

Shortwave Tips

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x	2310,0	2151-	AUS	27.08.09	Radio VL8A, Alice Springs	English	15231	CG-POR
x	2325,0	2152-	AUS	27.08.09	Radio VL8T, Tennant Creek	English	15231	CG-POR
	2379,9	1000-1030	B	23.08.09	Radio Educadora, Limeira	Portuguese		RLW-USA
x	2485,0	2152-	AUS	27.08.09	Radio VL8K, Katherine	English	15231	CG-POR
	3200,0	0402-0420	SWZ	03.09.09	TWR, Mpangela Ranch	German		RLW-USA
x	3204,9	0830-	PNG	24.08.09	Radio West Sepik, Vanimo			BJ-USA
x	3215,0	*1800-1815	AFS	02.09.09	AWR, Meyerton	English	24332	RS-D
x	3220,0	0826-1100	EQA	24.08.09	Radio HCJB, Pifo	Quechua		BJ-USA
	3230,0	1903-	AFS	28.08.09	Family Radio, Meyerton	English	25341	CG-POR
x	3240,0	0304-0320*	SWZ	12.08.09	TWR, Mpangela Ranch	English		BJ-USA
x	3250,0	0304-0354	HND	12.08.09	R Luz y Vida, Radio HRPC, San Luis	Spanish		BJ-USA
x	3255,0	0349-0406	AFS	03.09.09	BBC, Meyerton			RAD-USA
	3255,0	2209-2219	B	25.08.09	Radio Educadora 6 de Agosto, Xapuri, Acre	Portuguese	14331	CG-POR
x	3260,0	0830-	PNG	24.08.09	Radio Madang, Madang			BJ-USA
	3260,0	0923-1000		31.08.09	UNID			CB-USA
x	3279,8	*0909-	EQA	24.08.09	La Voz del Napo, Tena	Quechua		BJ-USA
x	3310,0	0125-0135	BOL	17.09.09	Radio Mosoj Chaski, Cochabamba	Quechua	22332	AP-DNK
x	3315,0	0830-	PNG	24.08.09	Radio Manus, Lorengau, Admiralty Islands			BJ-USA
	3325,0	1943-1957	INS	29.08.09	RRI Palangkaraya, Borneo	Indonesia	15321	CG-POR
	3325,0	0830-	PNG	24.08.09	Radio Bougainville, Buku, Buka Island			BJ-USA
x	3329,5	1000-1030	PRU	08.09.09	Radio Ondas del Huallaga, Huanuco			RLW-USA
	3335,0	0830-	PNG	24.08.09	Radio East Sepik, Wewak			BJ-USA
x	3340,0	0542-0556	HND	21.08.09	Radio Misiones Internacionales, HRMI, Comayagüela		15321	MAM-E
x	3345,0	*1800-1820	AFS	02.09.09	Channel Africa, Meyerton	English	33333	RS-D
	3345,0	0830-	PNG	24.08.09	Radio Northern, Popondetta			BJ-USA
x	3350,0	0515-0527	CTR	21.08.09	REE, Cariari de Pacoci	Spanish	25322	MAM-E
x	3365,0	0830-	PNG	24.08.09	Radio Milne Bay, Alotau			BJ-USA
	3375,3	1000-	B	08.08.09	Radio Municipal, Sao Gabriel da Cachoeira	Portuguese		RLW-USA
	3380,0	2147-2200*	AFS	06.08.09	BBC, Meyerton	Portuguese	34332	CG-POR
	3385,0	0830-	PNG	24.08.09	Radio Eastern New Britain, Rabaul			BJ-USA
x	3396,0	0411-	ZWE	21.08.09	Zimbabwe BC, Voice of Zimbabwe, Gweru			BJ-USA
	3900,8	2154-	PIR	08.08.09	Zender Sallandse Boer	Dutch	35321	CG-POR
	3910,0	2121-	PIR	16.08.09	Refection Europe	English	45433	CG-POR
	3915,0	2238-	SNG	19.08.09	BBC, Kranji	English		MDA-I
	3925,0	1051-1116	J	12.09.09	Nikkei BC	Japanese		RAD-USA
	3930,0	*1445-1830	IND	23.08.09	All India Radio, Gorakhpur	Hindi	35433	RS-D
	3945,0	1730-1745*	IND	23.08.09	All India Radio, Gorakhpur	Hindi	35333	RS-D
	3945,0	0030-0100*		09.09.09	UNID	Arabic	45444	AP-DNK
x	3995,0	2212-2220	INS	19.08.09	Radio Republik Indonesia, Kendari	Indonesia	25231	CG-POR
x	4319,0	2217-2224	DGA	28.08.09	AFRTS, Diego Garcia	English	33332	CG-POR
x	4366,0	*0426-0435	CLA	10.09.09	Voice of Revolution	Kurdish	42342	
x	4374,0	1600-1657	ALB	08.09.09	China Radio International (harmonic)	Bulgarian	35353	RP-BUL
x	4451,1	1040-	BOL	23.08.09	Radio Santa Ana, Santa Ana de Yacuma, Beni	Spanish		RLW-USA
x	4699,3	1010-1030	BOL	14.09.09	Radio San Miguel, Riberalta			CB-USA
x	4716,7	*0958-	BOL	13.09.09	Radio Yura, San Antonio de Quijarro			BJ-USA
	4716,7	1030-	BOL	06.08.09	Radio Yatun Ayllu Yura, Yura	Spanish		RLW-USA
	4730,0	0000-	DOM	21.08.09	Radio Discovery, Punta Cana			BJ-USA

x	4740,0	*0222-	CLA	10.08.09	Sudan Radio Peace (t)				BJ-USA
	4746,9	*1003-	PRU	13.09.09	Radio Huanta 2000, Huanta				BJ-USA
	4750,0	0005-0015	BGD	07.09.09	Radio Bangladesh, Bangladesh	Bangla	45333		RP-BUL
	4750,0	2040-2045	CHN	06.09.09	Voice of China, Nanning	Chinese	25332		
x	4750,0	1051-1105	INS	28.08.09	Radio Republik Indonesia, Makassar	Bahasa Indonesia			CB-USA
x	4750,0	1835-1902*	UGA	09.09.09	Radio Dunamys, Mukono	F+ Vernacular	25342		RP-BUL
x	4760,0	2250-0015	IND	17.09.09	AIR Port Blair, Andaman & Nicobar .	BM	25232		AP-DNK
					Isl				
x	4760,0	0135-0145	IND	06.09.09	All India Radio, Leh (t)	Vernacular	25122		AP-DNK
	4770,0	*0428-	NIG	13.09.09	FRCN, Kaduna	English			BJ-USA
	4775,0	0342-	SWZ	13.09.09	Trans World Radio, Mpangela Range	Vernacular			BJ-USA
	4780,0	*0400-	DJI	13.09.09	Radio Djibouti, Doraleh	French			BJ-USA
	4781,6	2330-	BOL	21.08.09	Radio Tacana, Tumupasa				RLW-USA
x	4790,1	0135-0145	PRU	17.09.09	Radio Vision, Distrito Jose, Chicayo	Spanish	25222		AP-DNK
x	4793,9	0225-0235	CLA	05.09.09	Voice of Iranian Kurdistan, Al-Sulaymaniyah (t)	Kurdish	23332		AP-DNK
	4796,0	0255-0310	CLA	08.08.09	Voice of Iranian Kurdistan, Al-Sulaymaniyah	Kurdish (t)	14231		AP-DNK
	4796,4	2220-2228	BOL	30.08.09	Radio Lipez, Uyuni	Spanish	25331		CG-POR
	4800,0	0450-0514	MEX	12.09.09	XERTA - Radio Transcontinental de America, Cd. De Mejico	Spanish			RAD-USA
x	4805,0	0955-1000	B	03.09.09	Radio Difusora do Amazonas, Manaus	Portuguese			RLW-USA
x	4810,0	1750-1800	ARM	25.08.09	Pro Armenia, Gavar	Armenian	35343		RP-BUL
	4810,0	*2255-0030	IND	17.09.09	All India Radio, Bhopal	Urdu (t)	45343		AP-DNK
x	4820,0	2240-2359	IND	19.09.09	All India Radio, Kolkotha	BM	32332		AP-DNK
	4825,5	0950-1000	PRU	31.08.09	La Voz de la Selva, Iquitos				CB-USA
	4828,0	0330-	ZWE	13.09.09	ZBC, Gweru	English			BJ-USA
x	4830,0	1450-1501*	MNG	10.09.09	Mongolia National Radio, Altai	Mongolian	32322		RP-BUL
	4835,0	0833-	AUS	09.09.09	Radio VL8A, Alice Springs	English			RLW-USA
	4835,0	*2228-2355	IND	17.09.09	AIR Gangtok, Sikkim	Hindi	25232		AP-DNK
x	4835,4	0235-0245	PRU	05.09.09	R La Voz de Marañon, Cajabamba	Spanish	15111		AP-DNK
x	4835,4	1103-1115	PRU	19.08.09	Radio Maranon, Jaen	Spanish			CB-USA
	4845,2	0145-0155	B	17.09.09	R Cultura Ondas Tropicais, Manaus	Portuguese	24332		AP-DNK
	4850,0	1301-1410	IND	14.08.09	All India Radio, Kohimar	English			GJ-D
	4857,4	2330-	PRU	02.09.09	Radio La Hora, Cusco	Spanish			RLW-USA
N	4860,0	1040-	B	13.09.09	Radio Red Boa Vontade (t)	Portuguese	25332		ALS-ARG
	4865,0	1755-1855	AFS	24.08.09	Zimbabwe Community Radio, Meyerton	English + Vernacular			II-BUL
	4865,0	0440-1010	B	10.09.09	Radio Alvorada, Londrina	Portuguese	45232		RP-BUL
x	4865,0	2209-2217	BOL	30.08.09	Radio Logos, Santa Cruz de la Sierra	Spanish	33331		CG-POR
x	4880,0	1852-1856	AFS	09.09.09	SW Radio Africa, Meyerton	English	35333		BM-F
	4880,0	2258-2359	IND	17.09.09	AIR Lucknow, Uttar Pradesh	BM	35343		AP-DNK
	4885,0	0155-0210	B	17.09.09	Radio Clube do Para, Belem	Portuguese	34343		AP-DNK
	4888,1	2350-0015		26.08.09	UNID	Spanish			CB-USA
	4895,0	2350-	B	07.08.09	Radio IPB Novo Tempo, Campo Grande, MS (t)	Portuguese			RLW-USA
	4895,0	2350-2359	IND	17.09.09	All India Radio, Kurseong	BM	34433		AP-DNK
	4895,0	2220-	MNG	08.08.09	Mongolian National Radio, Murum				MDA-I
	4905,0	2238-2247	B	21.08.09	Radio Anhanguera, Araguaina	Portuguese	23341		CG-POR
	4910,0	2153-2214	AUS	19.08.09	Radio VL8T, Tennant Creek	English	34321		CG-POR
x	4910,0	2300-2359	IND	19.09.09	All India Radio, Jaipur, Rajasthan	Sanskrit	35343		AP-DNK
	4915,0	2055-2114	B	07.08.09	Radio Daqui, Goiânia	Portuguese	43342		CG-POR
	4920,0	0035-0055	IND	15.08.09	All India Radio, Chennai	English			AP-DNK
x	4925,0	2005-2035	INS	05.09.09	Radio Republik Indonesia, Jambi	Indonesia	15121		AP-DNK
	4925,2	1010-1025	B	20.09.09	Radio Educação Rual, Tefe				CB-USA
	4940,0	*2227-2359	IND	17.09.09	All India Radio, Guwahati	BM	35433		AP-DNK
	4940,0	2239-2250	PRU	21.08.09	Radio San Antonio, Villa Atalaya	Spanish	35332		CG-POR
	4949,8	0330-	AGL	13.09.09	Radio Nacional de Angola, Mulenvos (t)				BJ-USA
x	4950,0	2305-0040	IND	17.08.09	AIR Srinagar - Kashmir	BM	34333		AP-DNK
	4950,0	2201-2211	PRU	30.08.09	Radio Madre de Dios, Pt. Maldonado	Spanish	15331		CG-POR
x	4955,0	2240-2254	PRU	21.08.09	Radio Cultural Amauta, Huanta	Quechua	35332		CG-POR
x	4960,0	*0300-	STP	30.08.09	Radio Sawa, Pinheira	Arabic	4		GBD-I

x	4960,0	*0258-0335	STP	02.09.09	Voice of America, Pinheira	English		RAD-USA
x	4965,0	2245-2253	B	21.08.09	Radio Alvorda, Parintins	Portuguese	23331	CG-POR
	4965,0	0330-	ZMB	13.09.09	Radio Christian Voice, Lusaka	English		CB-USA
x	4970,0	1230-1315	IND	08.08.09	All India Radio, Shillong	English		RHW-USA
	4976,0	0330-	UGA	13.09.09	Radio Uganda, Kampala			BJ-USA
	4985,0	0930-0950	B	05.09.09	R Brasil Central, ZYF690, Goiânia	Portuguese		RLW-USA
x	5005,0	2206-2219	GNE	31.08.09	Radio Nacional de Guinea Ecuatorial, Bata	Spanish	55333	CG-POR
x	5010,0	0330-	MDG	13.09.09	Radio Nationale Malagasy, Antananarivo	Vernacular		BJ-USA
	5025,0	2151-2211	AUS	19.08.09	Radio VL8K, Katherine	English	34322	CG-POR
x	5025,0	0208-	CUB	11.09.09	Radio Rebelte, Bauta	Spanish	4	BF-S
	5030,0	1037-1045	CHN	18.08.09	CNR 1, Beijing (t)	Chinese		CB-USA
x	5035,0	0905-0920	B	31.08.09	Radio Aparecida, Aparecida	Portuguese		CB-USA
x N	5050,0	2310-2320	CHN	17.09.09	Beibu Bay Radio	Chinese	25232	AP-DNK
x	5066,3	*0359-	COD	13.09.09	Radio Tele CANDIP, Bunia			BJ-USA
	5446,5	2214-2225	USA	28.08.09	AFRTS, Boca-Chica, Florida	English	25331	CG-POR
	5460,1	1030-1045	PRU	03.09.09	Radio Emisora Bolivar, La Libertad			RLW-USA
x	5580,2	2330-0100	BOL	03.09.09	Radio San Jose , San Jose de Chiquitos			RLW-USA
	5765,0	1020-	GUM	09.08.09	AFRTS, Barrigada, Guam, USB	English		RLW-USA
x	5910,0	2145-2203	CLM	24.08.09	Radio Marfil Estereo, Lomalinda	Spanish	44433	CG-POR
	5915,0	2133-2202*	ZMB	20.08.09	Zambia Broadcasting Corporation	Vernacular	33432	CG-POR
	5920,0	0929-0940	RUS	26.08.09	Radio Rossii,	Russian		CB-USA
x	5925,0	2300-	VTN	19.08.09	Vietnam National Network 2, Xuan Mai	Vernacular		MDA-I
	5940,0	0934-0945	RUS	26.08.09	Radio Rossii, Arman	Russian		CB-USA
	5940,0	2150-	ZMB	22.08.09	ZNBC Lusaka	English	5	MDA-I
	5950,0	0259-	CLA	08.08.09	Voice of Tigray Revolution, Addis Abeba	Tigrinya	35333	AP-DNK
x	5952,5	0118-0130	BOL	17.09.09	Radio Pio XII, Siglo Veinte	Spanish		CB-USA
x	5965,0	0255-	CUB	12.08.09	Radio Habana Cuba, Quivica	Spanish	4	MDA-I
x	5975,0	2300-2320	VTN	31.08.09	Voice of Vietnam, Son Tai	Vietnamese	25432	RS-D
	5980,0	0925-1300	FNL	05.09.09	Scandinavian Weekend Radio, Virrat	Finnish	15111	AP-DNK
	5990,0	*0915-	B	06.08.09	Radio Senado de la Nacion, Brasilia	Portuguese		BJ-USA
	5995,0	0758*	AUS	17.08.09	Radio Australia, Brandon	English		BJ-USA
	5995,0	0556-0800*	MLI	23.08.09	RDTV Malienne, Bamako			BJ-USA
	6000,0	0020-0037	BUL	31.08.09	Radio Varna, Varna	Bulgarian	5	GBD-I
x	6000,0	0440-0455	CUB	08.09.09	Radio Habana Cuba	English	43333	KBJ-DNK
	6005,0	1440-1500	D	21.08.09	Radio 700, Kall-Krekel, Euskirchen	German	35343	AP-DNK
	6009,9	2147-2207	B	24.08.09	Radio Inconfidencia, Belo Horizonte	Portuguese	34432	CG-POR
	6010,0	2210-2235	BHR	10.09.09	Radio Bahrein, Ras Hayan	English	43543	RP-BUL
x	6019,4	0835-0859	PRU	10.09.09	Radio Victoria, Lima	Spanish		CB-USA
x	6020,0	0908-0929	AUS	18.08.09	Radio Australia, Shepperton	Pidgin	33432	CG-POR
x	6020,0	2300-	VTN	19.08.09	Voice of Vietnam 4, Daclac	Vernacular		MDA-I
	6030,0	1600-1745	ETH	20.08.09	Radio Oromiya, Geja Dera	Oromo	35433	RS-D
	6035,0	1300-1400	CHN	17.08.09	Yunnan BS, Kunming	Chinese		RHW-USA
x	6045,0	0522-	CAN	19.09.09	Voice of Vietnam, Sakville	Vietnamese		GH-USA
x	6050,0	0153-0208	EQA	12.09.09	Radio HCJB, Pifo	Spanish	22432	GH-USA
x	6055,0	1720-1750	RRW	21.08.09	Radio Rwanda, Kigali	Vernacular	24332	RS-D
	6060,0	2350-	ARG	12.09.09	RAE, General Pacheco	Spanish		GBD-I
x	6065,0	0314-0330*	D	21.08.09	AWR, Wertachtal	Tigrinya		RAD-USA
x	6070,0	1218-1249	CAN	12.09.09	Radio CFRX, Toronto	English		GH-USA
x	6075,0	1020-1030	BOL	15.09.09	Radio Kawasachun, Coka, Lauka	Spanish		CB-USA
x	6085,0	2213-2224	RUS	27.08.09	Radio Rossii, Krasnoyarsk	Russian	34422	CG-POR
	6089,9	2243-2319*	NIG	04.09.09	Radio Nigeria, Kaduna	Hausa		BJ-USA
	6090,0	0558-	AIA	20.09.09	Caribbean Beacon-St. John´s	English		GH-USA
x	6090,0	0405-0426*	AUT	12.09.09	AWR, Moosbrunn	Farsi		RAD-USA
	6090,0	0250-0310	B	08.09.09	Radio Bandeirantes, Sao Paulo	Portuguese		RAD-USA
	6090,0	0302-	ETH	30.08.09	Amhara State Radio	Amharic		GBD-I
x	6110,0	0305-	ETH	30.08.09	Radio Fana		4	GBD-I
	6110,0	0244-0258*	LTU	09.08.09	KBC Radio, Sitkunai	English		RAD-USA
	6130,0	1630-1632*	SWZ	21.08.09	TWR, Múpangela Ranch	English	22332	RS-D
x	6130,0	*1630-1700*	CHN	22.08.09	Xizang PBS, Lhasa, Tibet	English	45433	RS-D

	6134,8	1001-1020	BOL	14.09.09	Radio Santa Cruz, Santa Cruz	Spanish		CB-USA
	6135,0	0307-	AFS	30.08.09	Channel Africa, Meyerton	English		GBD-I
	6135,0	0930-1005	B	29.08.09	Radio Aparecida, Aparecida	Portuguese	25442	CG-POR
	6140,0	0524-	CUB	19.09.09	Radio Habana Cuba	Spanish		GH-USA
x	6140,0	0910-0930*	D	16.08.09	European Music Radio, Wertachtal	English	55544	AP-DNK
x	6140,0	*0900-1000*	D	06.09.09	MV Baltic Radio, Wertachtal	English	55544	AP-DNK
x	6140,0	0905-0920	D	23.08.09	R Gloria International, Wertachtal	English	55555	AP-DNK
x	6150,0	2143-2203	B	07.08.09	Radio Record, Sao Paulo	Portuguese	33442	CG-POR
	6155,0	1100-1114	CHN	14.08.09	China National Radio 2	Chinese		CB-USA
	6155,0	0900-1000	KOR	26.08.09	Radio Korea International	Japanese		CB-USA
x	6155,2	1030-1100	BOL	19.09.09	Radio Fides, La Paz	Quechua		CB-USA
x	6160,0	2120-2125	CAN	02.09.09	Radio CKZN, St. Johns	English		RAD-USA
x	6165,0	2230-2245	VTN	31.08.09	R Dai Tieng Noi Huong, Xuam Mai	H Mong	34332	RS-D
x	6165,0	2115-2157	ZMB	20.08.09	ZNBC Lusaka	English	35333	CG-POR
	6170,0	*0258-	ETH	23.08.09	Voice of the Revolution of Tigray, Mmekele	Tigray		BJ-USA
	6170,0	0920-0935	NZL	26.08.09	Radio New Zealand International, Rangitaiki	English		CB-USA
	6185,0	0850-	B	19.08.09	Radio Nacional da Amazonia, Brasilia	Portuguese		BJ-USA
x	6185,0	1015-	MEX	19.08.09	Radio Educacion, Mexico City	Spanish		BJ-USA
	6220,0	0932-1443	PIR	23.08.09	Mystery Radio	Italian	35443	CG-POR
	6250,0	1538-1651	GNE	22.08.09	Radio Nacional, Malabo	Vernacular	25242	CG-POR
	6295,0	v 2122-	PIR	16.08.09	Reflections Europe	English	44444	CG-POR
	6300,0	0555-	CLA	23.08.09	National Radio of the Saharan Arab Democratic Republic	Arabic		BJ-USA
x	6325,0	1754-	PIR	15.08.09	Radio Lowland	English	34332	CG-POR
x	6398,8	2129-2145	KRE	16.08.09	KCBS, Kanggye	Korean	34433	CG-POR
x	6600,0	1755-1758	KOR	23.08.09	Voice of the People, Gimpo	Korean	23332	BM-F
	6870,0	0920-1440	PIR	08.08.09	Radio Playback International	English	25432	CG-POR
x	6925,0	0308-0336*	PIR	30.08.09	Outhouse Radio	English		RAD-USA
x	6925,0	0303-0314*	PIR	08.09.09	Radio Ga-Ga	English		RAD-USA
x	6925,0	0214-0216	PIR	30.08.09	Radio KUSA	English		RAD-USA
x	6925,0	0249-0306*	PIR	10.09.09	Radio WEAK	English		zahal
	6925,0	0357-0402	PIR	30.08.09	The Voice of Kaos	English		RAD-USA
	6925,0	0140-	PIR	23.08.09	Wolverine Radio			BJ-USA
x	6934,8	0058-	PIR	23.08.09	Radio Appalachia			BJ-USA
	6973,0	0112-0135	ISR	02.09.09	Galei Zahal, Lod	Hebrew		RAD-USA
	7100,0	1902-1920	KRE	11.08.09	Voice of Korea, Kujang	English	25432	RS-D
x	7105,0	2210-	CHN	27.08.09	Nei Menggu PBS, Hohot (t)	Mandarin	54444	CG-POR
	7105,0	0455-	MDG	23.08.09	RTV Malagasy, Antananarivo			BJ-USA
	7110,0	0310-	ETH	30.08.09	Radio Ethiopia, Gedja Dera			GBD-I
	7120,0	v 1815-1940	TCD	17.09.09	Rdif. Nat. Tchadienne, Grevia	Arabic + French	24333	AP-DNK
	7125,0	0624-0725	GUI	23.08.09	Radio Guinea, Sonfonya			BJ-USA
	7125,0	1900-1915		25.08.09	UNID	French	25342	RP-BUL
x	7130,0	2352-	MLA	20.08.09	RTM Kuching, Sarawak	Vernacular		MDA-I
	7140,0	0934-0947	KRE	06.08.09	Voice of Korea	Korean	25432	CG-POR
	7145,1	1858-	SOM	30.08.09	Radio Hargeisa, Somaliland			GBD-I
	7165,0	1504-1619	CLA	31.08.09	Voice of Peace and Democracy of Eritrea, Geja Jewe	Arabic	25342	CG-POR
	7165,0	0408-	ERT	23.08.09	Voice of the Broad Masses of Eritrea, Asmara			BJ-USA
x	7165,0	*1800-1805	ETH	01.09.09	Voice of Ethiopia, Gedja	Tigrinya	34333	PR-AUT
x	7175,0	1701-1729*	CLA	01.09.09	Radio Freedom, Asmara	Somali		PR-AUT
x	7175,0	1506-1601	ERT	31.08.09	Voice of the Broad Masses of Eritrea, Asmara	Amharic	25332	CG-POR
x	7180,0	2203-	KRE	06.08.09	Voice of Korea	Mandarin	35332	CG-POR
	7195,0	*0601-	UGA	23.08.09	Radio Uganda, Kampala (t)			BJ-USA
x	7200,0	1115-1135	RUS	29.08.09	NVK Radio Sakka (t)	Russian		CB-USA
x	7200,0	*0236-	SDN	23.08.09	SNBC, Al-Aitahab	Arabic		BJ-USA
x	7216,8	2320-	AGL	22.08.09	Radio Nacional de Angola 2, Mulenvos			BJ-USA
	7220,0	1304-1358	CAF	20.08.09	Radio Diff. Centrafricaine, Bangui	French	15431	CG-POR
x	7255,0	2215-2300	NIG	18.09.09	Voice of Nigeria, Ikorodu	French		CB-USA
x	7255,0	2215-2300	NIG	18.09.09	Voice of Nigeria, Ikorodu	Ghausa		CB-USA

x	7285,8	*0658-	MLI	23.08.09	RTV Malienne, Kati				BJ-USA
x	7295,0	0002-	MLA	21.08.09	TraXX FM, Kajang	English			MDA-I
x	7320,0	0955-1005	RUS	23.08.09	Radio Rossii	Russian			CB-USA
	7350,0	1420-	CHN	22.08.09	Xizang PBS, Lhasa, Tibet	Tibetan			RHW-USA
	7375,0	*2200-2230*	CRV	18.09.09	Vouice of Croatia	English			CB-USA
x	7435,0	1000-1030	VTN	17.09.09	Voice of Vietnam (t)				CB-USA
x	7540,0	0226-0315	EGY	27.08.09	Radio Cairo	English			RAD-USA
x	7811,0	2215-2235	USA	28.08.09	AFN, Key West (USB)	English	45343		CG-POR
	7935,0	1650-1655	CHN	23.08.09	China National Radio 8, Lingshi	Mongolian	45444		BM-F
	8400,0	1245-	CHN	20.09.09	Firedrake				GH-USA
	9000,0	1245-	CHN	20.09.09	Firedrake				GH-USA
x	9330,0	1900-	USA	18.09.09	Radio WBCQ	English			GH-USA
	9475,0	1603-1610	AUS	16.08.09	Radio Australia, Shepperton	English	23432		CG-POR
x	9500,0	2133-	AUS	22.08.09	Radio Austalia, Shepperton	English			MDA-I
x	9504,9	1008-1020	B	25.08.09	Radio Record, Sao Paulo	Portuguese	14321		MAM-E
	9524,9	1057-1105	INS	11.09.09	Radio Republik Indonesia	English			CB-USA
	9535,0	0800-0810*	GEO	25.08.09	Radio Respubliki Abkhazii, Sukhumi	Russian	35333		RP-BUL
x	9540,0	1025-1040	TWN	29.08.09	Xi Wang Zhi Shi (t)	Chinese			CB-USA
x	9540,0	1038-1045		29.08.09	UNID	Chinese			CB-USA
	9560,0	1532-1600	ETH	16.08.09	Voice of Ethiopia, Gedja	Vernacular	44433		CG-POR
x	9565,0	2033-2035	B	02.09.09	Super Radio Deus e Amor	Portuguese	23222		BM-F
	9585,0	1352-	CLA	25.08.09	Furusato no Kaze, TWN	Japanese			GH-USA
	9615,0	1050-1105	PHL	29.08.09	Radio Veritas Asia, Palauig	Chinese			CB-USA
	9635,0	1257-1435	MLI	07.08.09	Radio Mali, Bamako		55444		CG-POR
	9635,0	1000-1030	VTN	17.09.09	Voice of Vietnam (t)				CB-USA
	9650,0	1342-1403	AFS	29.08.09	Radio Sonder Grense, Meyerton	Afrikans	34433		CG-POR
x	9650,0	1900-1930	MRC	23.08.09	Radio Sawa	Arabic	55544		RP-BUL
	9665,0	1422-1430	B	07.08.09	Radio Marumby, Florianapolis	Portuguese	14341		CG-POR
x	9665,0	1435-1455	B	08.08.09	Super Radio Deus e Amor, Parana	Portuguese	24442		CG-POR
	9665,0	1530-1600*	MNG	25.08.09	Voice of Mongolia	English	32542		RP-BUL
	9670,0	1103-1115		29.08.09	CVC International	Bahasa Indonesia			CB-USA
N	9675,0	*1755-1815	ARS	14.09.09	BSKSA	Turkish	55544		RP-BUL
	9680,0	1048-1133	INS	11.09.09	R Republik Indonesia. Cimanggis	Bahasa Indonesia			CB-USA
	9690,0	1400-1420	NIG	21.08.09	Voice of Nigeria, Ikorodu	English	35333		RS-D
x	9695,0	1002-1012	B	25.08.09	Radio Rio Mar, Manaus	Portuguese	24322		MAM-E
	9704,0	1430-1458	ETH	08.09.09	Radio Ethiopia, Gedja Jewe	English	53533		RP-BUL
x	9705,0	2008-	NGR	02.09.09	La Voz du Sahel, Niamey				GBD-I
	9720,0	0704-0715	PRU	15.08.09	Radio Victoria, Lima	P + Spanish	24322		MAM-E
	9780,0	0104-0123	CLN	28.08.09	Voice of America, Iranawila	English			RAD-USA
x	9819,7	1250-1325	B	07.08.09	Radio Nove deJulho, Sao Paulo	Portuguese	15431		CG-POR
x	9820,0	2300-2308	CHN	30.08.09	Beibu Bay Radio	Chinese	24432		ALS-ARG
x	9835,0	*1230-1259	THA	07.09.09	Radio Thailand, Udon Thani	English	33433		RP-BUL
	9885,0	*0100-0115	D	09.09.09	Radio Free Asia, Wertachtal	Tibetan	24333		AP-DNK
	9955,0	2322-2345	USA	20.08.09	World Radio Network via WRMI	English			RAD-USA
x	9970,0	0801-0826	BEL	30.08.09	RTBF, Wavre	French			NK-J
x	10000,0	2245-	B	12.09.09	Observatorio Naval				GH-USA
x	10320,0	0136-0202	HWA	02.09.09	AFRTS, Lualualei, AFN Network, Pearl Harbor, USB!	English			RAD-USA
x	11560,0	1242-1250	TWN	06.09.09	Radio Free Chosun, Dushanbe-Orzu	Korean	34433		ALS-ARG
	11690,0	1101-1125	EQA	25.08.09	Radio HCJB, Pifo	Spanish	23322		MAM-E
	11695,0	2153-2209	AUS	31.08.09	Radio Australia, Shepperton	English	25322		CG-POR
	11710,7	0308-0331	ARG	19.08.09	RAE, General Pacheco	French			RAD-USA
	11715,0	1553-1600*	USA	12.09.09	Radio KJES, Vado - NM	Spanish			RAD-USA
	11720,0	0925-1200	FNL	05.09.09	Skandinavian Weekend Radio, Virrat	Finnish	15111		AP-DNK
	11720,0	1500-	GUM	21.08.09	Radio KTWR, Merizo	English			MDA-I
x	11720,0	1800-	PHL	19.08.09	Radio Philipinas, Tinang	Tagalog			MDA-I
	11725,0	1029-1047	B	25.08.09	Radio Novas do Paz, Curitiba	Portuguese	24322		MAM-E
	11725,0	2015-2050*	NZL	11.08.09	Radio New Zealand International, Rangitaiki	English	34432		CG-POR
	11730,0	1500-	AUS	21.08.09	CVC International, Darwin	English			MDA-I
	11730,0	1602-1633	CLA	12.09.09	Cheetah Radio (t), Wertachtal	English			RAD-USA
	11735,0	1025-1045	B	25.08.09	Radio Transmundial, Santa Maria	Portuguese	34333		MAM-E

	11735,0	1946-2007	TZA	06.08.09	Radio Tanzania, Dole, Zanzibar	Swahili	44433	CG-POR
x	11760,0	1615-1630*	D	11.08.09	Voice of Oromia Liberation Front, Juelich	Oromo	25332	RS-D
x	11765,0	0835-0845	ALS	08.09.09	Radio KNLS, Anchor Point	Chinese (t)	15321	BM-F
x	11775,0	2017-2020	ATA	02.09.09	University Network, The Vally	English	33333	BM-F
	11780,0	2114-2153	B	31.08.09	Radio Nacional da Amazonia	Portuguese	44433	CG-POR
	11785,0	1130-1205	CHN	11.09.09	China Radio International (t)	Chinese		CB-USA
	11785,0	1302-1306	CLA	06.09.09	Hmong Lao Radio, via WHRI	Lao	22432	ALS-ARG
	11785,0	1130-1205	THA	11.09.09	Voice of America, Udorn	English		CB-USA
	11815,0	2023-2025	B	02.09.09	ZYE 440, Radio Brazil Central, Goiânia	Portuguese		BM-F
	11840,0	2201-2230	AUS	28.08.09	Radio Australia, Darwin	English	55544	CG-POR
	11855,0	2025-2027	B	02.09.09	Radio Aparecida, Aparecida	Portuguese	33343	BM-F
	11895,0	1954-2012	B	06.08.09	Radio Boa Vontade, Porto Alegre	Portuguese	15431	CG-POR
	11915,0	1025-1029	B	25.08.09	Radio Gaucha, Porto Alegre	Portuguese	13211	MAM-E
	11925,0	2027-2029	B	02.09.09	Radio Bandeirantes, Sao Paulo	Portuguese	33343	BM-F
	11945,0	0755-	AUS	17.09.09	Radio Australia, Shepperton	English		WB-D
x	12133,5	2211-2241	USA	28.08.09	AFN, Key West (USB)	English	35444	CG-POR
x	12295,0	2125-	PIR	16.08.09	Reflections Europe	English	35433	CG-POR
x	13610,0	1043-1045	CHN	01.09.09	Voice of China, Nanning	Chinese	33333	BM-F
	13730,0	1600-1705	CLA	26.08.09	Radio Dabanga, Talanta-Volonddry	Arabic	44433	RS-D
x	13730,0	*1530-1550	CLA	28.08.09	Radio Dabanga, Wertachtal	Arabic		NK-J
x	13760,0	2050-	CUB	18.09.09	Radio Habana Cuba	Spanish		GH-USA
	15120,0	2042-	NIG	18.09.09	Voice of Nigeria, Ikorodu	English		GH-USA
x	15180,0	*10011056*	KRE	07.09.09	Voice of Korea, Kujang	English	25542	RP-BUL
x	15190,0	2044-	GNE	18.09.09	Radio Africa, Malabo	English		GH-USA
x	15275,0	*0000-0029*	THA	22.08.09	Radio Thailand, Udon Thani	English		RAD-USA
x	15330,0	1110-1145*	PHL	11.08.09	FEBC, Bocaue	Vernacular	25332	RS-D
	15340,0	1221-1541*	MRC	27.08.09	RTM, Nador	Arabic		BJ-USA
	15344,0	1648-	ARG	17.08.09	RAE, General Pacheco	Spanish		GH-USA
x	15360,0	1800-	G	27.08.09	R Korea International, Rampisham	Russian		BJ-USA
x	15380,0	1221-1359*	ARS	27.08.09	BSKSA	Arabic		BJ-USA
x	15390,0	0800-0805	CHN	15.08.09	China National Radio, Chinese	Vernacular	35343	BM-F
x	15450,0	1150-1157*	PHL	11.08.09	Radio Veritas Asia	Bamar	35433	RS-D
x	15450,0	1227-1324	TUR	27.08.09	TRT, Voice of Turkey, Emirler	English		BJ-USA
x	15460,0	1400-	D	27.08.09	Radio Liberty, Biblis	Georgian		BJ-USA
	15476,0	1902-	ATA	18.09.09	LRA 36, Radio Nacional Arcangel San Gabriel, Base Esperanza	Spanish		GH-USA
	15495,0	1756-	KWT	27.08.09	Radio Kuwait, Kabd	Arabic		BJ-USA
x	15530,0	1300-1458	D	27.08.09	Voice of America, Lampertheim	English		BJ-USA
x	15535,0	*1759-	D	27.08.09	Radio Nederland, Wertachtal	English		BJ-USA
x	15540,0	0905-0908	CHN	09.09.09	China Business Radio, Xi ´an	Chinese	45444	BM-F
x	15555,0	0750-0800	AUS	15.08.09	CVC International, Darwin	English	45444	BM-F
x	15560,0	1356-1425	POR	23.08.09	RdP Internacional	Portuguese		RAD-USA
	15580,0	1530-	BOT	27.08.09	Voice of America, Moepeng Hill	English		BJ-USA
x	15650,0	*1500-1530	SVK	13.09.09	Miraya FM, Rimavska Sobota	English		RAD-USA
	15665,0	1927-	CLA	14.08.09	Voice of Biafra International, via WHRA, Greenbush	English		GH-USA
x	15790,0	1711-1720	CLA	06.09.09	Darfur Salaam, Zygi, CYP	Arabic	34433	ALS-ARG
	17505,0	1410-1500	AFS	06.09.09	RTE, Meyerton	English	25343	AP-DNK
	17520,0	1859-	USA	18.09.09	Radio WHRI			GH-USA
	17580,0	0923-0927	CHN	09.09.09	CNR-1, Voice of China, Lingshi	Chinese	35333	BM-F
	17585,0	1711-	CLA	06.09.09	Darfur Salaam, Zygi, CYP	Arabic	34333	ALS-ARG
	17820,0	0815-	AUS	17.09.09	CVC, Darwin	Indonesian (t)	3	WB-D

New DRM receiver

RNZI Frequency Manager Adrian Sainsbury informs in the Jul 27 edition of RNZI mailbox program that Uniwave Di-wave 100 DRM receiver is expected for European launch by 2nd week of Sept'09 and the early production run will cost approx. USD 200.

- Di-wave 100 will go into production in early Sept'09.

- Official launch at IBC, Netherlands (11-15 Sept'09)

- European launch expected by 2nd week of Sept'09

- Early Production run will cost approx USD 200.

Download the RNZI Mailbox program here: <http://www.rnzi.com/audio/mailbox.mp3> . (Gupta, Jul 27)

Thank you very much to 21 active SW Tips contributors, those being:

ALS-ARG	: Arnaldo Leonel Slaen	x	ARG		
AP-DNK	: Anker Petersen		DNK	AOR AR7030PLUS	28 m lw
BF-S	: Björn Fransson		S	ICOM R71 E	300 m Beverages
BJ-USA	: Brandon Jordan	x	USA		
BM-F	: Bernhard Mille		F	ICOM R75, FRT7700, T2FD	18m lw
CB-USA	: Chuck Charles Bolland	x	USA	NRD 545, WinRadio G305e/pd	
CG-POR	: Carlos L.R.de Assunção Goncalves		POR	DRAKE R-8E, JRC NRD-545. 13 dB Wellbrook amp.	several
GBD-I	: Giampiero Bernardini		I	Perseus	Wellbrook LFL1010
GH-USA	: Glenn Hauser	x	USA		
GJ-D	: Günter Jacob		D		
II-BUL	: Ivo Christov Ivanov		BUL	Sony ICF 2001 D	12 m lw
KBJ-DNK	: Kaj Bredahl Jørgensen		DNK	R-5000, R-390 A	30 m Alpha Delta DX-SWL
MAM-E	: Manuel Méndez		E	Satellit 500, SONY ICF SW 7600G	10m lw
MDA-I	Michele D´Amico		I		
NK-J	: Noboya Kato	x	J		
PR-AUT	Patrick Robic		AUT		
RAD-USA	: Richard A. d'Angelo	x	USA	Drake R-8, HF-150, Ten-Tec RX-340	AD Sloper, ANC-4, Datong FL3
RHW-USA	: Ron Howard	x	USA	NRD 535 D	Dymek vertical
RP-BUL	: Rumen Pankov		BUL	Sony ICF 7600 SW	12 m lw
RS-D	: Roland Schulze		D	Lextronix E1, Sony ICF 2001 D.	magnetic loop AOR LA380
WB-D	: Wolfgang Büschel		D	Sony 2010, R-1000, AOR 7030, Drake SPR-4	12 m lw, Yaesu FRT 7700

Broadcasting over Powerlines (BPL)

The (USA) FCC has been forced to revisit regulations and standards governing widespread introduction of this technology, following strong complaints from the ARRL on behalf of American Radio Amateurs. A court order has now been issued, requiring the FCC to review its previous position. The central issue on which the FCC is seeking comment concerns the power levels that should be permitted for Access BPL systems connected to electricity distribution lines, such that interference with other services is within specified bounds. Further details, and the ARRL/FCC documentation, may be found at www.amateurradio.com.au/node/728 , www.wia.org.au/newsevents/news/2009/20090727-1/index.php and <http://www.amateurradio.com.au/node/730> .

Here in Australia, some power companies have already leased their transmission infrastructures to Internet providers, but the take-up rate and success has been poor. Around Melbourne's outer east and south, where this technology has been installed on a "trial basis", the effect of this wideband interference is horrendous, as checked on my car radio. Whilst driving past these areas, which includes Hastings and Mt Evelyn, reception of normally strong local MF broadcasters is almost totally wiped out by this hash, which is broadband, extending from 1 Khz to infinity! (Padula, Jul 28)

Dxpedition to Mandarmani without electricity.

During Jan 2009 I had an opportunity to join some of the veteran dxers from Kolkata for a Dxpedition to a beach resort at Mandarmani, some 180 kms away from Kolkata, India. These veterans from the erstwhile IDXCI (Indian DX Club) had an experience of eleven dxpeditions earlier to various locations in Eastern India. This was my first experience to join a dxpedition and it was truly amazing ! Mandarmani DXpedition 2009 webpage can be accessed here : <http://mandarmanidxpedit.blogspot.com/> . (Gupta)

Test of new Uniwave DRM receiver

I could test the long time waited new Uniwave DRM receiver that will be on the market in Autumn. You can read a post on the blog <http://radiodxinfo.blogspot.com/> . (Bernardini). A few lines are in English, but most of the text is in Italian. (Ed)

Next deadline will be October 29th 2009 – we look forward to have your contributions