0000-0100	DW
12055**	1400-1800	VOR	9875	1000-1100	VOR	11990	1000-1100	BBC	11990	1000-1100	BBC
12065	0530-0900	RR	9900	1000-1400	VOR	12005	2200-2300	RFI	12005	2200-2300	RFI
12070	1400-1700	VOR	9940	1300-1400	HBN	15560	1200-1400	VOR	15560	1200-1400	VOR
13690	0200-0300	VOR	12000	1200-1400	VOR	15595	2300-2400	RFI	15595	2300-2400	RFI
15550	1300-1500	VOR	12025	0930-1030	RFI	17660	0100-0500	VOR	17660	0100-0500	VOR
17590	0700-1100	WUN	12025	1100-1300	RFI	<i>Petropavlovsk-Kamchatskiy Radio Centre</i>					
17610	1200-1400	VOR	12025	2300-0100	RFI	7315	1000-1400	DW	7315	1000-1400	DW
17670	0900-1000	VOR	12075	2200-2300	RCI	7340	1200-1300	VOR	7340	1200-1300	VOR
17675	0900-0930	DW	13710	0925-1125	RNW	7340	1315-1345	VAT	7340	1315-1345	VAT
17675	1300-1400	VOR	13720	1000-1400	DW	7340	1900-2000	Tue,Thu,Sat KR	7340	1900-2000	Tue,Thu,Sat KR
17685	1300-1400	VOR	15475	2230-1000	RR	9450	1030-1055	DW	9450	1030-1055	DW
17795	1130-1500	WUN	15490	0600-0700	VOR	9450*	1200-1300	CHR	9450*	1200-1300	CHR
* from 24/09/2000			15580	0030-0200	TWR	9865	1130-1230	RVI	9865	1130-1230	RVI
** till 23/09/2000			15605	2300-2350	DW	9890**	1325-1425	RNW	9890**	1325-1425	RNW
<i>TCR-4 (Krasnodar)</i>			17570	2300-2350	DW	9920	1300-1350	DW	9920	1300-1350	DW
5965	1530-2100	RR	21790	0500-0900	VOR	12045	0000-0100	DW	12045	0000-0100	DW
7250	0100-0300	VOV	<i>CRR-11 (Novosibirsk)</i>			12045	1900-2000	Tue,Thu,Sat KR	12045	1900-2000	Tue,Thu,Sat KR
7260	0000-0200	VOR	7305	1330-1700	VOR	12055	1000-1100	VOR	12055	1000-1100	VOR
7260	0300-0400	VOV	9490	1130-1200	VOR	12065	0925-1125	RNW	12065	0925-1125	RNW
7325	1400-1700	VOR	9490	1230-1400	VOR	12065	2130-2200	VOA	12065	2130-2200	VOA
7325	1700-1800	Mon,Fri RA	11570	0000-0100	IBC	13640	1000-1100	VOR	13640	1000-1100	VOR
7325	1730-1800	Wed,Thu,Sun RK	11795	2200-0000	DW	13790	0100-0300	VOR	13790	0100-0300	VOR
7350	1700-2100	VOR	11990	1300-1500	VOA	15455	0100-0500	VOR	15455	0100-0500	VOR
7395	1900-2130	DW	12025	1330-1700	VOR	15465	0200-0500	VOR	15465	0200-0500	VOR
9430	1430-1900	VOR	12045	0100-0200	VOR	15520	0100-0300	VOR	15520	0100-0300	VOR
9830	0000-0200	VOR	12045	2200-2300	RFI	17595	0100-0300	VOR	17595	0100-0300	VOR
11655	0830-1500	RR	12055	2300-2345	DW	17595	0400-0500	VOV	17595	0400-0500	VOV
11705	1700-1800	DW	12075	1200-1300	RFI	21790	2300-2345	DW	21790	2300-2345	DW
12020	1600-2000	VOR	12640	1300-1350	DW	* Alt. 5895			* Alt. 5895		
12025	0100-0800	RR	13690	2200-2400	DW	** Alt. 5930			** Alt. 5930		
12030	1500-2100	VOR	15470	1000-1200	VOR						
12035	1600-1800	VOR	15490	1000-1200	VOR						

RT = Radio Tatarstan	IBC = International Broadcasting Corporation
CS = Chechnya Svobodnaya	IBRA = IBRA Radio
RA = Radio Adygeya	MAR = Radio Maryja
RK = Radio Kabardino-Balkariya	RCI = Radio Canada International
REG = Regional	RFI = Radio France Internationale
TO = Tikhiy Okean	RNW = Radio Nederland Wereldomroep
KR = Kamchatka Rybatskaya	RVI = Radio Vlaanderen Internationaal
BBC = British Broadcasting Corporation	VAT = Radio Vaticana
CHR = China Radio	VOA = Voice of America
CRI = China Radio International	VOM = Voice of Mediterranean
DVB = Democratic Voice of Birma	VOV = Voice of Vietnam
DW = Deutsche Welle	WUN = World University Network
HBN = Herald Broadcasting Network	

(Nikolai Rudnev, Belgorodskaya oblast in RUS-DX # 84 via HQ-WWDXC)

**Radio Rossii** on shortwave until 09/02/2000:

kHz	UTC	kW	Tx				
				9845	1830-2100	250	Moscow
4485	2300-1900	015	Ufa	9895	0200-0400	240	Kaliningrad
5905	1530-2100	100	Moscow	11655	0830-1500	100	Krasnodar
5910	0100-0400	100	Moscow	11735	1730-2100	250	Moscow
5935	0100-0500	100	Moscow	11980	0100-0400	250	Moscow
5940	1430-1700	100	Moscow	12005	0930-1300	100	Samara
7220	2100-1700	200	Ekaterinburg	12020	0100-0500	250	Moscow
7355	1730-2100	100	Samara	12025	0100-0800	100	Krasnodar
7360	1330-1700	100	Samara	12025	1730-2000	240	Kaliningrad
7365	0100-0500	100	Samara	12065	0530-0900	100	Samara
7440	0430-1500	100	Moscow	13705	0530-1800	250	Moscow
9490	1530-2100	100	Krasnodar	15305	0430-1700	240	Kaliningrad
9655	1030-1500	100	Irkutsk	15455	0430-0700	250	Moscow
9720	0530-1400	100	Moscow	15475	2230-1000	100	Irkutsk
9805	1900-2200	100	Irkutsk	17660	0730-1700	250	Moscow

(Nikolai Rudnev in RUS-DX #82A, 4 May 2000)

Long- and medium wave **station review** for the **Sankt-Peterburg region**.

kHz	kW	UTC	Station
198	150	2300-2200	"Mayak"
234	1000	inactive	
549	1000	0000-2300	"Mayak"
684	10	1400-1700	Pravoslavnoye Radio Peterburga
		1700-1900	Radio Radonezh
801	1000	0100-2300	Radio Rossii
828	10	0300-2200	Radio Liberty/VoA
873	150	inactive	
1053	10	2000-2000	Radio Maryja
1089	20	0300-1900	Radio Teos
1125	150	0200-2000	Radio Orfey
1188	10	0200-2200	Deutsche Welle
1260	10	0230-2030	BBC
1440	10	0000-2300	RFI
1494	1200	0200-1400	Radio Yunost

(Alexey Osipov - Sankt-Peterburg DX Club via RUS-DX #83C via WWDXC-HQ, 20 Jun 2000)

**TAJIKISTAN:** Foreign station SW relays in A-00 season via Dushanbe:

4940	-	1300-1600	-	100	-	ND	VoR
4965	-	1300-1600	-	100	-	ND	VoR
4975	-	1300-1600	-	100	-	180	VoR
5830	-	1430-1530	-	100	-	240	BBC
5830	-	1615-1700	-	100	-	240	BBC
5830	-	1700-1730	-	100	-	240	R Iran of Tomorrow
9945	-	0100-0200	-	500	-	267	VoR
9975	-	1430-1900	-	200	-	240	VoR

11500 - 0000-0200 - 500 - 295 VoR  
 11500 - 1300-1400 - 500 - 152 VoR  
 15600 - 1245-1345 - 200 - 125 Dem Voice of Burma  
 15600 - 1430-1455 - 200 - 125 Dem Voice of Burma  
 15640 - 0100-0145 - 100 - 125 VoTibet  
 15645 - 1212-1300 - 100 - 125 VoTibet  
 17495 - 0700-0900 - 500 - 117 VoR (Nikolai Rudnev via BC-DX #465, 15 May 2000)

**THAILAND:** *Radio Thailand* broadcast A00 schedule valid until 10/29/00 for listeners in all parts of the world on short-wave transmitted from Bang Phun, Pathum Thani, Central Thailand, and relayed over transmitters in Ban Dung, Udon Thani, Northeastern Thailand, on frequencies shared with the Voice of America. Address: Radio Thailand World Service, External Services, 236 Vibhavadi Rangsit Highway, Huaykhwang, Bangkok 10400, Thailand. Website <http://www.prd.go.th>.

0000-0030	English	9655, 9690, 11955
0030-0100	English	9655, 9655, 15395
0100-0200	Thai	9655, 9655, 15395
0300-0330	English	9655, 9655, 15390
0330-0430	Thai	9655, 9655, 15395
0530-0600	English	9655, 9655, 21795 (ex 15445)
1000-1100	Thai	9655, 11805, 11955
1100-1115	Vietnam.	7260, 9655, 11955
1115-1130	Khmer	7260, 9655, 11955
1130-1145	Lao	6030, 9655, 11955
1145-1200	Burmes	6030, 9655, 11955
1200-1215	Malay	9655, 11805, 11955
1215-1230	Indon.	9655, 11805, 11955
1230-1300	English	9655, 9885, 11955
1300-1315	Japanese	9655, 11850, 11955
1315-1330	Mandarin	9655, 11850, 11955
1330-1400	Thai	9655, 9655, 11955
1400-1430	English	9655, 9830, 11955
1800-1900	Thai	9655, 9680, 11955
1900-2000	English	7195, 9655, 11955
2000-2015	German	9655, 9680, 11955
2015-2030	French	9655, 9680, 11955
2030-2045	English	9655, 9690, 11955
2045-2115	Thai	9535, 9655, 11955

(Marcelo A. Cornachioni in Conexion #61, 25 Jun 2000)

**TUNISIA:** New schedule of *RTT Tunis* in Arabic, eff May 1:

0400-0700 NF 7110, NF 7275  
 1200-1400 17735  
 1400-1700 NF 11655  
 1400-1700 11730  
 1700-1900 7225, 9720  
 1700-1900 NF 11655  
 1900-2100 NF 7110, 7225  
 2100-2300 NF 7110, 7225

(Ivo Ivanov and Anguel Datzinov in Observer #76 & #73 via WB, May/June 2000)

**USA:** *Radio Free Asia - RFA*, schedule in A00, valid until Oct 28. RFA uses IBB transmitters in HOL = Holzkirchen Germany, SAI = Saipan & TAI = Taipan NoMariana Isls. and relays in ALM = Almaty-KAZ, DUS = Dushanbe-TJK, IRA = Iranawila Sri Lanka, WHR = KWHR Hawaii, HBN = KHBN Palau Isl.-marked [P], ULA = UlaanBataar Mongolia, and YER = Yerevan Armenia.

0000-0100	LAO	7550I 11830A 15545T
0030-0130	BURMESE	13680T 15660A 17525D 17645S
0100-0300	TIBETAN	9365Y 11975H 15225T 15695D 17730U
0100-0130	UYGUR	9350D 11520D 15405T



0300-0400	MANDARIN	13670T	13760T	15150T	15665T	17495D	17525D	17615S
		17880S						
0400-1000	MANDARIN	13670T	13760T	15150T	15665T	17495D	17525D	17615S
		17880S						
0600-0700	TIBETAN	17510D	17535Y	17720U	21500T			
1100-1300	TIBETAN	7470U	11590Y	13625T	15695D	17855H-(from 1200)		
1100-1200	LAO	9355S	9545T	15560T	15660A			
1200-1300	CAMBODIAN	9355S	13765T	15185T	15660A			
1300-1400	TIBETAN	7470U	11590E	13625T	15695D	17855H		
1400-1500	CANTONESE	9445S	11950S	13625T				
1400-1500	VIETNAMESE	9455S	9635T	9930W	11510Y	11520A	11765T	13775P
		15660D						
1400-1500	KOREAN	7380U	11790T(x11715)	13720T	15690Y			
1500-1600	BURMESE	9920A	11750T	15695D				
1500-1600	TIBETAN	7470U	11510Y	13835D				
1500-1600	MANDARIN	9905P	11765T	11945S	13690T	15510T	15680D	17640T
1600-1630	UYGUR	7460D	9370D	13625T				
1600-1700	MANDARIN	9455S-(fr 1630)	9905P	11750T	11795T	11945S	13690T	
		15510T	15680D	17640T				
1700-1800	MANDARIN	9455S	9905P	11750T	11795T	11945S	13690T	
		15510T	15680D	17640T				
1800-1900	MANDARIN	9355S	11520D	11740T	11945S	11955T	13680T	15510T
		15680D	17640T					
1900-2000	MANDARIN	9355S	9905P	11520D	11740T	11945S	11955T	13625T
		13680T	15510T	15680D				
2000-2100	MANDARIN	9355S	9455S	9905P	11520D	11700T	11740T	11935S
		13625T	15515T	15680D				
2100-2200	CANTONESE	9355S	11785T	13675T				
2100-2200	MANDARIN	9455S	9910P	11700T	11740T	11935S	13625T	15515T
		15680D						
2200-2300	CANTONESE	9355S	9955P	11785T	13675T	15430T		
2200-2300	KOREAN	7460U	9455S	11670S				
2230-2330	CAMBODIAN	9930P	11570A	15175I	15485T			
2300-2359	MANDARIN	9910P	11785T	13800S	15430T	15550T	15680D	
2300-2359	TIBETAN	7470U	9365Y	9875H	15695D			
2330-0029	VIETNAMESE	11540D	11560A	11580U	11670T	13720S	15560P	

(various sources via WB + updated by WB, Jul 7)

**Worldwide Catholic Radio - WEWN** frequency guide effective March 26, 2000 -October 29, 2000. WEWN is a privately-owned Catholic radio station, operated by the Eternal Word TV Network (EWTN). Station began broadcasting on 28th December 1992. Email Contact Joseph A. Dentici, Frequency Manager, JDentici@ewtn.com

North America	Latin America	Europe	UTC
English/Spanish	Spanish	English	
5825 / 13615	7425	5825*	0000
5825 / 13615	7425	5825*	0100
5825	7425	5825*	0200
5825	7425	5825*	0300
5825	7425	5825*	0400
5825	7425	5825*	0500
5825	7425	5825*	0600
5825	7425	5825*	0700
5825	7425	5825*	0800
5825	7425	5825*	0900
7425	9465	15745	1000
7425	9465	15745	1100
7425	9465	15745	1200
11875	9465	15745	1300
11875	15375	15745	1400
11875	15375	15745	1500
11875 / 13615	15375	15745	1600
11875 / 13615	15375	15745	1700

11875 / 13615	15375	15745	1800
11875 / 13615	15375	15745	1900
11875 / 13615	15375	15745	2000
11875 / 13615	15375	15745	2100
9385 / 13615	15375	9975	2200
9385 / 13615	15375	9975	2300

\*= Secondary coverage to Europe during this time - Signal strength is marginal.  
 (ETWN webpage last modified 01 May 2000 via JKB)

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**Sources & Contributors:**

BC-DX	News Bulletin by Wolfgang W. Bueschel - Germany.
BP	Bob Padula - Australia.
CONEXION	CONEXION Digital - Buenos Aires, Argentina
EDXP	Electronic DX Press, Bob Padula - Australia.
EDXP-ENET	ELECTRONIC DX PRESS Messaging Network - Australia.
JKB	Dr. Juergen Kubiak, Berlin - Germany.
OBSERVER	Fortnightly edition of Radio Bulgaria's Frequency Management.
RUS-DX	Information bulletin of Russian DX League.
WB	Wolfgang W. Bueschel, Stuttgart - Germany.
WDXC-HQ	WDXC Headquarter / Michael Bethge, Bad Homburg - 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	
Sp Spanish	
Turk Turkish	

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<http://www.snafu.de/~j.kubiak/>

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# DX LOGBOOK

## Logs around the clock

by Eberhard Ahl, Postfach 32 01 39, D-55065 Mainz, Germany

### MEDIUMWAVE

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
171,0	0146	24322	MRC	R. Mediterrane, Nador	A	// 9575 arabische Folkl.Mx	0507	HKN
261,0	1627	25322	D	R. France Intern. via Radioropa 2.6.1., Burg	D	16. Musikfestival, Frequencies	0507	HKN
531,0	2252	33433	ALG	RTA1, Ain El Beida	A	Anns Folkl MX, QRM	0507	HKN
549,0	0157	23322	SVN	R. Slovenia, Bell Kriz	SLOV	// 648 + 918 , 02.00 ID,Nx	0507	HKN
630,0	2248	33333	TUN	RTT, Tunis - Djedeida	A	Arabische Orchester Musik	0607	HKN
648,0	0118	32432	SVN	R. Slovenia, Murska Sobota	SLOV	(10 kW) // 918 ID, TA	0507	HKN
819,0	0127	34433	EGY	ERTU, Batra	A	// 9755 Holy Quran Px	0507	HKN
1035,0	0140	44444	HOL	R, Nationaal, Hunsel	HOLL	Oldies , 01.59 ID + Jingle	0706	HKN
1044,0	0200	43433	D	MDR Info, Dresden	D	ID, Nachrichten, Wetter	0706	HKN
1062,0	0209	34333	CZE	Country Radio, Prag	TSCH	Ansagerin, Country MX	0706	HKN
1142,0	0217	43333	D	AFN, mehrere Standorte in Bayern	E	American Force Network informations, ID,	0706	HKN
1251,0	0243	43433	LBY	Voice of Africa	F	ID, Nachrichten // 15435	0706	HKN
1440,0	0300	55444	LUX	Missionswerk Werner Heukelbach, Marnach	D	Predigt "Jesus unser Schicksal"	0706	HKN
1458,0	0310	44333	G	Sunrise Radio, London	VN	Indischer Dialekt, Folklore	0706	HKN
1521,0	0102	23322	G	Breeze AM, Reigate	E	640 Watt, Golden Pop Oldies, QRM SER	0706	HKN
1548,0	0110	44444	G	Capital Gold, London	E	ID, Jingle, Beatles songs	0706	HKN
1557,0	0122	33333	G	BBC Radio Lancashire	E	Reaggy Music, News	0706	HKN
1557,0	0116	34433	HRV	HR Osijek	KROAT	Schlager Sänger, Ansager	0706	HKN
1584,0	0320	33433	HOL	1548 AM, Utrecht	HOL	Tina Turner, QRM SER	0706	HKN

### TROPICAL BANDS

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
3255,0	2120	34433	SWZ	BBC WS	E	ID, News	2006	ZL
3955,0	2010	55544	G	Flat Earth Radio	E	No Details	0107	GON
3955,0	2100	55444	G	Global Sound Kitchen	E	No Details	0107	GON
3965,0	2229	45544	D	Fritz Love Radio	D	Love Talks from Berlin	0807	MBH
4716,8	0020	34333	BOL	Radio Yura	S	Klare ID, Frequencyansage	0607	HKN
4770,0	2041	34333	NIG	FRCN Kaduna	VN	Talk PX	2006	ZL
4782,9	2043	32232	MLI	RDF Maliene	VN	Talk PX	2006	ZL
4810,0	2000	44333	ARM	V.o. Armenien	G	No Details	0706	GON
4820,0	2238	34232	BOT	R. Botswana	VN	Folkl MX, Talk	2006	ZL

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
4845,0	2045	33433	MTN	R. Noakchot	VN	Talk, Guitar MX	2006	ZL
4915,0	2049	22222	GHA	GBC Accra	VN	Folkl Songs	2006	ZL
4930,0	1950	44334	RUS	R. Asgabad	VN	No Details	0706	GON
4950,0	2051	44433	STP	V O A RELAIS	E	Afrika tonight	2006	ZL
5020,7	0510	33333	NGR	L voz de Sahel	F	Talök by OM	1006	ZL
5060,0	2004	43343	UZB	R. Tashkent	G	No Details	0706	GON
5799,0	1650	33333	CHN	PBS Xingjang	VN	Talk by YL, Folokl MX	0907	ZL

## SHORTWAVE

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
5850,0	0954	33433	D	Fritz Love Radio, Jülich	D/E	Techno Musik, Live Übertragung, ID,	0807	HKN
5930,0	1458	45544	CZE	R. Prag	D	Staatsfeiertag am 5, Juli,	0507	HKN
5975,0	1507	34 4	D	Love Radio-Fritz	D	Rep. About Love Parade	1107	DC
6024,5	2348	34 3	BOL	La Voz de Bolivia	S	QRG-Talk, Folkl MX,	1107	DC
6025,0	0028	34333	BOL	R. Illimani, La Paz	S	Sportreportage Live	0607	HKN
6035,0	2325	14 1	CLM	La Voz de Guaviare	S	Folkl MX, ID	1107	DC
6050,0	0036	34433	EQA	HCJB, Pifo	S	ID, "Emfoque a la Familia"	0607	HKN
6050,0	2059	34333	NIG	FRCN, Ibadan	R	Trommeln, Nachrichten,	0607	HKN
6100,0	2110	54444	BIH	R. Jugoslawien	E	Nachrichten, ID, Jingle	0607	HKN
6135,1	2150	34333	B	R. Aparecida	P	Rep over Fußball WM 2006 in Deutschland,	0607	HKN
6140,0	1132	45444	D	Deutsche Welle, Jülich	E	Bericht über Tina Turner	0507	HKN
6140,0	2226	55544	G	Virgin R. via Merlin	E	POP MX, //3955,7325	0807	MBH
6165,0	2122	34433	TCD	RN Tchadienne	F	Afrikanische Folklore	0607	HKN
6165,0	2203	24333	VTN	VO Vietnam, Hanoi	HMONG	Monoton klingende Musik	0607	HKN
6175,0	2240	34333	CAN	BBC, Montreal	E	Bericht über Erdbeben	0607	HKN
6956,6	0220	24333	PRU	LV del Campensino	S	Ansager, Anden Folklore	0307	HKN
7095,0	1853	?????	CLA	V.o. iraqi Kurdistan	VN	//4085, Talk PX	0906	ZL
7180,0	0715	54544	NOR	R. Norway inter	VN	No Details	0307	GON
7184,0	1730	33333	BGD	R. Bangladesh	VN	Talk about Indian, Folkl MX	0907	ZL
7210,0	0853	15232	BLR	R. Minsk	VN	No Details	0307	GON
7230,0	0605	44444	G	NHK World Radio	E	News (RELAIS)	2105	HGA
7265,0	0700	45544	D	SWR 3	G	No Details	2606	GON
7360,0	2110	44444	G	World Beacon	E	ID, QRG, Adresse	0807	HKN
9355,0	0645	44444	USA	R. Taipe Inter	G	Polit Talk, (RELAIS)	2105	HGA
9355,0	0715	45553	USA	R. Taipeh Inter	F	No Details	2606	GON
9440,0	1910	33333	CHN	RCI Intern.	E	Intern. News	2905	HGA
9500,0	1908	33233	AUS	R. Australia	E	Intern. News	2205	HGA
9545,0	1415	34333	D	Deutsche Welle, Nauen	D	WISO, Börse, Kurse,	0507	HKN
9640,0	1743	44444	UKR	R. Ukraine Intern.	D	DX Programm, 17.53 UTC	0507	HKN
9695,0	2200	44444	B	R. Rio Mar, Manaus	P	ID, Jingles, Nachrichten	0307	HKN
9750,0	1610	43433	???	V.o. Islam	???	Asia Songs with Talk	2506	ZL

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
9880,0	0720	55555	CZE	R. Praque	E	No Details	2606	GON
11690,0	2200	32442	???	Scandinavian Weekend R.	E	No Details	3006	GON
11734,0	1642	34443	TZA	R. Tansania	VN	Folk MX, Talk in Dailekt	0907	ZL
11955,0	1211	44444	TUR	V.o. Türkei	VN	Folkl Songs Talk S=9+10	2506	ZL
11965,0	1740	33233	GUM	KSDA Guam	E	Rel. PX, ID	1905	HGA
12130,0	1740	33223	AFS	Channel Afrika	E	MX, ID	2205	HGA
13690,0	2250	35433	RUS	Deutsche Welle, Novosibirsk	D	Länderspiegel, Bericht über eine Strandkorb	0407	HKN
13730,0	1045	15322	RUS	Deutsche Welle, Irkutsk	D	Politik + Zeitgeschehen, Nachrichten, Funkjournal,	0507	HKN
13740,0	1000	34433	VTN	V o Vietnam	E	Inter. News	1105	HGA
13810,0	1005	15422	D	Fritz Love Radio via Jülich	D/E	Interview mit DJ's, Vergleich mit Woodstock	0807	HKN
15048,9	0137	25333	CTR	RfPI	E	G. Hauser : Continent of media (So) // 6970	0807	HKN
15115,0	0626	32333	NZL	RNZI New Zealand	E	Telling a Story	1305	HGA
15150,0	0755	44444	EQA	HCJB Quito	E	Rel. PX	2903	HGA
15150,0	1808	32233	INS	RRI Djakarta	G	News, ID	1105	HGA
15150,0	2026	55333	INS	V.o.Indonesia	E	No Details	0706	GON
15160,0	2022	45333	ALG	RTA Algier	E	No Details	0706	GON
15215,0	0608	22232	AFS	Chanel Afrika	E	Intern. News	2205	HGA
15315,0	0800	44444	F	RFI Paris	F	No Details	0307	GON
15330,0	0815	34433	GUM	KTWR Guam	E	Rel. Program	2205	HGA
15355,0	1728	33433	???	NHK World Radio	E	News (RELAIS)	1905	HGA
15435,0	0247	45444	LBY	Voice of Africa	F	// 1251, Nachrichten,	0706	HKN
15480,0	1300	44444	RUS	Deutsche Welle, Moskau	D	Funkjournal, Kurzwelle + Satellit	0507	HKN
15665,0	1845	34333	USA	WSHB	G	Talk about Jesus	2205	HGA
15695,0	0130	25422	TJK	R. Free Asia	TIBET	Politische Gesprächsrunde, Ansagerin	0907	HKN
15700,0	1037	45444	BUL	R. Bulgaria	G	No Details	0107	GON
17750,0	0604	34433	AUS	R. Australia	E	Sport report, News	2105	HGA
17765,0	0701	23332	NZL	RNZI Newzealand	E	News, ID	2105	HGA
17870,0	1801	33233	AFS	Channel Afrika	E	Intern. News	1905	HGA
21455,0	0751	15444	EQA	HCJB	E	No Details	0307	GON
21460,0	0922	44444	PAK	R. Pakistan	HINDI	Songs and many short talk	2506	ZL
21590,0	2012	15444	HOL	R. Netherland	E	No Details	0706	GON

## OVERSEAS LOGBOOK

With loggings from Canada and USA

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
7315,0	0055	42222	USA	WHRI	S	Talk by 2 OM's	2405	MH
7315,0	0113	53333	USA	WHRI	S	Talk by2 YLS's	2204	MH
7315,0	0113	53333	USA	WHRI	S	Talk by OM over Cuba	2204	MH
7385,0	0328	44533	USA	R. Prag	E	Mailbox with R. Lemke	2005	RL
7415,0	0230	45433	USA	WBCQ the Planet	E	Johnny Lighting o. shortw.	0506	RL
7580,0	0117	55555	USA	WHRA	E	Phone Interwiev, ID	2204	MH
7580,0	0117	55555	USA	WHRA	E	Phone in PX	2204	MH
9400,0	0244	45333	BUL	R. Bulgaria	E	Letterbox, Verify CORNER	0506	RL

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
9495,0	2114	33333	USA	WHRI	E	Preaching by OM o. Jesus	2505	MH
9545,0	1340	13322	IND	All India Radio	E	Lokal MX, Rep. by YL	2904	MH
9545,0	1340	13322	IND	AIR Dehli	E	Folkl MX, Rep by YL	2904	MH
9560,0	0059	34543	HNG	R. Budapest	E	DX- Blockbuster	2105	RL
9610,0	1240	24443	I	WAR (RELAIS)	E	Instrum. MX, Talk	2205	MH
9655,0	0154	5543	AUT	RAI Austria	E	Postbox, David ward Chris	0406	RL
9695,0	0115	55433	VTN	V O Vietnam	E	Mr. Wong working out	1905	RL
9835,0	0229	55555	HNG	R. Budapest	E	News by OM	2205	MH
11585,0	0302	24433	ISR	KOL Israel	HEBR	Rep about Haifa, //9390	2105	MH
11585,0	0302	24433	ISR	KOL Israel	A	//9390, News about Haifa	2105	MH
11600,0	0132	32222	SVK	AWR (RELAIS)	E	Gospel MX, Talk by OM	2405	MH
11655,0	0144	55555	GFU	RFI Paris (RELAIS)	F	Talk by 2YL's //9800	2205	MH
11655,0	0316	54444	TUR	V.o.Türkei	E	DX-Corner, Mailbox PX	2105	MH
11700,0	0123	44444	BUL	R. Bulgarien	F	/9400,Rep aboutTechnolgy	2205	MH
11740,0	0200	35544	USA	R. Taipei Inter	E	QRG Ans,NA,Talk by YL	0305	MH
11740,0	0200	35544	USA	R. Taipeh Inter	E	QRG Talk, ID//5950	0305	MH
11815,0	1325	33333	CTR	REE (RELAI)	S	//9765, Rep by OM	2805	MH
13625,0	0155	24433	S	RSI Stockholm	E	Tape Rep by 2 OM's	0305	MH
13625,0	0155	24433	S	RSI Stockholm	E	Talk by 2 OM's, ID	0305	MH
13735,0	1230	44444	SNG	Swiss Radio RELAY	F	Talk by YL, „Back to Back“	2904	MH
13735,0	1230	44444	SNG	Swiss Radio RELAIS	F	Phone Coment by YL	2904	MH
13750,0	2006	23322	CUB	RHC Habana	F	Tape Report	0606	MH
13790,0	1639	34333	POR	DW Köln (RELAI)	F	Comments by OM	0606	MH
13800,0	0306	55555	NOR	R. Norway	VN	//11635, News	0606	MH
13855,0	1935	33333	SVK	WAR (RELAI)	A	Talk about Cypres	0606	MH
15110,0	2136	33333	E	REE Madrid	S	Talk by 2 OM's	2505	MH
15115,0	1707	24433	G	NHK World (RELAI)	J	Talk by 2 OM's	0606	MH
15160,0	1957	34444	ALG	RTA Algier	S	Folkl MX, Anns	2404	MH
15160,0	1957	2404	ALG	RTA Algier	S	Talk Folkl MX	2404	MH
15230,0	0044	54444	CUB	RHC Habana	S	Talk by 2YL's	2405	MH
15255,0	2130	23333	S	RSI Stockholm	E	//9435, Talk about Solving	2505	MH
15285,0	2001	34433	E	REE Madrid	E	Talk about Gonzales	2404	MH
15285,0	2001	34433	E	REE Madrid	E	//9595, national News,	2404	MH
15340,0	0037	24333	ROU	RRI Bukarest	S	//11790, Rep by YL	2205	MH
15345,0	2329	43333	ARG	RAE Buenos Aires	S	Tango MX, Talk o.Tango	2305	MH
15360,0	1815	55555	G	RKI Seoul (RELAI)	R	MX by Group	0606	MH
15420,0	1810	23333	AFS	BBC WS (RELAI)	E	Talk by OM	0806	MH
15565,0	0400	45533	BEL	RVI Brüssel	E	Tourism. Chip shop	0506	RL
17510,0	0104	44444	HWI	KWHR Hawaii	E	Unsiversal R. DX-PX	2204	MH
17510,0	0104	44444	HWI	KWHR Hawaii	E	Uiversal Radio, DX-ing	2204	MH
17535,0	1949	24333	ISR	KOL Israel	S	//11605, News by OM	2505	MH
17570,0	1644	23322	D	RTBF (RELAI)	F	Tape Rep. by OM	0806	MH
17590,0	1727	44333	BEL	R. Vlaanderen Inter	E	PX Brüssel 1043	2105	RL
17675,0	0322	35543	NZL	RNZI New Zealaland	E	PX: Letterbox	2505	RL
17680,0	0155	33333	???	L V Christiana	S	Inspirational MX, Talk	2904	MH
17680,0	1429	33333	CHL	La voz de Christiana	S	Spiritual MX, Prayer	2904	MH
17690,0	1216	24443	UZB	RVI (RELAIS)	G	Rep by OM,Talk o. .Moscow	2205	MH
17695,0	2216	24333	CAN	RCI Montreal	E	Talk by OM	2305	MH
17750,0	1712	55555	USA	WYFR	VN	//21455, Preaching	2405	MH
17775,0	1620	34433	USA	KVOH	S	Preaching by OM nonstop	2205	MH
17830,0	1257	24422	TUR	V o Türkei	E	Talk by OM, ID	0606	MH

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
17835,0	2216	24433	J	RCI (RELAIS)	E	//15305, 13670, 9755	2305	MH
17840,0	1624	44444	ATG	BBC WS (RELAI)	E	Talk about German	2405	MH
17845,0	2006	55555	USA	WYFR	E	Preaching about Jesus	2404	MH
17845,0	2006	55555	USA	WYFR	E	//17555, Preaching by Jesus	2404	MH
17865,0	1509	44333	???	RAI R. Austria Inter	E	Letter from austria	2005	RL
17895,0	1647	24422	MRC	V o A (RELAI)	E	//15410, Talk	2405	MH

With loggings from Asia and Japan

Frequ.	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
3214,8	1201	33333	INS	RRI Manado	VN	Jakarta News Relais	2805	JYJ
3344,8	1329	34444	INS	RRI Ternate	VN	Local Talk	0507	JYJ
3355,4	1255	33333	INS	RRI Jambi	VN	ID, //4925,0, Anns	0507	JYJ
3905,0	0952	33333	PNG	R. New Ireland	E	ID by Man, Dialog	2406	GIC
3976,1	1430	33333	INS	RRI Pontianak	VN	Wayang kulit Program	0306	JYJ
4606,3	1451	33333	INS	RRI Serui	VN	Love Songs, Talk	1106	JYJ
4735,5	1320	33333	INS	RRI Makassar	VN	Lokal Pop Songs	1106	JYJ
4753,4	1114	33333	INS	RRI Makassar	VN	ID, MX“Bagimu Negri“	0807	JYJ
4795,8	1205	34443	VTN	Son La Radio	VN	Talk by Woman,	0207	GIC
4874,5	1058		INS	RRI Sorong	VN	IS,TS, ID, lokal News	0907	JYJ
5020,0	1000	44433	OCE	Salom Island BC	E	News, ID, NA	2606	GIC
5040,0	1510	33333	INS	RRI Pekanbaru	VN	Jakarta News Relais	2305	JYJ
5595,9	1225	22321	VTN	Lai Cai Radio	VN	Acapella Mx	0207	GIC
6020,0	0910	44444	AUS	R. Australia	E	Hard Girls Rock Program	2406	GIC
6070,0	0920	34333	CUB	R. Habana	S	Talkj by Dialog	2406	GIC
6070,9	1245	34433	INS	RRI Jayapura	VN	Talk by YL	1106	JYJ
6153,7	1403	33333	INS	RRI Biak	VN	Phone in PX, Love Ambon	0507	JYJ
6797,6	1124	34332	PRU	R. Ondas del Rio Mayo	S	Peruan. Folkl MX	2706	GIC
9614,3	0305	33333	INS	RRI Samarinda	VN	News ending, Bagumi MX	0806	JYJ
9675,0	0900	43433	PNG	NBC Port Moreby	E	POP MX, Jingle, ID	2406	GIC
11760,0	1150	43433	INS	RRI Jakarta	VN	Spezial Live Program	0206	JYJ
11785,0	0920	33433	B	R. Guaiba	P	Non Stop MX	2506	GIC
11840,0	2000	44444	RUS	R. Sakhalin	VN	WX, „Vostock Express“	2606	GIC
15149,9	1745	33333	INS	V.o. Indonesia	S	News, ID, learn Indones.	2705	JYJ
17735,0	1300	25332	TUN	RTT Tunis	A	News , Arabic MX	2206	GIC

Thanks a lot for your contribution :

DC : Daniele Canonica, SWITZERLAND – JRC-535 + LW antenna and MLB.

GIC : Gaku Iwata, Chiba, Japan, FRG 7700/NRD 535D, AD 30, 20 m Lw. (JG2WFU/1)

GON : Gerard Overbosch, Nijkerk, Netherlands, Yaesu FRG 7700, 17 m. Lw.

HKN : Hans-Joachim Koch, Niddatal, FRG – AOR AR7030, 20m Lw, window antenna.

HGA: H.V. Gelder, Arnhem, Netherlands, NRD 525, 12,5 m., Lw. + Balun

JYJ: Juichi Yamada, Japan, Receiver and Antenna unknown

MH : Mark Humenyk, Weston, Ontario, CAN – Magnavox D2935 w/Alpha Delta DX-SWL sloper.

MBH : Michael Bethge, Bad Homburg, FRG, Receiver: JRC NRD-525 with 10 m long wire

RL : Richard Lemke, St Albert, Alberta, CAN – JRC NRD-535 HF w/random longwires.

ZL : Zacharias Liangas, Thessaloniki, GREECE – LOWE HF150, Sony ICF7600D, Yupiteru MVT7100





you can buy one). Pop the plastic case off and snip the wires from the toroid (it looks either like a tiny donut, or a pair of tiny donuts stuck together). The transformer windings should be made with thin wire: I use #32 magnet wire. The primary is 30 turns while the secondary is 10 turns. For a one-hole toroid, count each passage of the wire down through the hole as one turn. For a two-holer, each turn is a passage of the wire down through the right hole and up through the left.

Mount the transformer in an aluminum "minibox" with a "chassis mount" F connector for the coax cable and a "binding post" or other insulated terminal for the antenna. Ground one end of each winding to the aluminum box. Solder the ungrounded end of the primary to the antenna terminal, and solder the ungrounded end of the secondary to the center conductor of the coax connector.

Drive a ground stake into the earth where you want the base of your antenna to be (well away from the house). Mount the transformer box on the ground stake: its case should make good contact with the metal stake. Drive another ground stake into the earth near the place where you intend for the cable to enter the house. Mount a TV antenna "grounding block" (just a piece of metal with two F connectors on it) to the stake by the house. One easy way to attach hardware to the ground stakes is to use hose clamps.

Take a piece of 75 ohm coaxial cable with two F connectors on it (I use pre-made cable assemblies), connect one end to the transformer box, the other end to the grounding block. Bury the rest of the cable. Finally, attach a second piece of 75 ohm coax to the other connector on the grounding block and run it into the house. Use waterproof tape to seal the outdoor connector junctions.

Attach one end of your antenna to the antenna terminal on the transformer box and hoist the other end up a tree or other support(s) (don't use the house as a support: you want to keep the antenna away from the house). My antenna is 16 meters of #18 insulated wire in an "inverted L" configuration supported by two trees.

If your receiver has a coaxial input connector, you may need an adapter to make the connection; in any case, the center wire of the coaxial cable should attach to the "antenna" connection, and the outer shield should attach to the "ground" connection.

Multiple grounds and transformer coupling of the antenna should reduce the danger posed by lightning or other electrostatic discharge, but don't press your luck: disconnect the coax from the receiver when you're not using it.

## **How it works, in more detail:**

Coaxial cable carries waves in two modes: an "outer" or "common" mode, in which the current flows on the shield and the return current flows through the ground or other nearby conductors, and an "inner" or "differential" mode in which the current flows on the inner conductor and the return current flows on the shield. Theoretically, outside electromagnetic fields excite only the common mode. A properly designed receiver is sensitive only to the differential mode, so if household noise pickup is confined to the common mode, the receiver won't respond to it.

The "characteristic impedance" of the differential mode is the number you'll see in the catalog or on the cable: 75 ohms for TV antenna coax. The characteristic impedance of the common mode depends on the distance of the line from the conductor or conductors carrying the return current: it varies from tens of ohms for a cable on or under the ground to hundreds of ohms for a cable separated from other conductors.

A wire antenna can be approximately characterized as a single wire transmission line. A single wire line has only a common mode: for #18 wire 30 feet above ground, the characteristic impedance is about 620 ohms. For heights above a few feet the characteristic impedance depends very little on the height.

If the impedances of two directly coupled lines match, waves can move from one line to the other without reflection. In case of a mismatch, reflections will occur: the magnitude of the reflected wave increases as the ratio of the impedances moves away from 1. A large reflection, of course, implies a small transmission. Reflections can be avoided by coupling through a transformer whose turns ratio is the square root of the impedance ratio.

The basic difficulty with coupling a wire antenna to a coaxial line is that the antenna's characteristic impedance is a poor match to the differential mode of the line. Furthermore, unless the line is very close to the ground, the common mode of the line is a good match to the antenna. There is thus a tendency for the line to pick up common mode noise and deliver it efficiently to the antenna. The antenna can then deliver the noise back to the line's differential mode.

Some antenna systems exploit the mismatch between the antenna's characteristic impedance and the line's characteristic impedance to resonate the antenna. If the reflection at the antenna/line junction is in the correct phase, the reflection will add to the signal current in the antenna, boosting its efficiency. While this is desirable in many cases, it is undesirable for a shortwave listening antenna. Most shortwave receivers will overload on the signals presented by a resonant antenna, and resonance enhances the signal over a narrow range of frequencies at the expense of other frequencies. It's generally better to listen with an antenna system that is moderately efficient over a wide frequency range.

In my antenna system, grounding the shield of the line at the ground stakes short circuits the common mode. The stake at the base of the antenna gives the antenna current a path to ground (while the transformer directs the energy behind that current into the coax). Burying the cable prevents any common mode pickup outside the house, and also attenuates any common mode currents that escape the short circuits (soil is a very effective absorber of RF energy at close range). Common mode waves excited on the antenna by incoming signals pass, with little reflection, through the transformer into differential mode waves in the coax.

A major source of "power line buzz" is common mode RF currents from the AC line passed to the receiver through its AC power cord. These currents are normally bypassed to chassis ground inside the receiver. They thus flow out of the receiver via the ground terminal. With an unshielded antenna feedline and a wire ground, the ground wire is a part of the antenna system: these noise currents are thus picked up by the receiver. On the other hand, with a well grounded coaxial feed these currents make common mode waves on the coax that flow to ground without exciting the receiver.

## **Performance:**

A few years ago, I put up a conventional random wire antenna without a coaxial feed. I was disappointed that, while it increased signal levels over the whip antenna of my Sony ICF-2001, it increased the noise level almost as much. I then set up the antenna system described above; in my small yard, the base of the antenna was only 12 meters from the house. Nevertheless, the improvement was substantial: the noise level was greatly reduced. This past year I moved to a place with a roomier yard; with the base of the antenna now 28 meters away I can no longer identify any noise from the house.

The total improvement over the whip is dramatic. A few nights ago, as a test, I did a quick scan of the 60 meter band with the whip and with the external antenna system: with the whip I could only hear one broadcaster, unintelligibly faintly, plus a couple of utes and a noisy WWV signal. With the external antenna system I could hear about ten Central/South American domestic broadcast stations at listenable levels. WWV sounded like it was next door.

I have also tried the antenna system with other receivers ranging from 1930's consoles to a Sony ICF-SW55. I've seen basically similar results with all.

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## QSL CORNER

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Country	Station	QSL	Time	ORG	Remarks	OM
Algeria	RTA-Algerienne	C	84-223d	11.715		MH
Andaman Is.	AIR Port Blair	2C			Mr. A.K. Bhatnagar, cds in 1999.	DC
Anguilla	The Caribbean Beacon	C	126 d	11.775		MH
Armenia	Voice of Armenia	C	155 d	9.965		MH
Ascension	Radio Japan Relay	C	39 d	21.490	v/s, Y.Fushimi	MH
Ascension Is.	Radio Japan, relay	C	36d	15.400	v/s, Y.Fushima	MH
Asiatic Russia	Voice of Russia	C	44 d	9.875		MH
Australia	ABC Radio VL8A & VL8T	2C	20 d			DC
Australia	R. Australia	C	36 d	9.580		MH
Australia	R. Australia	C	79 d	5.955	v/s, D.Gord	MH
Australia	R. Australia	C	39-66d	5.995		MH
Australia	Radio Australia	C	46 d	9.580	v/s, D. Gord	MH
Austria	Radio Austria	L	50 d	9.870		MH
Austria	RAI	L	82 d	13.730		MH
Belarus	Radio Belarus	C	265d	9.560		MH
Belgium	RVI	C	121-127 d	9.925		MH
Belgium	RVI	C	72-74 d	9.925		MH
Belgium	RVI	C	38-44 d	9.925		MH
Belgium	RVI	C	44-64 d	13.785		MH
Belgium	RVI	C	45-57d	9.925		MH
Belgium	RVI	C	32-46d	9.590		MH
Belgium	RVI	C	29d	9.925		MH
Botswana	VOA, relay	C	32 d	5.980		MH
Brazil	R. Rio Mar	C	35 d	9.695	v/s, Jairo de Sousa Coelho	DC
Canada	CBA Moncton-NB.	C	18d	1070 AM	v/s, Marianne Murphy	MH
Canada	CFCO Chatham-ON.	L	43d	630 AM		MH
Canada	CHNX	C	59 d	6.130	v/s, Wayne S. Harvey	MH
Canada	Radio Japan, Relay	C	25d	6.110	v/s, K. Hishikawa.	MH
Canada	RKI-Relay site.	C	96d	11.715		MH
China	CRI	C	22 d	11.650		MH
Colombia	Emisora Ecos del Atrato	C	75 d	5.020	v/s, Absalon Palacios Agualimpia	DC
Costa Rica	RFPI	C	114d	6.980	v/s, James L. Latham	MH
Cuba	Radio Havana	C	220 d	13.680		MH
Cyprus	CYBC	C	93 d	6.180		MH
Czech.Republic	Radio Prague	C	24 d	7.345		MH
Ecuador	HCJB	C	125 d	15.115	v/s, Glen Volkhardt	MH
Ecuador	HCJB, via EDXP	C	26d	9.745	v/s, Bob Padula	MH
England	Radio Japan, Relay	C	37d	6.180	v/s, Y.Fushimi	MH
Ethiopia	Revelution of Tigray	L	66 d	5.500	v/s, Fre TesFamMichael	MH
Finland	R. Finland	C	88 d	11.735	v/s, Myittatiki	MH
Fr. Guiana	CRI	C	70 d	13.685		MH
France	RFI	C	150 d	9.790		MH
France	RFI	C	212d	15.155		MH
Georgia	Voice of Hope, Europe	C	39d	9.310		MH
Germany	Deutsche Welle	C			v/s, B.Klaumann	MH

Germany	Deutsche Welle	C			v/s, B.Klaumann	MH
Germany	DW	C	15 d		v/s, B. Klaumann	MH
Germany	DW	C			V/s, B.Kluamann	MH
Germany	HRT, relay	C	42 d	5.840		MH
Germany	R.Netherlands, relay	C	37 d	6.045		MH
Germany	RVI	C	29 d	11.685		MH
Germany	West Coast R. Relay	C	88 d	9.875		MH
Germany	West Coast R. Relay	C	174 d	11.665	v/s, Marle and Kay.	MH
Germany	West Coast R. Relay	C	187 d	11.665		MH
Germany	RVI	C	84 d	11.680		MH
Greece	VOA, relay	C	30 d	15.255		MH
Greece	VOA, relay	C	194 d	15.225		MH
Greece	Voice of Greece	C	110 d	9.375		MH
Hawaii	KWHR	C	85d	17.555		MH
Honduras	Radio Copan Int.	C	817 d	15.675		MH
Hungary	R. Budapest	C	24 d	6.075		MH
Hungary	Radio Budapest	C	134 d	11.905		MH
India	AIR Thiruvananthapuram	C		5.010	V/s, A.K. Bhatnagar	DC
Iran	IRIB	C	184 d	9.550		MH
Israel	Kol Israel	C	43-110 d	12.080		MH
Israel	KOL Israel	C	130d	9.365		MH
Israel	Kol Israel	C	56 d	15.650		MH
Israel	Kol Israel	C	44 d	15.650		MH
Israel	KOI Israel	C	48-225 d	7.465		MH
Israel	Kol Israel	C	72 d	7465		MH
Italy	Rai-Rome	C				MH
Italy	RAI-Rome	C				MH
Japan	R. Japan World NHK	C	20 d			MH
Japan	R.Japan NHK-World	C	24 d	13.650	v/s, Y.Fushimi	MH
Japan	Radio Japan	C	28d	9.535	v/s, Y.Fushimi	MH
Japan	Radio Japan	C	38d	9.535	v/s, Y.Fushimi	MH
Jordan	Radio Jordan	C	178 d	11.690	v/s, Jawad Zada Director.	MH
Jordan	Radio Jordan	C	114 d	11.690	v/s Jawad Zada	MH
Kuwait	Radio Kuwait	C	68 d	9.855		MH
Madagascar	RNI, Relay	C	54d	11.655		MH
Mali	CRI, relay	C	106 d	11.715		MH
Moldova	VOR, relay	C	66d	7.105		MH
N. Mariana Is.	KHBI	C	191 d	9.355		MH
Neth. Antilles	TWR	C	26 d	800 MW	V/s, Joana Bertards.	MH
Neth.Antilles	R.Netherlands Int.	C	45d	9.845		MH
Neth.Antilles	RVI, Relay	C	84d	9.555		MH
Netherlands	R. Netherlands	C	66 d	6.020	Card No. 603 of 750th edition	MH
New Zealand	RNZI	C	30 d	15.115		MH
New Zealand	RNZI	C	19d	17.675		MH
North Korea	R. Pyongyang	C	114 d	13.760		MH

### **Thanks to our Reporters:**

Mark Humenyk of Weston, Ontario, CANADA - Receiver: Magnavox D-2935

Daniele Canonica, Switzerland - RX: JRC NRD-535 with 30 meter of LW antenna and MLB

*(continued in DX MAGAZINE 8/9)*