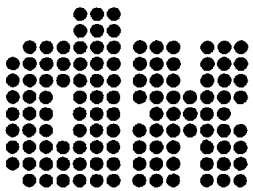


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BBC ORTF
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NDR RAI TVR

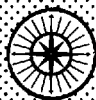
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magazine



WORLD WIDE DX CLUB



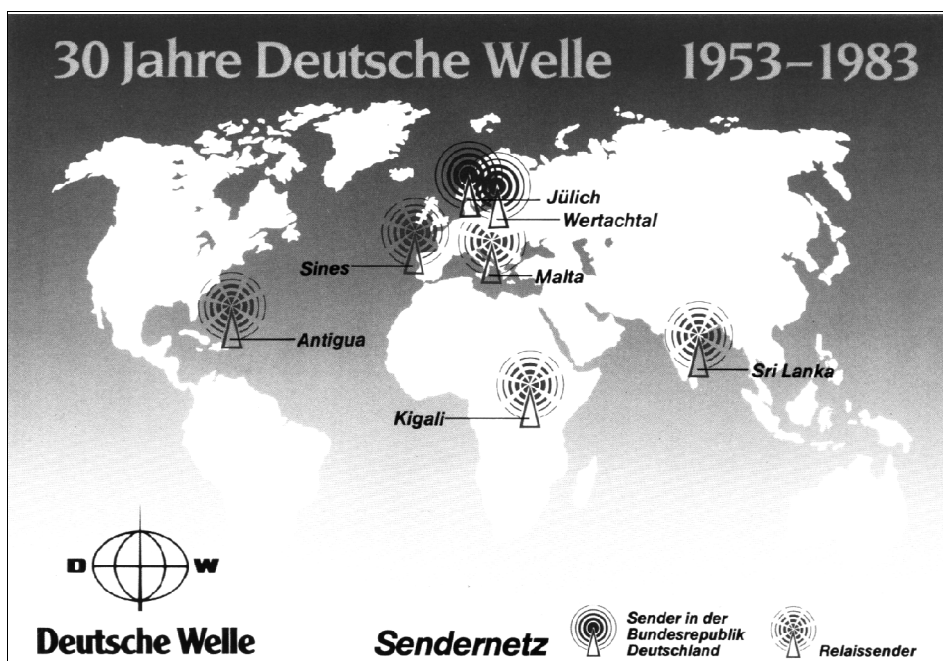
All times mentioned in this DX MAGAZINE are UTC - Alle Zeiten in diesem DX MAGAZINE sind UTC

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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.



DEADLINE (Redaktionsschluß) for
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DX MAGAZINE No. 6

Vol. XXXV

June 2000

Hello again,

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

Die KURZWELLENFREUNDE RHEIN/RUHR e.V. laden hiermit zu zwei DX-Camps ein, die im Juli und August stattfinden: 1. Auf vielfachen Wunsch legen wir ein zusätzliches DX-Camp im Juli ein, und zwar vom 21.-23.7.2000 unser "Sauerland-DX-Camp" in der Biberhütte auf dem Kalfsnacken in Sundern-Allendorf im Hochsauerlandkreis. Dieses Camp hat folgende Attribute: Ort: Eine (heizbare) Hütte des Sauerländischen Gebirgsvereins oberhalb des Ortes Sundern-Allendorf, im Hochsauerlandkreis mit ca. 10 DX-Plätzen. Selbstverpflegung (Küche mit Gasherd und Kühlschrank vorhanden). Pizzataxi möglich. Auch bei Getränken Selbstversorgung. Übernachtung im eigenen Zelt, oder auch auf Luftmatratzen/Klappliegen in der Hütte, oder im Wohnmobil/Auto... Evtl. kann auch ein Zimmer in einer Pension im Ort besorgt werden. Umgebung: Ca. 500 m Höhe in ländlicher und waldreicher Umgebung. Talsperre (Sorpe-Talsperre) in der Nähe. Gleichzeitig Schützenfest im Ort. Unkostenanteil: 40 DM pro DX-Platz, Begleitpersonen frei. Teilweise Teilnahme (Fr/Sa oder Sa/So) möglich. Kostenanteil: 20 DM

2. Unser schon traditionelles "Sommer-DX-Camp" im "Kull-Haus am Großen Parsick" findet vom 17.-20.8.2000 statt. Dieses Camp hat folgende Attribute: Ort: Ein Naturfreundehaus an einem Baggersee bei Kempen-Tönisberg, Nähe Krefeld oder Duisburg, mit 12-15 DX-Plätzen. Selbstverpflegung (gut ausgestattete Küche ist vorhanden), Getränke gibt's im Haus zu kaufen. Übernachtung im Haus in zwei größeren Schlafsälen, oder im eigenen Zelt neben dem Haus. Ländliche Umgebung im Grünen, direkt an einem großen Baggersee im Niederrhein-Gebiet. Viel Natur! Kosten 25-55 DM für jede übernachtende Person, je nach Aufenthaltsdauer. Teilweise Teilnahme möglich.

Beiden Camps ist gemeinsam: Aufbau vereinseigener Antennen (HF30, Dipol K60/90) und Weiterverteilung via Antennenverteiler. Viel Spaß und gemütliches Beisammensein. Wer sich für eines der beiden Camps (oder für beide) interessiert, kann sich ab sofort formlos unter der folgenden eMail-Adresse anmelden: <kwfr@kwfr.de>.

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

NEWS ABOUT BROADCASTING (+other) STATIONS
 Dr. Juergen Kubiak · Goltzstr. 19 · D-10781 Berlin · GERMANY

ARGENTINA: Review of *MW stations* above 1600 kHz located at Buenos Aires.

1620 Radio Tropicana (Av.San Juan 2461, 1232 Buenos Aires CF)

1630 AM1630 - Radio Buen Ayre (Calle 32 No. 426, 1900 La Plata - Buenos Aires)

1640 Radio Bolivia (Av. Coronel Roca 1467, 1437 Buenos Aires CF)

1650 AM Restauracion (Debussy 2948, 1686 Hurlinham, Buenos Aires)

1650 Radio Unidad (Molina 830, 1847 Rafael Calzada - Buenos Aires)
 1670 BBC America Latina (Buenos Aires) (Pivatto via DX Revue #5/00)

COLOMBIA: Active and inactive *stations panorama:*

- (I) 3500 La Voz del Guainia, Puerto Inirida.
 - (I) 4785 Radio Super, Ibague.
 - (I) 4835 Radio Buenaventura (Caracol). email: fdrabue@col2.telecom.com.co
 - (I) 4845 Caracol Bucaramanga (Caracol).
 - (I) 4865 La Voz de Cinaruco, Arauca, (Caracol).
 - (I) 4885 Ondas del Meta, Villavicencio, (Super).
 - (I) 4895 La Voz del Rio Arauca, Arauca, (RCN).
 - (A) 4895 Colombia Estereo, Santafe de Bogota: 24h, (CREER) retransmitting programs of FM 93.4 HJE. Reportes via fax: 54-1-240-7374 o QTH: Escuela de Cadetes Jose Maria Cordova, Calle 80 # 38-00, Santafe de Bogota, DC, Colombia. (Via Rafael Rodriguez, Bogota).
 Web: <http://www.ejercito.mil.co/sistema/radio.htm> / email: noticias@ejercito.mil.co (via Henrik Klementz Conexion Digital).
 - (I) 4905 Ecos del Orinoco, Puerto CarreNo.
 - (I) 4925 Emisora Meridiano 70, Arauca, (Todelar).
 - (A) 4955 Radiodifusora Nacional de Colombia, SF de Bogota.
 - (I) 4965 Radio SantaFe, Santafe de Bogota.
 - (A) 4975 Ondas del Orteguaza, Florencia.
 - (A) 5020 Ecos del Atrato/Caracol Quibdo, (Caracol/R@dionet)
 - (I) 5040 La Voz de Yopal, Yopal (RCN).
 - (I) 5075 Caracol Colombia, SF de Bogota.
 - (I) 5570 Radio Nueva Vida, Bucaramanga, (Religious transmissions).
 - (I) 5955 La Voz de los Centauros/Caracol Villavicencio.
 - (A) 5975 Radio Autentica/Radio Macarena, Villavicencio.
 - (I) 6015 Radio Mira, Tumaco, (Caracol)
 - (A) 6035 La Voz del Guaviare, San Jose del Guaviare, //RCN Bogota MW 770
 - (I) 6045 Cadena Melodia, Santafe de Bogota.
 - (I) 6065 Colmundo, Santafe de Bogota.
 - (I) 6085 Ondas del Darien, Turbo.
 - (A) 6115 La Voz del LLano, Villavicencio.
 - (I) 6150 Caracol Colombia, SF de Bogota
 - (I) 6170 La Voz de la Selva/Caracol Florencia.
 - (I) 9655 Radiodifusora Nacional de Colombia, SF de Bogota.
- Note: (A) Active / (I) Inactive. (Yimber Gaviria in CONEXION #57, 5-28-00)

CROATIA: New A00 schedule of **Croatian Radio - HRT**. Contact: Zelimir Klasan, HRT, Prisavlje 3, Zagreb. Fax: +385 1 6163347 and E-mail Zelimir.Klasan@hrt.hr

Target Area	Frequency	UTC
South America	9925	2300-0100
N. America-East	9925	0100-0300
N. America-West	9925	0300-0500
New Zealand	9470	0500-0700
Australia	13820	0700-0900
Africa And Middle East	11805	2000-2100
Europe	13830	0900-2100
	9830	0400-1730
	7365	0400-0900
	6165	0400-1730

MEDIUMWAVE:

Location	kHz	UTC
Osijek	594	0000-2400
Hvar	774	0300-2300
Buje	783	0300-2300
Deanovec	1125	0000-2400
Zadar	1134	1300-0530

(HRT website last-modified 24 Mar 2000 via JKB)

CZECH REPUBLIC: Broadcast schedule A00 of **Radio Prague**, valid to 28 October 2000. Address: Radio Prague, Vinohradská 12, 120 99 Prague. Fax: +420-2-24218239. E-mail: cr@radio.cz and at the web <http://www.radio.cz/>

Program	UTC	kHz	Area				
CZECH	0830 - 0857	11600	S.W. Europe		0100 - 0127	7345	N. America
		21745	E. Africa/ Mi. East			11615	
	0930 - 0957	21745	S. Asia/ W. Africa		0300 - 0327	7345	N. America
	1100 - 1127	11615	N. Europe			* 7385	
		21745	S. Asia			11615	
	1230 - 1257	6055	C. Europe		0330 - 0357	11600	Mi. East/ S.W. Asia
		7345	W. Europe			15470	
	1330 - 1357	13580	N. Europe	GERMAN	0630 - 0657	5930	W. Europe
		17485	S. Asia			7345	Europe
	1530 - 1557	5930	W. Europe		1000 - 1027	6055	C. Europe
		21745	E. Africa			9880	W. Europe
	1730 - 1757	5930	E. Europe/Asia/Australia		1200 - 1229	6055	C. Europe
		21745	C. Africa			7345	W. Europe
	1930 - 1957	5930	W. Europe	SPANISH	1500 - 1527	5930	W. Europe
		11600	S. & E. Asia/ Australia		0730 - 0757	9880	S.W. Europe
	2100 - 2127	11600	S. & E. Asia/ Australia			11600	
		15545	W. Africa		1400 - 1427	11600	S.W. Europe
	2330 - 2357	11615	N. America			13580	
		17485	S. America		1800 - 1827	5930	S.W. Europe
	0130 - 0157	7345	N. America			13580	
		11615	S. America		1900 - 1927	5930	S.W. Europe
	0230 - 0257	7345	N. America			13580	
		* 7385			2030 - 2057	5930	S.W. Europe
		11615				11600	
ENGLISH	0700 - 0727	9880	N.W. Europe		2300 - 2327	11615	S. America
		11600				17485	
	0900 - 0929	21745	S. Asia/ W. Africa		0030 - 0057	11615	S. America
	1030 - 1057	9880	N. Europe			13580	C. America
		11615	N.W. Europe		0200 - 0227	7345	C. America
	1130 - 1157	6055	C. Europe			* 7385	N.W. of South America
		21745	S. Asia			11615	S. America
	1300 - 1329	13580	N. Europe	FRENCH	0600 - 0627	5930	W. Europe
		17485	S. Asia			7345	S.W. Europe
	1600 - 1627	5930	N.W. Europe		0800 - 0827	9880	W. Europe
		21745	E. Africa			11600	S.W. Europe
	1700 - 1727	5930	N.W. Europe		1430 - 1457	11600	S.W. Europe
		21745	C. Africa			13580	S.W. Europe/ N.W. Africa
	2000 - 2027	5930	N.W. Europe		1630 - 1657	5930	W. Europe
		11600	S. & E. Asia/ Australia			21745	C. Africa
	2130 - 2157	11600	S. & E. Asia/ Australia		1830 - 1857	5930	W. Europe
		15545	W. Africa			13580	W. Africa/ S.W. Europe
	2230 - 2257	11600	N. America		2200 - 2227	11600	N. America
		15545				15545	
	0000 - 0027	11615	N. America		Transmitters at Litomysl 16E10 49N48		
		13580			* Relayed via WRMI Miami, Florida 80W22 25N54		

(R. Prague website via JKB, 13 June 00)

ECUADOR: New frequency of **Radio Oriental**, Tena, is 4800 khz. (Yimber Gaviria - DXLD in BDXC 2000/5, March 00)

EGYPT: Complete scheme of **Radio Cairo**, the External Service of the Egyptian Radio RTV for the present period A00. Address: QTH: Radio TV Union, Egyptian Broadcasting Corporation, Overseas Radio Services Network, Cairo, Egypt.

0045-0200	Sp	9475, 9740, 11715	1330-1430	Bengali	17595
0045-0430	Ar	9900	1500-1530	Azeri	9780
0200-0330	E	9475	1500-1600	Hindi	17690
1015-1215	Ar	17745	1500-1600	Pashto	17710
1100-1130	Ar	17800	1530-1630	Afar	15155
1115-1215	Thai.	17770	1530-1630	Uzbek	9620
1215-1330	E	17595	1530-1730	Swahili	11975
1215-1315	Malay.	17770	1600-1645	Zulu	11875
1300-1600	Ar	15220	1600-1800	Alban.	9950
1300-1330	Persian	15160	1600-1800	Turkish	6230
1320-1450	Indon.	17770	1600-1800	Urdu	17690
1330-1530	Persian	11560	1630-1730	Somali	15155

1630-1830	E	15255	1930-2030	Fulani	17840
1645-1730	Shona	11875	2000-2115	F	9990
1730-1815	Ndebele	11875, 15375	2000-2200	Ar	11990
1730-1900	Amarico	15155	2030-2200	E	15375
1800-1900	I	9988	2030-2230	F	15335
1800-1900	R	6120	2100-2200	Yoruba	15210
1800-2100	Hausa	15210	2115-2245	E	9990
1830-1915	Lingala	15255	2215-2330	P	15420
1830-1930	Wolof	15375	2300-0030	E	9900
1900-2000	G	9990	2330-0045	Ar	15590, 17770
1930-2030	Bambara	15375			

In order to obtain a QSL in "safe" form, contact Mrs. Fatima Youssef (Programs for Latin America in Arabic / Spanish).

(Esquema de la emisora, CONEXION #56, 21 May 2000)

More budget for the German program section of Radio Cairo, so live phone-in calls by calling back to German listeners in the future. (MF, Apr 00)

FINLAND: Scandinavian Weekend Radio - SWR is Finland's first private owned shortwave radio station. Our first transmission is planned to start at 30th of June, 2000, 22:00 UTC. SWR is on the air at every month's first Saturday 24 hours (local time), starting at Friday 22.00 UTC and ending Saturday 21.59 UTC. SWR broadcasts in 25 meter band shortwaves. Our frequencies are 11690 and 11720 kHz. Frequency used depends of interfering stations. Studios and transmitters locate in Virrat, western Finland. Our reception area is confirmed after test transmissions held in June 2000. (SWR website information via JKB, 31 May 00)

OM Ville-Veikko Haikarainen sent them a note asking about the power and location of their transmitters. Here's the reply: SWR's transmitting power is going to be 250 watts. Our antenna is half wave dipole in 20 meters above ground. Virrat, our station location in West Finland, is about 150 km north from city of Tampere. (Ville-Veikko Haikarainen via BC-DX #465, May 9)

The power behind the scenes of the Scandinavian Weekend Radio (SWR), is the Scandinavian SW Radio Assoc. The purpose of SSRA is to promote and to support the non-commercial radio broadcasting in Finland. The operation of the radio station is independent of the Oy Finnish Broadcasting Company Ab, of home and foreign radio chains, other radio stations and advertisers. If our license is granted in time, the first transmission is held 1st of July 2000. Our reception area will cover the Nordic countries and the area around the Baltic Sea. Because of the international character of our station, also English and Swedish are used in addition to the Finnish as the languages of our radio programs. The reception area of the station also brings a possibility to make Finnish music known to our foreign listeners. For this reason more than half of the music played will be domestic. Our purpose is to function as the radio enthusiasts' report channel, to support, and to promote the radio hobby. We report in the news events of the radio world and information such as for example the activity of the sun, which greatly affect in distant radio reception. More information about SWR can be found in our website: <http://www.swradio.net> or by e-mail info@swradio.net

(BDXC-UK via Cumbre and also via DXLD, both via BC-DX #465, May 12)

GERMANY: German Telecom - Relay stations transmissions, latest schedule A00 transmitter Juelich, valid from 19 June until 29 Oct. 2000.

frequ	start	stop	ciraf	ant	azi	type	day	from	to	bro	remarks
5840	0300	0400	28,29,38,39	111	120	216	1234567	260300	291000	AWR	
5960	1857	1956	27,28	401	ND	926	1234567	260300	291000	DWL	(VRT)
5975	0700	1059	27,28	406	290	106	1234567	260300	291000	VOH	
5985	0900	0959	27,28	104	115	206	1	260300	291000	CHW	
6005	0000	2400	27,28	402	ND	976	1234567	260300	291000	ARD	DLR+
6015	1630	1659	27,28	401	ND	926	23456	260300	291000	UNL	
6015	1730	1759	27,37N	405	215	141	7	150400	291000	UNL	
6045	0645	0820	27,28	401	ND	926	7	260300	291000	TWR	
6045	0655	0820	27,28	401	ND	926	23456	260300	291000	TWR	
6045	0645	0850	27,28	401	ND	926	1	260300	291000	TWR	

6045	0858	1000	27,28	401	ND	976	1	070500	291000	EVR	
6045	1027	1225	18S,27,28NW	401	ND	926	1234567	260300	291000	DWL	(RNW)
6110	1300	1659	27,28	406	290	106	1234567	100500	291000	TOM	
6110	1725	1930	18,28,29W	406	290	106	1234567	260300	291000	SRI	
6140	0600	1455	27,28	111	120	216	1234567	240500	291000	DWL	
6140	1455	1900	27,28	105	115	216	1234567	240500	291000	DWL	
6190	0000	2400	27,28	402	ND	976	1234567	260300	291000	ARD	DLF+
7260	1600	1645	28	211	110	216	7	260300	291000	TWR	
7260	1630	1645	28	211	110	216	1 6	260300	291000	TWR	
7285	0800	0830	27,28	402	ND	976	7	170600	020900	INF	
9435	0100	0129	41	110	90	217	1	260300	291000	UNL	
9470	0500	0659	55,59,60	202	230	218	1234567	260300	291000	HIC	
9490	0300	0459	47,48,52,53	306	160	216	23456	260300	291000	RTB	
9490	0430	0459	47,48,52,53	306	160	216	1 7	260300	291000	RTB	
9490	1230	1245	28	104	130	206	23456	260300	291000	TWR	
9490	1230	1300	28	104	130	206	1 7	260300	291000	TWR	
9610	0355	0630	28SE,29	104	115	206	1234567	260300	291000	SRI	
9650	1300	1430	28S	105	130	216	1234567	260300	291000	DWL	
9745	2100	2330	37,38,46	406	200	106	1234567	260300	291000	AWR	
9855	0000	0100	8,9	119	295	216	1234567	260300	291000	LRT	
9875	1600	1800	28,29,38,39	104	115	206	1234567	260300	291000	AWR	
9885	0025	0545	8,10,11,12N	102	295	217	1234567	260300	291000	SRI	SOT+
9885	2155	2400	13-16	112	240	216	1234567	260300	291000	SRI	SOT+
9925	2300	0059	Nov 16	202	230	218	1234567	260300	291000	HIC	
9925	0100	0259	06. Okt	112	300	216	1234567	260300	291000	HIC	
9925	0300	0459	02. Okt	105	325	216	1234567	260300	291000	HIC	
11705	2200	2215	37,38	405	175	141	12 4 6	260300	291000	RFL	
11735	1830	1859	52,53,57	306	160	216	5	260300	291000	RRP	
11805	2000	2059	38,39,52,53,57	306	160	216	1234567	260300	291000	HIC	
11840	1800	1829	46,47,48	306	160	216	1	260300	291000	UNL	
11970	0800	0900	28,38	104	145	206	1 7	260300	291000	AWR	
13685	0825	1030	55,58-60	202	240	218	1234567	260300	291000	SRI	SOT+
13710	1727	1856	28,38,39	103	115	217	1234567	260300	291000	VRT	
13720	0557	0659	18	308	20	216	1234567	010700	310800	RNW	
13770	1825	2130	38,48,53	106	145	216	1234567	250500	291000	SRI	SOT+
13810	1500	1659	38,39	111	120	216	1234567	250500	291000	TOM	
13810	1700	2100	28,29,30,39	111	75	216	1234567	150600	291000	VOH	*
13820	0700	0859	58,59,60	208	270	218	1234567	260300	291000	HIC	
13820	1827	2125	37,38,46	308	200	216	1	110600	110600	RNW	*
13820	1827	2125	47,48,52	105	145	216	1	110600	110600	RNW	*
13820	1827	2125	37,38,46	308	200	216	1	160600	160600	RNW	*
13820	1827	2125	47,48,52	105	145	216	1	160600	160600	RNW	*
13820	1827	2125	37,38,46	308	200	216	1	210600	210600	RNW	*
13820	1827	2125	47,48,52	105	145	216	1	210600	210600	RNW	*
15105	1600	1629	47,48,52,53	302	160	216	1	260300	291000	UNL	
15220	1625	1815	28,38,39	102	115	217	1234567	260300	291000	SRI	
15220	1825	2130	47,52,53,57	302	160	216	1234567	260300	291000	SRI	
15265	1827	2125	38,39,40	102	115	217	1	110600	110600	RNW	*
15265	1827	2125	38,39,40	102	115	217	1	160600	160600	RNW	*
15265	1827	2125	38,39,40	102	115	217	1	210600	210600	RNW	*
15315	0955	1230	37N	308	210	216	1234567	260300	291000	SRI	
15315	2030	2125	37,46	405	195	141	1234567	250400	010500	RNW	
15315	2030	2125	37,46	308	200	216	1234567	230500	291000	RNW	+
15545	0555	0815	37S,38	302	160	216	1234567	260300	291000	SRI	
15560	2000	2100	37,38,46	308	200	216	1234567	260300	291000	AWR	
15560	2130	2200	37,38,46	308	200	216	1234567	260300	291000	AWR	
15620	0700	0930	37,46	308	200	216	1234567	260300	291000	AWR	
15715	1325	1629	40,41	110	90	217	1234567	260300	291000	VOH	
15755	1830	2130	47,48,52,53	303	160	216	1234567	100600	020700	RTB	
17550	1325	1629	46	307	200	216	1234567	260300	291000	VOH	
17570	1500	1712	47,48,52,53	303	160	216	123456	260300	291000	RTB	
17570	1600	1712	47,48,52,53	303	160	216	7	260300	291000	RTB	
17570	1712	1829	47,48,52,53	303	160	216	1234567	100600	020700	RTB	

17580	0500	0712	47,48,52,53	303	160	216	23456	260300	291000	RTB
17580	0500	0806	47,48,52,53	303	160	216	1	260300	291000	RTB
17580	0500	0959	47,48,52,53	303	160	216	7	260300	291000	RTB
17580	1825	2130	37S,38W,46	307	200	216	1234567	260300	291000	SRI
17590	1757	1856	47,52,53	301	160	216	1234567	240400	291000	DWL (VRT)
17640	1625	1815	38,39	107	115	217	1234567	260300	291000	SRI
17660	1800	1900	29,30,39,40	109	100	218	1 3 5	260300	291000	AWR
17670	1355	1615	29,30,40,41	207	80	218	1234567	260300	291000	SRI SOT+
17685	0555	0815	37S,38W,46	307	200	216	1234567	260300	291000	SRI
17750	1245	1345	41,49	203	70	218	1234567	260300	291000	DVB
21460	1200	1559	38,39,40	106	115	217	1234567	250500	291000	VOH
21565	1000	1117	47,48,52,53	301	160	216	7	260300	291000	RTB
21565	1100	1117	47,48,52,53	301	160	216	1	260300	291000	RTB
21565	1000	1206	47,48,52,53	301	160	216	23456	260300	291000	RTB
21590	0800	1200	38,39,40	101	115	217	1234567	250500	291000	VOH
21590	2030	2125	46,47	301	160	216	1234567	270400	010500	RNW
21590	2030	2125	46,47	301	160	216	1234567	020500	291000	RNW +
21720	1625	1815	38,39,48	106	145	217	1234567	260300	291000	SRI SOT+
21750	0555	0815	47,52,53,57	301	160	216	1234567	260300	291000	SRI SOT+
21770	1055	1330	29,30,40,41,49	207	80	218	1234567	260300	291000	SRI SOT+

* changes + active on demand

AWR	Adventist World Radio	RRP	Radio Reveil Paroles de Vie
CHW	Christliche Wissenschaft	RTB	Radio Television Belge de la communaute Francaise
DVB	Democratic Voice of Burma	SRI	Swiss Radio International
DWL	Deutsche Welle	TOM	The Overcomer Broadcast
DLF	Deutschlandfunk	TWR	Trans World Radio
DLR	DeutschlandRadio	UNL	Universelles Leben
EVR	Evangeliums Radio Hamburg	VOH	High Adventure Ministries - The Voice of Hope (ex HAM)
HIC	Hrvratska Informativini Centar	VRT	Vlaamse Radio en Televisie (ex RVI)
INF	Info Radio, NL		
LRT	Radio Vilnius Lithuania		
RFL	Reformed Faith and Life		
RNW	Radio Netherlands World Service		

(Ralf Weyl - German Telecom AG, via WWDXC-HQ & JKB, 19 June 2000)

GHANA: *Ghana Broadcasting Corporation - GBC* is back on 3366 with GBC2 channel after 2 month, replacing some transmitter parts. (Charles Wompia via Cumbre DX via DXLD via BDXC 2000/5, 11 Apr 00)

ISRAEL: *KOL ISRAEL* overseas service schedule (Network in brackets), valid until October 29, 2000. Postal address: KOL, Israel Radio International, PO Box 1082, Jerusalem 91010, Israel. Fax: +972-2-302327. KOL website: <http://www.israelradio.org> and for correspondence regarding reception problems send to: Raphael Kochanowski, Director of Engineering Liaison and Coordination (email to raphaelk@iba.org.il).

Hebrew (Reshet Bet - Second Network, includes TV news 1900-1945)		17535	Australasia		
0000-0000	15760	Europe + N. America	1030-1035	15640	Europe + N. America
0000-0500	9390	Europe + N. America		17535	Europe + N. America
0330-0500	11590	Europe + N. America	1400-1430	15650	Europe + N. America
0500-1855	17545	Europe + N. America		17535	Europe + N. America
1800-1845	15640	S. Europe + C. America	1900-1925	11605	Europe + N. America
1600-1755	11590	Europe + N. America		15650	Europe + N. America
1800-0330	11585	Europe + N. America		17535	Europe + N. America
1900-0100	13710	Europe + N. America		15640	Africa
2000-2115	15640	South America	French (REQA / Hei)		
Arabic (Reshet Dalet - Fourth Network)			0500-0515	15640	Europe + N. America
0300-2115	5915	Middle East	0500-0515	17535	Europe + N. America
0300-0215	9815	Middle East	1000-1030	15640	Europe + N. America
0530-1355	15480	Middle East	1000-1030	17535	Europe + N. America
1400-2115	15480	Europe and Near East	1530-1555	11605	Europe + N. America
English (Alef / REQA / Hei)			1530-1555	15650	Europe + N. America
0400-0415	9435	Europe + N. America	1530-1555	17535	Europe + N. America
	15640	Europe + N. America	1930-1945	11605	Europe + N. America
			1930-1945	15640	Latin America

Note: The rest of the hours indicated, music except 1600-1800 and 0400-0500 UTC (Sat, Sun) that estan outside the air. (Pedro Sedano in CONEXION #57, 5-28-00)

NETHERLANDS: *InfoRadio* from the Netherlands will this summer broadcast a weekly Dutch language program of 30 minutes to that people normally live in the south-east of the Netherlands, but who are away from home for holidays. InfoRadio is a private broadcaster and all necessary permissions to transmit programs via shortwave have been obtained from the Dutch and German government. InfoRadio will use the facilities of Deutsche Telekom in Juelich, Germany. The weekly programs will be broadcast from 17 June onwards until 2 September 2000 between 0800 and 0830 UTC on 7285 KHz with 100 KW, using an omni-directional antenna. The objective of the program is to keep travelers informed about what happens locally at home. Each program will include an overview of the most important news of the past week, travel-related information, holiday greetings, Dutch music and a contest. An additional relay via WRMI to North and South America is currently under consideration. Here is the tentative schedule for the InfoRadio relay via WRMI: Saturdays 2230-2300 UTC on 9955 kHz to the Caribbean, the Netherlands Antilles and South America, and 0530-0600 UTC Sunday on 7385 kHz to North America. Up to date information will be put on the station's website at www.inforadio.nl, email address is inforadio@broadcast.net (Marcel Rommerts via WWDXC-HQ, 16 May 2000)

New MW Station *Radio Nationaal* (address P.O.Box 1235, NL-1200 BE Hilversum) at 1035 kHz since May 5. Location Hunsel 40 km away from Eindhoven, power 10 kW. Radio Nationaal also 1332 kHz at Lopik, 2 kW. (van Hoof via DX Revue #5/2000)

NEW ZEALAND: *Radio New Zealand International - RNZI* valid schedule to 3 September 2000. Address: P.O.Box 123, Wellington, New Zealand. Fax: 00 64 4 474 1433 and e-mail address is info@rnzi.com

UTC	kHz	AZI Target	Day
1650-1850	6145	35 NE Pacific, Samoa, Cook Islands	Mon - Fri
1850-1950	11725	0 Pacific	Mon - Fri
1950-0705	17675	0 Pacific	Mon - Fri
1955-0705	17675	0 Pacific	Sat & Sun
0705-0959	11720	0 Pacific	Daily
1000-1305	11720	325 NW Pacific, Bougainville, East Timor, Asia	Daily*

* = Programs at this time are for the NZL Peace keeping Troops based in Bougainville and East Timor.

Usual Closedown is 1305 UTC - however for occasional over-night broadcasts to the Pacific for Cyclone Warnings our frequencies are as follows: 1305-1505 UTC 6100 kHz and 1505-1650 UTC 6145 kHz. (RNZI website last-modified 26 May 2000 via JKB)

PHILIPPINES: *Radio Veritas* Asia, Manila, A00 transmission schedule valid to 29 October 2000. Radio Veritas Asia is operated by the Roman Catholic church. Radio Veritas Asia started broadcasting in Cantonese on January 1, 2000. The Cantonese Program runs daily entitled "100% Jesus Talks." It's flagship feature involves Jesus' interview with a different person everyday. The docu-drama is supported by religious music/hymns and prayers. It was conceived by the Hongkong Catholic Diocesan AV Center. According to its director Dr. Dominic Y. Yung, Ph. D: "One of our major diversification since the 1997 hand-over has led us into active participation in religious broadcasting." The Hongkong Catholic Diocesan AV Center has produced Catholic radio programs for their web-site which includes two regular web-radio programs for overseas Chinese. The support from their Diocese and the encouraging visits to their web-site, prompted them to put up a Cantonese program via shortwave radio through Radio Veritas Asia. TX Site: B. Lipay, Palauig, Zambales - Geographical loc. 119.5E / 15.28N. Address: Radio Veritas Asia, PO Box 2642, Quezon City 1166, Philippines. Fax: +63-2-939-7556. Radio Veritas Asia, P. O. Box 2642, Quezon City, 1166 Philippines. At Internet <http://www.radio-veritas.org.ph> and e-mail info@radio-veritas.org.ph

Karen	0000-0025	9535 (250 kW, 280°)	Sinhala	0000-0025	11805 (250 kW, 280°)
Kachin	0030-0055	9535 (250 kW, 280°)	Tamil	0030-0055	11805 (250 kW, 280°)

Bengali	0100-0125	15335 (250 kW, 300°)	Tamil	1400-1425	9595 (250 kW, 270°)
Hindi	0130-0155	15335 (250 kW, 300°)	Telugu	1430-1455	9595 (250 kW, 280°)
Telugu	0100-0125	15530 (250 kW, 280°)	Bengali	1400-1425	9670 (250 kW, 300°)
Vietnamese	0130-0225	15530 (250 kW, 280°)	Russian	1430-1525	9660 (250 kW, 330°)
Urdu	0200-0225	15335 (250 kW, 300°)	Filipino (ME)	1500-1525	9610 (250 kW, 300°)
Russian	0230-0325	11805 (250 kW, 015°)	(We Fr Su)	1525-1555	9610 (250 kW, 300°)
Mandarin	1000-1155	9520 (250 kW, 331°)	Zomi-Chin	1530-1555	9525 (250 kW, 280°)
Hmong	1000-1025	9555 (250 kW, 280°)	(Mo Tu Th Sa)		
Vietnamese	1030-1125	11850 (250 kW, 280°)	Urdu	1530-1555	9670 (250 kW, 300°)
Burmese	1130-1155	9615 (250 kW, 280°)	Mandarin	2100-2255	6190 (250 kW, 355°)
Karen	1200-1225	9615 (250 kW, 280°)	Cantonese	2200-2225	6060 (250 kW, 331°)
Kachin	1230-1255	9615 (250 kW, 280°)	Filipino (EA)	2230-2255	6075 (250 kW, 355°)
Indonesian	1200-1225	9505 (250 kW, 222°)	Indonesian	2300-2325	11820 (250 kW, 222°)
Vietnamese	1300-1325	7265 (250 kW, 280°)	Indonesian	2300-2325	9505 (250 kW, 222°)
Sinhala	1330-1355	9520 (250 kW, 280°)	Burmese	2330-2355	9535 (250 kW, 280°)
Hindi	1330-1355	9675 (250 kW, 300°)	Vietnamese	2330-2355	9670 (250 kW, 280°)

(HJB, 16 Apr 2000)

RUSSIA: Voice of Russia, schedule A-00 from their web-site:

ALBANIAN

1500-1530 15455*,15290*, 12060, 12040**, 12000**,9450*, 7310**
2130-2200 1548

ARABIC

1600-1700 15540, 12060, 12000*, 11985, 9975, 9835*, 9710**, 7325, 7305,
5935**, 1314, 1170
1700-1800 15595***, 15540*, 12060, 12000*, 9975, 9710**, 7430**, 7305*,
7130****, 1314, 1170
1800-1900 15595***, 12060, 12000*, 9975, 9835*, 9710**, 7430**, 7305*,
7130****, 5935**, 1314, 1170

BENGALI

1530-1600 17570, 15460, 12025, 11695, 9875*, 7305**

BULGARIAN

1700-1800 15290*, 15125*, 12040*, 12000**, 9785**,9490**, 9470***,
6000****, 621

CHINESE

1000-1100 (from Khabarovsk)
17665, 15525*, 15490, 15470**, 12000*, 9480, 9470**, 7330, 5940, 1251,
801, 585
1100-1200 17665, 15525*, 15490, 15470**, 12000*, 12055*, 9900**, 9790*,
9490**, 9480, 9470**, 7330, 7305, 5940, 1251, 1080, 801, 648, 585
1200-1300 15525*, 12000*, 11640, 9480, 9470**, 1251, 585
1300-1400 (from Moscow) 15525*, 12000*, 12055*, 11640, 9490**, 9480,
9470**, 7305, 1251, 801, 585

CZECH

1745-1830 15350*, 11630, 7440*, 7400**, 7370**

DARI

1300-1400 17665**, 17610*, 15550, 4975, 4965, 4940, 972, 648

ENGLISH to Europe

0100-0300 1548
0300-0500 1548, 693
0500-0900 1323, 693
1400-1500 1386, 1323, 1215, 693
1500-1700 9730, 1494
1700-1800+++ 11675+, 9890+, 9820+++++, 9775, 9720++, 9710+, 9450++,
7300++, 1494+++++
1800-1900 11675+, 9890+, 9820, 9775, 9720, 9710+, 9480++, 9450++, 7330,
7300++, 1494, 1143
1900-2000 12070, 11675+, 9890+, 9820, 9775, 9720++,9710+, 9450++, 7440++,
7300++, 1386

2000-2100 15485+, 12030++, 11675+, 9890+, 9820, 9775, 9720++, 7300++,
1386, 1323

2100-2200 612

Satellite broadcasts via WRN

+ - from 05.03.00 till 26.03.00 ++ - from 04.09.00 till 29.10.00

+++ - Sat, Su

+++++ - except Tue, Fri

ENGLISH to North America

0100-0200 17595, 15595, 11990, 9665*, 7180**

0200-0300 17595*, 15595, 13690, 11990, 9665*, 7180**

0300-0400 17690*, 17660, 17650*, 17565*, 15595, 15465**, 15455**, 15425**,
11990, 9665*, 7180**, 7125

0400-0500 17690*, 17660, 17650*, 17565*, 15595, 15465**, 15455**, 15425**,
11990, 9665*, 7180**, 7125

Satellite broadcasts via WRN

ENGLISH to Africa

1600-1700 15515*, 12070**

1700-1800 12015, 11510

1800-1900 12015, 11695, 11510*

Satellite broadcasts via WRN

ENGLISH to Middle East

0200-0300 13690

1400-1500 12055***, 7315****, 648

1500-1600 12015, 7325, 4975, 4965, 4940, 1170, 972

1600-1700 15515*, 12070**, 12055***, 12015, 7315****, 1251, 648

1700-1800 12055***, 7315****

Satellite broadcasts via WRN

ENGLISH to Asia

0100-0200 12045

0600-0700 17655

0700-0800 17655, 1251

0800-0900 1251

1400-1500 12025, 11695, 1269

1500-1600 11500

1600-1700 12025, 9875*, 7305**, 1251

1700-1800 1269

Satellite broadcasts via WRN

ENGLISH to Australia, New Zealand

0500-0600 21790, 17665, 17625

0600-0700 21790, 17665, 17625, 15490

0700-0900 21790, 17665, 17625, 17495, 15490

FINNISH (Mon-Fri)

1700-1730 11675*, 9820, 7300**, 1494

FRENCH to Africa

1600-1700 12035, 11695, 11510, 9865

1700-1800 12035, 11985**, 11695*, 9865, 7360*, 7320**

1800-1900 9865, 9450*, 7360*, 7320**, 7310**

1800-1900 9865, 9450*, 7360*, 7320**, 7310**

FRENCH to Europe

1600-1700 15535*, 12020**, 11745*, 9865, 9810, 9765**

1700-1800 15535*, 12020**, 11745*, 9865, 9810, 9765**, 7320**, 7310

1800-1900 15535*, 12020*, 11930, 11745*, 9865, 9810, 9765**, 9450*,
7320**, 7310

1900-2000 15535*, 15485*, 12030**, 12020**, 11930, 11745*, 9865, 9810,
9765**, 9450*, 7320**, 7310, 1323

GERMAN

0900-1000 17670, 15455, 11745, 1386, 1323, 1215, 693

1000-1200 1386, 1323, 1215, 693

1500-1600 15485*, 12030, 11980**, 11745*, 9810**, 9710*, 9480*, 9450**,

7390**, 7330, 7310*, 1386, 1323, 1215, 693

1600-1700 15485*, 12030, 12020**, 11980**, 9710*, 9480*, 9450**, 7440**,
7390**, 7380**, 7330**, 7310*, 7300*, 1386, 1323, 1215, 1143, 693

1700-1800 15485*, 12030, 11980**, 9480*, 9710*, 7440**, 7390**, 7330*,
1386, 1323, 1215, 693

1800-1900 15485*, 12030, 12020*, 9890**, 9480*, 7440**, 7390**, 7330*,
1386, 1323, 1215, 693

GREEK

1800-1900 15455*, 15290*, 15125*, 12040**, 12000**, 9490**, 9470***,
6000****, 621

HINDI [! B-99 schedule on web page ! freqs as monitored in EUR by WB]

1300-1400 17685, 17675, 17570, 15460, 11500, 1269, 972

1500-1530 17570, 15460, 12025, 11695, 9875, 972

HUNGARIAN

1700-1745 15350*, 11630, 7440*, 7400**, 7370**

ITALIAN

1700-1800 1548, 9450, 11920, 11980, 15455

JAPANESE

1200-1300 (from Khabarovsk) 15580*, 12000**, 9900**, 9790*, 7375**, 7315*,
720, 630

1300-1400 (from Moscow) 15580*, 12000**, 9900**, 9790*, 7375**, 7315*,
720, 630

KOREAN

1000-1100 (from Khabarovsk) 15470*, 13640, 12055, 9900**, 9875**, 9790*,
7490, 7305, 648

1200-1300 (from Moscow) 7340, 7305, 648

MONGOLIAN

1230-1330 15525**, 15470*, 12055*, 9490**, 1080, 801

NORWEGIAN (Tue & Thur)

1730-1800 11675*, 9820, 7300**, 1494

PASHTO

1300-1400 17665**, 17610*, 15550, 4975, 4965, 4940, 972, 648

PERSIAN

1530-1700 9975, 9840, 5935, 5925, 648

POLISH

1700-1800 12020*, 11930, 9890**, 1143

PORTUGUESE to Latin America

2300-2400 12060, 12010õ, 9965, 9890õõ, 9860õõõ, 9810õõõ, 9470, 9450õ,
7400õõõõ, 7390, 7380õõõõ

õ - from 26.03.00 till 03.09.00 õõ - from 04.09.00 till 29.10.00

õõõ - from 26.03.00 till 31.07.00 õõõõ - from 01.08.00 till 29.10.00

PORTUGUESE to Portugal

2000-2030 11980 9795 7440

ROMANIAN

1600-1700 15350*, 15125*, 12040*, 9785**, 9490**, 9470***, 7370**,
6000****, 999

RUSSIAN to Europe

1200-1300 1323, 1215, 693

1300-1400 1215

1700-1800 9720*, 9480**, 7300

1900-2000 15455*, 15350*, 12040**, 11980*, 11630, 9890**, 9795**, 9720*,
9480**, 7370**, 1247, 1215, 693, 621, 612

2000-2100 12070, 9720*, 9710*, 9480**, 9450, 7310**, 1247, 1215, 693, 612

RUSSIAN to No & Ce America

0100-0200 21755*, 17690*, 17660, 17595**, 17565*, 15520, 15425**, 13790**,
7125

0200-0400 21755*, 17690*, 17660, 17650*, 17595**, 17565*, 15520, 15425**,
13790**, 7125

RUSSIAN to AS, AUS, NZL and PAC

1200-1300 17610**, 15560, 15460, 15510*, 9945

1300-1400 17610**, 15560, 15510*, 9945

RUSSIAN to NE & ME

1200-1300 648

1500-1600 17580***, 15515*, 12070**, 12055***, 12005, 7315****, 7130****

1900-2000 1314

RUSSIAN to Latin America

0100-0300 12070*, 9480, 7300**

SERBO-CROATIAN

1530-1700 15455*, 15290*, 12040**, 12000, 1548

2000-2130 1548

SLOVAK

1830-1900 15350*, 11630*, 7440*, 7400**, 7370**

SPANISH to Latin America

0000-0100 12070*, 12060, 12030*, 12010*, 11500, 9965, 9890**, 9860, 9830,
9810***, 9665*, 9480, 9470, 9450*, 7400****, 7390, 7380****, 7300**,
7260**, 7180**, 7125

0100-0200 12060, 12030*, 12010*, 11500, 9965, 9945, 9890**, 9860**, 9830,
9810*, 9470, 9450*, 7400****, 7390, 7380, 7260**

SPANISH to Spain

2130-2200 9480, 7380

SWEDISH (Mon/Wed/Fri)

1730-1800 11675*, 9820, 7300**, 1494

TURKISH

1400-1500 15515*, 12070**, 12015, 7325, 1170

URDU

1400-1500 17570, 15550, 15460, 9875*, 7305**, 972

VIETNAMESE

1200-1300 17655*, 17570, 12055**, 603

Notes:

* - from 26.03.00 till 03.09.00 ** - from 04.09.00 till 29.10.00

*** - from 26.03.00 till 23.09.00 **** - from 24.09.00 till 29.10.00

(VoR web site via WB in BC-DX #465, May 11)

Shortwave transmissions from the **Angarsk Transmitting Centre** - "Radiostation 7", A00
schedule 26.03.00-31.10.00:

kHz	Station	UTC	Language	kW	Azimuth	CIRAF	Target
6205	Vatican Radio	1610-1640	Russian	100	ND	29,30	eEU
7150	Voice of America	2200-2300	Mandarin	250	152	44	cAS
7305	Vatican Radio	2200-2245	Mandarin	250	152	43,44	cAS
9400	TWR ASIA	1130-1500	Indians	250	224	41	sAS
9655	R.Rossii	1030-1500	Russian	100	63	34,35	RUSne
9790	Voice of Russia	1000-1100	Korean	100	110	43-45	eAS/cAS
9790	Voice of Russia	1100-1200	Mandarin	100	110	43-45	eAS/cAS
9805	R.Rossii	1900-2200	Russian	100	63	34,35	RUSne
9940	WSHB	1300-1400	English	250	224	41	sAS
11500	Voice of Russia	1500-1600	English	100	180	43,44,49	c/seAS
12025	RFI Paris	0930-1030	Mandarin	500	152	33S,43E,	cAS
12025	RFI Paris	1100-1200	Laotian	500	180	49,50,54	seASn
12025	RFI Paris	1200-1300	Cambodian	500	180	49,50,54	seASn
12055	DW	2300-2345	English	500	125	43,44,49	c/seAS
13710	R.Nederland	0930-1130	English	250	152	55,58-60	AU
13720	DW	1000-1400	German	250	152	43,44	cAS
15470	DW	0900-0945	English	250	110	44,45	eAS
15470	Voice of Russia	1000-1100	Korean	250	110	44,45	eAS
15475	R.Rossii	2230-1000	Russian	100	63	34,35	RUSne
15490	Voice of Russia	0600-0900	English	1000	152	55,58-60	AU

15535 RFI Paris	2300-0100	French	500	180	49,50,54	seAS
15580 TWR ASIA	0030-0200	Indians	250	224	41	sAS
15580 Voice of Russia	1200-1400	Japanese	250	125	45	eAS
15580 TWR ASIA	0030-0200	Indians	250	224	41	sAS
15605 DW	2300-2350	Mandarin	250	180	43,44	cAS
17570 DW	2300-2350	Mandarin	500	152	43,44	cAS
21790 Voice of Russia	0500-0900	English	250	152	44,50,54	c/seAS

(Irkutsk DX Circle web page via WB, 27 May 2000)

SOUTH AFRICA: New A00 schedules for **Channel Africa** effective to 29 October 2000:

Time UTC	kHz	kW	Target Area	Language
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MORNING PROGRAMMES

0300-0325	6095	250	East & Central Africa	Swahili
0300-0330	6035	500	East & Central Africa	English
0330-0355	6035	500	Madagascar	French
0400-0430	5955	500	Southern Africa	English
0430-0455	5955	500	Northern Mozambique	Portuguese
0430-0455	3345	100	Southern Mozambique	Portuguese
0430-0455	9525	250	Central Africa	French
0500-0530	11720	500	West Africa	English
0530-0555	11720	500	Angola	Portuguese
0600-0630	15215	500	West Africa	English
0630-0655	15215	500	Angola & West Africa	Portuguese

WEEKEND PROGRAMMES

1300-1455	21725	250	West Africa	English (Sat)
1300-1455	17780	250	East & Central Africa	English (Sun)
1300-1455	11720	100	Southern Africa	English (Sat & Sun)

EVENING PROGRAMMES

1500-1530	17780	250	East & Central Africa	Swahili
1500-1530	17770	500	East & Central Africa	English
1530-1555	17770	500	Madagascar	French
1600-1630	9525	500	Southern Africa	English
1600-1630	17860	250	East & Central Africa	Swahili
1630-1655	17860	250	East & Central Africa	French
1630-1655	9525	500	Northern Mozambique	Portuguese
1630-1655	3345	100	Southern Mozambique	Portuguese
1700-1730	17860	500	West Africa	English
1730-1755	17860	500	Angola & West Africa	Portuguese
1800-1830	17870	500	West Africa	English
1830-1855	17870	500	West Africa	French

(Ch. Africa website last-modified 24 Mar 2000 via JKB)

SPAIN: The ADXB Asociacion DX Barcelona and the **European DX Council** plan to hold the 2000 EDXC Conference from October 13-15 at the Rancho Park Hotel, Castelldefels, Spain. All DXers, SW listeners, international broadcasters and other radio enthusiasts are cordially invited to attend. Castelldefels is located about 29 km south of Barcelona, quite close to the airport and with a commuter train sce to the city center. Further details will be provided in due course. Visit the EDXC Web site at <http://www.swl.net/edxc/> for details about the Council. (EDXC Newsletter, via Padula EDXP, via Cumbre, via BC-DX #465, May 12)

Radio Exterior de España - REE with their new A-00 schedule.

EUROPE

En	2000-2100	15285	Mon-Fri
	2100-2200	9840	Sat+Sun
Fr	1800-1900	9665	Mon-Fri
	2000-2100	15285	Sun

16

Ge 1730-1800 9665 Mon+Thur
Ru 1700-1730 15195 Mon-Fri
Sp 0500-0700 9710
0500-0800 12035
0800-1700 15585
1700-2300 7275
1700-2000 9665 Sat/Sun, 2000-2100 Sat

AFRICA

Ar 1700-1900 21610
1900-2100 7270 17560 Mon-Fri, 2000-2200 Sat, 2100-2200 Sun
En 2000-2100 9595 Mon-Fri, 2100-2200 Sat+Sun
Fr 1900-2000 9595 Mon-Sat, 2000-2100 Sun
1900-2000 7150 Mon-Fri
1900-2000 17560 Sat+Sun
Sefardi 1825-1855 17770 Mons only
Sp 0200-0500 9620
0500-0700 17665
0900-1500 21540 21610
1500-1700 17755 Mon-Sat
1600-1700 15385 Mon-Sat
1700-1900 17755
1900-2100 17755 Sun
2200-2300 7270
2300-0200 9620 11680

AMERICA

En 0000-0200 0500-0600 6055
Fr 2300-2400 6055
Sefardi 0115-0145 11795 Tue
0415-0445 9690 Tue
Sp 0000-0200 11680
0000-0400 6020
0000-0500 9540 9620 15160
0200-0500 6055
0200-0600 6125 9765
0800-1700 21570 Mon-Fri, 1000-1700 Sat-Sun
1000-1300 11815 21700 Mon-Fri
1100-1400 9765 15170 Mon-Fri
1200-1500 15170 Sun
1200-1600 9765 11815 Sun, 1600-2300 Sat+Sun
1200-2000 21700 Sat+Sun, 1500-1800 daily, 2000-2100 Sat
1300-1500 17595 Mon-Fri
1500-1600 17850 Sun, 1600-1700 Sat*Sun, 1700-2300 daily
1700-1900 17715
1900-2300 15110
2300-2400 9540 9620 11680 15160

ASIA

Sp 0700-0900 17770 21610 to OCE
1000-1200 9660 to JPN
1200-1400 11910 to PHL

(REE printed schedule via WB in BC-DX #465, May 2000)

TATARSTAN: "Tatarstan Awazy" (*Voice of Tatarstan*, ul. Gorkogo 15, Kazan, Tatarstan 420015, Russia) with their A00 schedule. You may address your reports to: QSL Manager, P.O.Box 134, Kazan, Tatarstan, 420136, Russia. Station asks its listeners to compensate costs of printing and posting the cards. The return postage is 1 IRC for Russia and CIS states, and 2 IRCs (or 1 US\$) for the rest of the world. Schedule valid until 29 Oct. 00:
0400-0500 11665 Far East

6095 2000 2200 VOA ENGL KAV 105
6105 0200 0300 RL RU LAM 055
6105 0300 0330 RL RU HOL 059
6105 0330 0400 RL RU HOL 059
6105 1700 1900 VOA RUSS HOL 039
6105 1900 2030 RL BR BIB 063
6110 1100 1130 BBC SPAN GA 200 12345
6110 1100 1500 VOA CHIN PHT 332
6115 0300 0400 VOA ENGL BOT 010
6115 1900 2200 RL RU HOL 059
6120 0400 0430 VOA KNKR ASC 085
6120 0500 0530 VOA HAUS SAO 000
6120 0530 0630 VOA FREN SAO 000 12345
6120 1500 1600 VOA VIET IRA 073
6125 0430 0500 VOA CROA BIB 126
6125 0500 0530 VOA ALBA MOR 059
6125 0530 0600 VOA SERB MOR 059
6130 0000 0200 VOA ENGL GA 145 23456
6130 1100 1130 BBC SPAN DL 115 12345
6130 1300 1330 BBC SPAN DL 126 12345
6130 2200 0000 RFE SC LAM 120
6135 0200 0400 BBC ENGL DL 000
6140 0100 0400 RL AB LAM 104
6145 0430 0500 VOA PORT ASC 102
6160 1100 1300 VOA ENGL PHT 200
6160 1300 1500 VOA ENGL PHT 270
6160 1500 1600 VOA ENGL PHT 270
6160 1600 1800 VOA ENGL PHT 270
6160 1900 2000 VOA ENGL BIB 105
6160 2000 2100 VOA ARAB KAV 240
6165 1000 1100 VOA ENGL GA 145
6170 0000 0100 RL KY LAM 075
6170 0200 0300 RL AR KAV 051
6170 0300 0400 RL UK LAM 075
6170 0400 0500 VOA UKRA LAM 075
6170 0500 0600 RL UK LAM 075
6175 0400 0700 BBC ENGL DL 000
6185 2330 0000 VOA BURM UDO 268
7105 0300 0400 VOA ENGL ASC 115
7105 1400 1415 BBC CROA BIB 126 12345
7105 1700 2100 VOA ARAB KAV 105
7110 1500 1600 RL RU LAM 055
7115 0100 0300 VOA ENGL IRA 334
7115 1600 1700 RFE SC BIB 126
7115 1700 1730 VOA SERB BIB 105
7115 1900 2100 RL RU LAM 075
7125 1400 1800 VOA ENGL UDO 284
7125 2130 2200 VOA KORE UDO 038
7130 2200 2230 VOA KHME IRA 073
7130 2230 2330 VOA VIET IRA 073
7135 1500 1530 VOA HAUS SAO 000
7140 0030 0100 VOA HIND IRA 356
7150 1900 2000 RL TB KAV 026
7150 2200 2300 VOA CHIN IRK 152
7155 0200 0400 RL RU KAV 051
7155 1330 1430 VOA KHME PHX 285
7155 1430 1500 VOA BURM PHX 285
7155 2300 0100 RL RU PAL 044
7165 0400 0500 RFE RO MOR 059
123456
7165 0500 0600 RFE RO BIB 108
7165 0600 0700 RFE RO BIB 108 7
7165 1800 1900 RFE RO BIB 105
7165 1900 2000 RFE BU BIB 105
712345
7165 2000 2100 RFE SC BIB 126
7170 0100 0200 RL KA LAM 055
7170 0200 0300 RL AR KAV 051
7170 0300 0400 RL TB LAM 055
7170 1700 1800 VOA ENGL PHT 150
7175 1830 1900 VOA CROA LAM 132
7175 1830 1900 VOA CROA BIB 105
7175 1900 1930 RFE KO WOF 114
7180 0330 0430 VOA KNKR SAO 100
7180 0500 0530 VOA ALBA MOR 059
7180 0530 0600 VOA SERB MOR 059
7185 0430 0500 VOA CROA MOR 059
7190 0000 0100 VOA CHIN UDO 030
7190 1800 1900 RL AZ UDO 308
7190 2200 2300 VOA CHIN UDO 030
7190 2300 0000 VOA ENGL UDO 030
7195 0500 0630 VOA ENGL MOR 172

7195 0630 0700 VOA ENGL MOR 172 67
7195 1400 1500 VOA TIBE PHT 332
7195 1500 1600 VOA VIET PHT 270
7195 1900 2000 RTG ENGL UDO 329
7200 0000 0100 VOA TIBE KAV 080
7200 2200 2300 VOA CHIN UDO 030
7200 2300 0000 VOA ENGL UDO 030
7210 0300 0330 RFE RO MOR 059 12345
7210 0430 0500 VOA CROA WOF 114
7210 2100 2130 VOA SERB BIB 126
7215 0030 0100 VOA ENGL PHX 285
7215 1300 1330 VOA VIET PHX 285
7215 1700 1800 VOA ENGL PHX 285 12345
7215 2200 0030 VOA ENGL PHX 285
7220 0200 0300 RL RU KAV 026
7220 0300 0330 RL RU HOL 059
7220 0330 0600 RL RU HOL 059
7220 1300 1400 VOA RUSS LAM 055
7220 1400 1600 RL RU LAM 055
7220 1600 1700 RL RU LAM 055
7220 1700 1900 VOA RUSS HOL 039
7220 1900 2200 RL RU HOL 059
7220 2200 0100 RL RU LAM 055
7225 2200 2330 VOA INDO UDO 154
7225 2330 0000 VOA ENGL UDO 154
7230 1230 1300 VOA LAO PHT 275
7230 2000 2200 RL RU PHT 021
7235 1300 1400 VOA KORE UDO 038
7235 1430 1515 VOA PASH UDO 308
7235 1515 1600 VOA DARI UDO 308
7235 1600 1700 VOA HIND UDO 300
7235 2000 2100 RFE LI KAV 026
7245 0000 0100 RL RU PAL 052
7245 0200 0300 RL RU PAL 052
7245 0300 0400 RL UK PAL 052
7245 0400 0500 VOA UKRA PAL 052
7245 0500 0600 RL UK PAL 052
7245 1800 1900 VOA RUSS LAM 075
7245 2100 0000 RL RU LAM 075
7255 0100 0400 RL AB LAM 108
7255 0400 0600 VOA ARAB MOR 075
7255 1500 1700 VOA CANT PHT 332
7260 0400 0500 BBC UKRA LAM 075 12345
7260 1100 1115 RTG VIET UDO 144
7260 1115 1130 RTG KHME UDO 144
7260 1130 1230 VOA INDO UDO 144
7260 1900 2000 VOA ENGL KAV 105
7260 2200 2230 VOA KHME PHT 270
7260 2230 2330 VOA VIET PHT 270
7260 2330 0000 VOA ENGL PHT 270
7265 0000 0100 VOA TIBE UDO 324
7265 0300 0400 RL AZ KAV 051
7265 0400 0500 VOA ENGL BOT 010
7265 0530 0630 VOA FREN SAO 114 12345
7265 1400 1500 VOA TIBE UDO 311
7275 0030 0100 VOA HIND KAV 105
7275 0200 0300 RL AR MOR 067
7275 0300 0500 VOA ENGL BOT 350
7280 1600 1700 VOA BANG UDO 297
7290 0300 0500 VOA ENGL SAO 100
7290 1300 1400 VOA KORE PHT 021
7290 1730 1800 VOA PORT UDO 256
7290 1800 1830 VOA PORT UDO 256 12345
7295 0000 0100 RL KY LAM 075
7295 0200 0300 RL TU LAM 075
7295 0300 0400 RL BR KAV 355
7295 1500 1630 RL BR HOL 059
7340 0300 0330 VOA ENGL BOT 010
7340 0330 0430 VOA KNKR BOT 010
7340 1830 2030 VOA FREN BOT 350
7340 2030 2100 VOA FRHA BOT 350
7340 2100 2130 VOA FREN BOT 350 12345
7340 2200 2230 VOA ENGL BOT 350 12345
7365 0300 0400 OCB SPAN GB 164
234567
7365 2300 0300 OCB SPAN GB 164
7370 0430 0500 VOA PORT GA 094
7370 0530 0630 VOA FREN GA 094 12345
7370 1200 1230 VOA SPAN DL 120
7375 1700 1800 VOA PORT BOT 350
7375 1800 1830 VOA PORT BOT 350 12345
7375 1900 2130 VOA ENGL BOT 350

7375 2130 2200 VOA ENGL BOT 350
712345
7375 2200 2230 VOA ENGL BOT 350 12345
7405 0000 0130 VOA ENGL GB 172 23456
7405 0130 0200 VOA ENGL GB 172 23456
7405 0300 0900 OCB SPAN GA 205
234567
7405 1000 1100 VOA ENGL GA 146
7405 1200 1400 OCB SPAN DL 100
7415 0430 0500 VOA PORT BOT 010
7415 0500 0530 VOA HAUS BOT 010
7415 1800 1900 VOA ENGL BOT 350
7415 1900 2130 VOA ENGL BOT 010
7415 2130 2200 VOA ENGL BOT 010
712345
7415 2200 2230 VOA ENGL BOT 010 12345
7475 0400 0600 ERT VAR KAV 105
7475 0600 0700 ERT VAR KAV 105
7475 1430 1545 ERT VAR KAV 355
7475 1600 1800 ERT VAR KAV 240
7475 1800 1845 ERT VAR KAV 355
7475 1900 1945 ERT VAR KAV 355
7475 2000 2045 ERT VAR KAV 355
7475 2300 2345 ERT VAR KAV 240
9375 0400 0600 ERT VAR KAV 105
9375 0600 0800 ERT VAR KAV 105
9375 1300 1430 ERT VAR KAV 105
9375 1430 1545 ERT VAR KAV 355
9375 1600 1800 ERT VAR KAV 240
9375 1900 1945 ERT VAR KAV 355
9380 2300 2345 ERT VAR KAV 240
9420 0000 0345 ERT VAR KAV 355
9425 2100 2245 ERT VAR KAV 105
9455 0000 0200 VOA ENGL GA 145 23456
9480 0430 0500 VOA PORT GB 091
9480 0500 0530 VOA HAUS GB 091
9480 0530 0630 VOA FREN GB 091 12345
9505 0130 0200 VOA PASH IRA 356
9505 0200 0230 VOA DARI IRA 356
9505 0530 0630 VOA FREN WOF 170 12345
9505 1300 1330 VOA VIET IRA 073
9505 1330 1430 VOA URDU UDO 300
9505 1500 1530 RFE RO WOF 102
9505 1600 1700 RFE RO WOF 075
9505 1800 1900 RFE RO MOR 059
9505 1900 2000 RL TB KAV 026
9505 2330 0000 VOA BURM IRA 057
9510 0000 0100 VOA TIBE UDO 324
9510 0430 0730 RL FA KAV 092
9515 0300 0345 BBC SPAN DL 125
9515 0345 0400 BBC SPAN DL 125 23456
9515 2300 0000 VOA SPAN GA 164
9520 0200 0400 RL RU PAL 063
9520 0400 0500 RL RU LAM 055
9520 0500 0800 RL RU HOL 057
9520 1000 1300 RL RU HOL 059
9520 1300 1400 VOA RUSS WOF 066
9520 1400 1600 RL RU WOF 066
9520 1600 1700 RL RU LAM 075
9520 1700 1900 VOA RUSS LAM 075
9520 1900 2000 RL RU LAM 075
9520 2000 0100 RL RU PAL 052
9525 1130 1200 VOA CREO GA 164 12345
9525 1900 2000 VOA ENGL PHT 150
9530 0400 0700 VOA ENGL WOF 180
9535 0300 0600 RL RU LAM 075
9535 1900 2030 RL BR BIB 063
9535 2100 2200 VOA ENGL KAV 172
9535 2200 2330 VOA INDO UDO 166
9540 1400 1500 RL AB KAV 104
9540 1500 1530 VOA HAUS SAO 020
9545 0000 0300 VOA CHIN PHT 332
9545 1200 1300 VOA CHIN TIN 303
9545 1300 1400 VOA KORE TIN 325
9545 2200 2300 VOA CHIN PHT 332
9545 2300 0000 VOA ENGL PHT 332
9550 1700 1800 VOA ENGL UDO 030 12345
9550 1700 1800 VOA ENGL UDO 154 12345
9550 1900 2000 VOA ENGL LAM 104 12345
9555 0200 0300 RL TU KAV 095
9555 0500 0600 RL UK PAL 052
9555 0730 0800 RFE SC PAL 063

15410 2130 2200 VOA ENGL MOR 148 712345	15650 2100 2245 ERT VAR KAV 095	17785 1800 1830 VOA PORT MOR 132 12345
15425 1000 1500 VOA ENGL PHX 285	15665 0900 1100 VOA CHIN SAI 300	17785 1830 2000 VOA FREN MOR 160
15425 1100 1500 VOA ENGL PHX 212	17565 1630 1700 VOA CREO GA 164	17800 1830 2000 VOA FREN GA 091
15440 1515 1600 VOA DARI IRA 356	17565 2000 2200 ERT VAR GA 164	17805 0130 0200 VOA BANG PHT 283
15445 0200 0400 RL UZ UDO 316	17630 0500 0600 VOA TIBE UDO 316	17810 0600 0800 RL RU LAM 077
15445 0600 0700 RFE BU MOR 059	17650 1100 1130 VOA ENGL BOT 010 12345	17810 0800 1000 RL RU UDO 014
15445 1600 1700 VOA ENGL BOT 010	17665 1400 1700 RL AB KAV 095	17820 0030 0100 VOA ENGL PHT 021
15445 1700 1800 VOA ENGL BOT 010	17670 1100 1200 RL KA KAV 051	17820 0100 0300 VOA ENGL PHT 270
15445 1900 2130 VOA ENGL MOR 132	17695 0800 0815 BBC RUSS LAM 077	17820 2100 0030 VOA ENGL PHT 021
15445 2130 2200 VOA ENGL MOR 132 712345	17705 1800 2200 ERT VAR DL 075	17855 0300 0430 VOA FARS IRA 332
15455 1200 1400 ERT VAR DL 075	17720 1730 1930 PBS ENGL PHT 283	17855 0700 1100 VOA CHIN PHT 349
15455 1430 1500 VOA GEOR HOL 077	17725 0300 0500 VOA ENGL IRA 271	17870 1330 1430 VOA URDU KAV 095
15495 1400 1500 RL FA KAV 095	17725 2000 2130 VOA ENGL GA 091	17870 1430 1515 VOA PASH IRA 356
15495 1500 1700 RL FA KAV 095	17725 2130 2200 VOA ENGL GA 091 712345	17875 1200 1230 VOA SPAN ASC 245
15515 0800 1000 RL RU PHT 349	17730 0500 0700 RL RU UDO 324	17885 1600 1800 RL TU UDO 311
15520 1600 1700 RL TU LAM 077	17730 0700 0800 RL RU HOL 059	17890 2300 0000 VOA SPAN DL 126
15525 0430 0730 RL FA LAM 096	17730 1000 1200 RL RU HOL 059	17895 1600 1700 VOA ENGL MOR 148
15525 1700 1800 RL TU LAM 092	17730 1200 1300 RL RU LAM 077	17895 1700 1830 VOA ENGL MOR 148
15525 1800 1830 VOA AMHA BOT 010	17730 1300 1400 RL UZ LAM 077	17895 1830 1900 VOA ENGL MOR 132
15525 1830 1845 VOA EETG BOT 010	17740 0000 0030 VOA ENGL PHT 150	18275 1400 1430 VOA ENGL GA 045 7
15525 1845 1900 VOA EEOR BOT 010 12345	17740 0030 0100 VOA ENGL PHT 150	21485 1730 1800 VOA PORT GA 094
15530 1500 1700 RL FA LAM 092	17740 0100 0300 VOA ENGL PHT 270	21485 1800 1830 VOA PORT GA 094 12345
15540 0500 0600 VOA TIBE UDO 316	17740 2100 0000 VOA ENGL PHT 150	21485 1830 2030 VOA FREN GA 094
15540 1400 1500 RL RU PAL 041	17745 1600 1700 RL GE HOL 077	21485 2030 2100 VOA FRHA GA 094
15545 1800 2100 VOA ARAB IRA 299	17745 2000 2030 VOA ENGL ASC 055	21485 2100 2130 VOA CREO DL 100
15550 1100 1130 VOA ENGL SAO 100 12345	17745 2030 2100 VOA ENGL ASC 055	21500 2100 2200 OCB SPAN DL 126
15555 1630 1730 VOA SWAH SAO 088	17755 2100 2130 VOA FREN ASC 027 12345	21540 0700 0900 VOA CHIN PHT 349
15565 1500 1630 RL BR MOR 043	17765 0000 0300 VOA CHIN PHT 349	21540 1630 1700 VOA CREO DL 100
15580 1800 2130 VOA ENGL GA 091	17770 0500 0600 VOA TIBE UDO 319	21560 0500 0600 VOA TIBE UDO 316
15580 2130 2200 VOA ENGL GA 091 712345	17780 1100 1130 VOA ENGL BOT 350 12345	21600 1100 1130 VOA ENGL SAO 100 12345
15650 0700 0800 ERT VAR KAV 095	17785 1630 1730 VOA SWAH ASC 085	21705 0700 0900 VOA CHIN UDO 030
	17785 1730 1800 VOA PORT MOR 132	21795 0530 0600 RTG1ENGL UDO 321

(IBB webpage via JKB, IBB version of 13 June 00)

WLMK Bethel is scheduled at 0400-0900 and 1700-2200 on 9465. Stations is not broadcasting on Saturdays. (BDXC 2000/5, 16 Apr 00)

YUGOSLAVIA: Radio Yugoslavia program schedule period A00 to October 29, 2000.

UTC	Language	Target	Area	kHz	kW	Azi	Day
0000 0030	English	7E,8,27	N. America/E	11870	250	310	234567
0030 0100	Serbian	7E,8,27	N. America/E	11870	250	310	1234567
0430 0500	English	6,7W,27	N. America/W	11870	250	325	1234567
1300 1430	Serbian	27-29,37-39	Europe	7200	250	0	1234567
1430 1500	Arabic	39	Arabia	11800	250	130	1234567
1500 1530	Russian	28NE,29,30	N Russia	11870	250	40	1234567
1530 1545	Hungarian	28N	Hungary	6100	250	0	1234567
1545 1600	Greek	28SE	Greece	6100	250	130	1234567
1600 1630	French	27,28W	Europe/W	9620	250	310	1234567
1630 1700	German	27,28W	Europe/W	9620	250	310	1234567
1700 1715	Albanian	28SE	Albania	6100	250	180	1234567
1715 1730	Bulgarian	28SE	Bulgaria	6100	250	130	1234567
1730 1800	Italian	27,28W	Europe/W	9620	250	310	1234567
1800 1830	Russian	28NE,29,30N	Russia	6100	250	40	1234567
1830 1900	English	27,28W	Europe/W	6100	250	310	1234567
1900 1930	Spanish	37NW	Spain	7200	250	250	1234567
1930 2030	Serbian	27,28	Europe/W	6100	250	310	7
1930 2000	Serbian	27,28	Europe/W	6100	250	310	123456
2000 2030	German	27,28W	Europe/W	6100	250	310	123456
2030 2100	French	27,28	Europe/W	6100	250	310	1234567
2100 2130	English	27,28	Europe/W	6100	250	310	1234567
2130 2200	Serbian	55S,58,59	Australia	7230	250	100	123456
2130 2230	Serbian	55S,58,59	Australia	7230	250	100	7
2200 2230	English	55S,58,59	Australia	7230	250	100	123456
2230 2300	Chinese	43,44	China	9685	250	55	1234567
2300 2330	Spanish	12,13W,14NW	S. America	9680	250	265	1234567

2330 0030 Serbian 7E,8,27 N. America/E 11870 250 310 7
 2330 2400 Serbian 7E,8,27 N. America/E 11870 250 310 123456
 1=Sun.

(R. Yugoslavia website last-modified 09 May 2000 via JKB)

Sources & Contributors:

BC-DX News Bulletin by Wolfgang W. Bueschel - Germany.
 BDXC BENELUX DX-CLUB, Meppel - Holland.
 BDXC-UK British DX Club - United Kingdom.
 CONEXION CONEXION Digital - Buenos Aires, Argentina
 DX Revue CSDXC (Czechoslovak DX Club) Bulletin - Czech Republic.
 EDXP-NET ELECTRONIC DX PRESS Messaging Network - Australia.
 HJB Dr. Hansjoerg Biener, Amberg - Germany.
 JKB Dr. Juergen Kubiak, Berlin - Germany.
 MF Michael Frese, Osnabrueck - Germany.
 WB Wolfgang W. Bueschel, Stuttgart - Germany.
 WWDXC-HQ WWDXC 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://home.snafu.de/j.kubiak/>

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WORLD RADIOCOMMUNICATION CONFERENCE CONCLUDES ON SERIES OF FAR-REACHING AGREEMENTS

Istanbul - The World Radiocommunication Conference wound up late on Friday after four weeks of tough negotiations, the results of which will provide the conditions for the industry to develop and deploy a host of sophisticated new radio-based communications systems over the next few years.

The WRC 2000 was hailed as a success because of its ability to come to grips with key and ever more complex issues particularly as the rapid growth of radio-based systems and their increasing globalization makes it ever more difficult to share in a limited resource: the radio frequency spectrum.

The WRC is the international forum where Member States come together to revise an international treaty - the Radio Regulations, which contain not only allocations to over 40 radiocommunication services but also provide the technical, operational and regulatory conditions for the use of the radio frequency spectrum and satellite orbits. It is held every two to three years with the purpose of reaching consensus on changes in the Regulations. Some landmark decisions were made at WRC-2000.

THIRD-GENERATION INTERNATIONAL MOBILE TELECOMMUNICATIONS

The additional spectrum for third-generation International Mobile Telecommunications (IMT-2000) was agreed upon, effectively giving the green light to the mobile industry worldwide to deploy confidently third-generation networks and services. IMT-2000 is intended to bring high-quality mobile multimedia telecommunications to a worldwide mass market based on a set of radio interfaces specified in the ITU standard which was agreed at the Radiocommunication Assembly held the week before the WRC.

The decision provides for three common bands, available on a global basis for countries wishing to implement the terrestrial component of IMT-2000. The agreement provides for a high degree of flexibility to allow operators to evolve towards IMT-2000 according to market and other national considerations. Making use of existing mobile and mobile-satellite frequency allocations, it does not preclude the use of these bands for other types of applications or by other services to which these bands are allocated - a key factor that enabled the consensus to be reached. While the decision of the Conference globally provides for the immediate licensing and manufacturing of IMT-2000 in the common bands, each country will decide on the timing of availability at the national level according to need. This high degree of flexibility will also enable countries to select those parts of the bands where sharing with existing services is the most suitable, taking account of existing licences.

SHARING BETWEEN GEOSTATIONARY (GSO) AND NON-GEOSTATIONARY SATELLITES (NON-GSO)

The conditions under which a new wave of non-geostationary satellites will operate have also been agreed to the satisfaction of all parties. The agreement balances the need to protect GSO networks, ensuring that GSO operators can continue to deliver the highest quality communications services from long-distance and international telephony to television and broadband Internet applications, while allowing new non-GSO systems to operate without undue constraints. The new non-GSO systems promise to deliver new 'broadband' services which have the potential to deliver Internet and multimedia applications to homes and businesses anywhere in the world. The decisions of the Conference include some limits on earth stations of GSO networks and power limits on non-GSO systems to enable their co-existence without unacceptable interference. These power limits provide a quantitative measure of what is unacceptable and defines the rules of sharing in the Ku band (10-18 GHz). As a result, both GSO and non-GSO operators have the confidence to move ahead with the deployment of their systems to provide advanced services to their customers.

BROADCASTING-SATELLITE

A new broadcasting-satellite plan for Europe, Africa and the Asia-Pacific has been adopted that can deliver direct satellite TV broadcasting signals to a growing customer base. The very divergent views on the issue were ironed out on the eve of the Conference through "quiet negotiations" among the key interested parties leading to an agreement to proceed at this Conference with the re-planning. The new Plan accords generally one orbital position per country in Europe and Africa from which an equivalent of 10 analogue channels can be delivered. For Asia and Australasia, 12 analogue channels are available per country's orbital position. The decisions of WRC-2000 secure an economic capacity for each country to take up whenever market

conditions are ripe without the fear of a shortage of spectrum in bands which are highly in demand by rapidly growing space-based systems and a host of other services.

GLOBAL POSITIONING SYSTEMS

WRC-2000 provided additional allocations for the radionavigation-satellite service which will be used to support a new satellite positioning system - Europe's Galileo - to add to the two current systems, Russia's GLONASS (Global Navigation Satellite System) and the US Global Positioning System (GPS).

As businesses and consumers alike become more dependent on global positioning in their daily lives, the new allocations were needed to ensure that the services these satellite systems provide would be possible in the future.

The additional spectrum ensures protection of the GPS and GLONASS signals and makes it possible for them to develop into second-generation more precise systems while providing room for Europe's new system. It also adds competitiveness into a highly lucrative market in full expansion which is good news to users.

HIGH-DENSITY FIXED SERVICE

Allocations for high-density fixed services (HDFS) have also been agreed. HDFS provides wireless point-to-point and point-to-multipoint technologies ranging from Fixed Wireless Access to high-speed broadband wireless systems such as Local Multipoint Distribution Service (LMDS).

Through their ability to offer cost-effective, reliable metropolitan links, HDFS seem certain to play a growing role in a wide range of applications for business customers including low-cost facilities monitoring of remote sites, cutting costs, for example, on the current way of sending staff to subscribers' premises to read gas or electricity meters for invoicing. The development of high-density fixed services is also seen as key to overcoming the risk of a local-loop bottleneck for broadband services. They can also potentially accommodate new telecoms operators aiming to gain market access in competitive environments by providing alternate technologies for upgrade of existing telephone infrastructure or for greater access and service choice for data and multimedia services.

In developing countries, it is a particularly promising technology for bridging the access gap because of the ease of installation and potentially lower costs.

A BALANCING ACT

Many times during the Conference, compromises painstakingly worked out unravelled. The delicate balance between the often imperative need to get agreement so that businesses don't miss out on market opportunities without sacrificing national interests was not always easy to achieve. It took a great deal of cooperation to accommodate the views of others. "One of the principles of negotiations is that you must limit your playing field to join the others", said a delegate. As days went by, relief and optimism

could be seen among an increasing number of delegates. In the end, delegations and corporations which had been divided on issues of critical importance for their future, overwhelmingly expressed satisfaction on the outcome of the Conference.

"With the far-reaching decisions made at this Conference, we can be confident to have made a further step forward in our goal of bringing the benefits of communications to all the world's inhabitants" ITU Secretary-General, Yoshio Utsumi told delegates at the close of the Conference.

The Conference, which began on 8 May, attracted 2037 delegates from 150 countries including 83 companies registered as part of their national delegations and 326 observers from 95 organizations (operators, manufacturers, international organizations and telecommunications-related organizations) - a 30% increase over WRC-97 and a clear indication of the importance of the decisions made at such events. Work was conducted under the chairmanship of Mr Fatih Mehmet Yurdal, Chairman of the Board of Turkey's Telecommunication Authority whose deft handling of the debates led to the successful outcome of the conference on a broad front.

Other issues addressed by the Conference included the radio astronomy services as well as aeronautical and maritime services, and due diligence and cost recovery for satellite filings. A more detailed report on the outcome and key decisions made is available from ITU's Web site at www.itu.int/newsroom. **(ITU)**



DX LOGBOOK

Logs around the clock

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

MEDIUMWAVE

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
846,0	0416	34333	I	Radiodue	ITAL	ID, TA, Italian Song	2905	HKN
1224,0	1926	44444	BUL	R. Bulgarien	ALBAN	//6000 Rep. o. NATO	3005	HKN
1485,0	0409	43433	D	SWR 4	D	TA, Song Music	2905	HKN
1512,0	0206	35444	GRC	ERA Chania	GRIECH	Fokl MX, Fem. Announcer	2805	HKN
1539,0	0450	55444	D	ERF1 Wetzlar	D	ab 05.00 ERF2, News	0306	HKN
1602,0	0452	34333	I	RAI Bozen	D	Px " Aktuell", TA,	2905	HKN

TROPICAL BANDS

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
3970,0	2117	55444	G	RKI, Skelton	E	Studentenzeitungen in KRE	2205	HKN
3975,0	2148	55444	HNG	R. Budapest	E	DX Show, Tips	2705	HKN
3985,0	1731	25322	I	Intern. Music Radio	D/E	DJ Yves aus dem Studio .	2705	HKN
4005,0	0334	45444	CVA	R. Vatikan	SLOWA	Ansprache, Lage in Eritrea	0106	HKN
4800,0	2135	32222	LSO	LNBS Maseru	VN	Lokal MX, QRM - CW	2305	ZL
4810,0	1942	35433	ARM	Stimme Armeniens	D	/9965 wirtschaft.Situation	3005	HKN
4890,0	2047	23322	PNG	NBC Port Moresby	VN	Lokal Songs, Talk	2505	ZL
5050,0	2110	33333	CHN	PBS Haixia	VN	Talk by YL, ID	2305	ZL
5360,1	0140	32432	CLA	VO the Mojahed	FARSI	ID, Polit. Reportage,//5330	0206	HKN
5745,0	0431	45433	USA	WHRI, South Bend	E	Sermon von einem Mann	2105	HKN
5825,0	0743	25433	USA	WEWN, Birmingham	E	Relig. Px, Talk ü. Kirche	2404	HKN
5883,0	0425	54444	CVA	R. Vatikan	D	News der kathol. Kirche	2105	HKN
5905,0	2035	44333	UKR	R. Ukraine Intern.	D	Magazin, Folklore Lieder	2405	HKN

SHORTWAVE

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
5910,0	1850	55444	BEL	R. Vlaanderen Inter	HOLL	WX //9925+ //13710 (D)	3005	HKN
5910,0	0340	25422	RUS	R. Rossii, Moskau	R	/ 11980 Talk, Hörspiel c/d	2905	HKN
5925,0	0325	45433	AFS	RFI, Meyerton	F	ID, Politisches Magazin	2005	HKN
5945,0	2022	45444	AUT	ROI Wien	D	DX Telegramm, Nr. 1001	2605	HKN
5950,0	0420	45444	USA	RTI via WYFR	C	IID, Pop Music, Magazin	2105	HKN
5955,0	0421	24322	AFS	Channel Africa	E	Rep. o. Sambia + Uganda	2005	HKN
5965,0	0344	34333	CUB	R. Havanna	S	ID, political talks	3105	HKN
5965,0	0415	34433	GRC	VOA, Kavala	A	Polit.Rep. o. Simbabwe	2005	HKN
5965,0	0127	32322	OMA	BBC Relais	E	// 11955ID, Jingle news	2405	HKN
5965,0	0310	34322	SWZ	TWR, Manzini	SWAHIL	Sermon, Adress c/d 03.30	1905	HKN
5975,0	0410	34433	ATG	BBC, Antigua	E	China / Taiwan Konflikte	2005	HKN
5975,0	0500	45444	G	NHK, Skelton	E	ID, IS, news,Asia //7230	0406	HKN

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
5975,0	0415	43433	I	RAI Rom	ITAL	S/on, IS, Journal de Italia	2105	HKN
6000,0	2021	44333	BUL	R. Bulgarien	GRIECH	Magazin, Song MX,ID	2405	HKN
6000,0	2059	44333	BUL	R. Bulgarien, Plovdiv	SERBI	Song Mxk, ID, //1224	3005	HKN
6000,0	0120	44444	CUB	R. Havanna	E	Interview m. Kuba Tourist	2405	HKN
6000,0	0358	44444	D	R. Liberty, Holzkirchen	R	S/on, IS, ID, News,Kosovo	2005	HKN
6000,0	0350	54444	E	R. Liberty, Playa dPals	R	Polit. Magazin, c/d 03.55	2005	HKN
6015,0	0318	45433	AFS	AWR, Meyerton	E	Sermon,Adr., ISc/d 03.30	2505	HKN
6015,0	1637	55444	D	R. Santec, Jülich	D	Der innerliche Weg c/d 16.59	2305	HKN
6020,0	0342	35433	CTR	REE, Cariari	S	//8125 (CTR) Studiotalk	2005	HKN
6025,0	0355	45444	HNG	R. Budapest	???	DX Programm, Tips (Do)	0106	HKN
6034,9	0236	24333	CLM	LV del Guaviare	S	Lieder, ID, Announcer	2305	HKN
6035,0	0313	34333	AFS	Channel Africa	E	ID, Korrespondenten Rep	2005	HKN
6035,0	0330	34333	AFS	Channel Africa	F	ID, Trommeln, News	1905	HKN
6035,0	2013	42332	STP	VOA Relais	E	//11855 (ASC) Polit-Talk	2405	HKN
6040,0	0228	24333	B	R. Clube Paranaense	P	Sportreportage, Fußball	2305	HKN
6050,0	0320	33433	AFS	BBC, Meyerton	SWAHIL	ID, Magazin, Afrika Talk	2005	HKN
6050,0	0221	34333	EQA	HCJB, Pifo	S	Sozial Problem/ Bolivien	2305	HKN
6050,0	2041	45444	G	BBC, Rampisham	E	BBC English by Radio,	2405	HKN
6075,0	0307	55444	D	Deutsche Welle	D	Rep.o.Enschede /NL	2005	HKN
6095,0	2008	44444	GRC	VOA, Kavala	E	VOA News, Jingle, ID,	2405	HKN
6100,0	0301	42332	ALB	R. Tirana, Cerrik	ALBAN	S/on, ID, News, QRM DW	2005	HKN
6100,0	2000	54444	BIH	R. Jugoslawien	D	Nachrichten, NATO	2405	HKN
6100,0	2050	54444	BIH	R. Jugoslawien	F	Polit Rep, Präsidenten,	3005	HKN
6105,0	2042	43333	JOR	R. Jordan, Amman	A	//9830 Polit.Rep o. Libyen	3005	HKN
6110,0	1835	44444	D	Swiss Radio, Jülich	F	ID, Jingle, Polit. Magazin	3005	HKN
6115,0	0251	55444	ALB	R. Tirana	E	Song Music, Talk	2005	HKN
6120,0	0245	34433	FIN	R. Finnland	R	ID, Report about NATO	2005	HKN
6125,0	0232	44333	CTR	REE, Cariari	S	ID, spanische Folklore	2005	HKN
6135,1	2155	34333	B	R. Aparecida	P	Brasil. MX, ID, Jingles	2205	HKN
6145,0	2004	53443	G	RKI, Skelton	D	Nachrichten, Kommentar	2205	HKN
6150,0	2030	43333	F	CRI Beijing, Issoudun	BULGAR	IS, ID, Nachrichten	3005	HKN
6155,0	2055	54444	AUT	ROI Wien	S	DXNews from Mid East	3105	HKN
6155,0	2346	55444	AUT	ROI Wien	ESPERA	Interview mit Budapest	1405	HKN
6155,0	0130	45444	G	RTE Dublin, Rampisham	E	ID, Korrespondenten	2405	HKN
6160,0	1920	52443	D	VOA, Biblis	E	Business, ID //1197	3005	HKN
6165,0	0219	45433	ATN	R. Nederland, Bonaire	S	DX Programm, Tips, ID	2005	HKN
6165,0	2144	44333	TCD	RN Tchadienne	F	Folkl.Mx Gruppen, ID	2205	HKN
6165,0	2120	35433	ZMB	ZNBC Lusaka	E	Afrikan. Folklore, ID	2405	HKN
6175,0	0052	45444	CAN	BBC, Montreal	E	Britische Top Ten, ID, Hit	2405	HKN
6175,0	1940	44444	G	RTI, Skelton	D	ID, Wirtschaftsrep	2405	HKN
6185,0	0320	45444	CVA	R. Vatikan	BELAR	IS, ID, News	0106	HKN
6190,0	0400	24322	AFS	BBC, Meyerton	E	TS, ID, Worldnews //7120	2405	HKN
6190,0	2113	32432	PHL	R. Veritas Asia	MANDA	Relig.Px, QRM/DLR	2405	HKN
6200,0	0713	25322	PIR	B.B.M.S.	E	ID, englische Pop Music	2105	HKN
6234,9	1618	35444	ALB	TWR, Cerrik	TSCHE	Sermon, // 7355,0 O = 4	2305	HKN
6240,0	2012	45444	ALB	TWR, Cerrik	A	// 7335 instrum. Music,	2205	HKN
6240,0	0045	45444	ARM	TWR, Erevan	KOREA.	IS, ID, Sermon, Adr./ ERF	2405	HKN
6248,0	2147	23322	GNE	R. Nacional, Malabo	S	Sehr selten zu hören!!, Polit. Rep.von Mann/Frau	2405	HKN
6265,0	2055	35333	ZMB	ZNBC Lusaka	VN	Lokal MX, News	2405	HKN
6280,1	0130	43433	CLA	VO the Mojahed	FARSI	Rep. o. Afghanistan + Iran	2005	HKN

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
6300,0	2100	25333	TWN	WYFR Relais	MANDA	S/on, IS, Begrüßung,Adr.	2405	HKH
6315,0	1805	24322	ETH	VO the Tigray Revolution, Mekele	TIGRI	Folklore Songs, Politische Meldungen //5500	0106	HKH
6315,0	1914	34433	ETH	VO the Tigray Revolution, Mekele	TIGRI	Folklore Music, Politische Bericht //5500,0	2405	HKH
6480,0	1809	35433	KOR	R. Korea Intern.	D	Px Vorschau, 7275 kHz ist nichts zu hören - REE Madrid	0106	HKH
6480,0	1920	45433	KOR	R. Korea Intern.	A	Magazin, ID, Sprachkurs	2405	HKH
6520,0	1925	34333	KRE	R. Pyongyang	F	Revolutionäre Music, ID	2405	HKH
6575,0	1835	25433	KRE	R. Pyongyang	S	Polit. Report über China, USA	0206	HKH
6575,0	1931	35433	KRE	R. Pyongyang	E	ID, Report about Pakistan	2405	HKH
6693,0	0102	35444	RUS	Syktyvkar VOLMET	R	Wetterbericht	2305	HKH
6895,0	0139	45444	ISR	Galei Zahal	HEBRE	Lokal Mx, phone-in, talks	2005	HKH
6895,6	0110	45444	ISR	Galei Zahal	HEBRE	PopMX, ID, TA	2505	HKH
6956,6	0146	25433	PRU	LV del Campesino	S	ID, TA, LA MX,	2005	HKH
6970,0	0100	34333	CTR	RfPI	E	Mailback, QSL = 3 IRC	2503	HKH
6970,0	2345	35433	CTR	UN Radio via RfPI	E	spezielle QSL, Adr. USA	2405	HKH
6995,1	1813	35433	CLA	VO the People of Kurdistan	KURDI	Politische rede über Demokratie, NATO, Iran	0106	HKH
7087,8	0113	34333	AFG	Voice of Sharia	DARI	Sprecher, Folklore, sendet im 40 m AFU Band!!	2905	HKH
7120,0	0831	35433	I	International Music Radio via IRRS Milano	E/D	"This is IMR – music for Europe", DJ Yves,	2805	HKH
7120,0	0831	35444	I	R. Easts. via IRRS	D	Madonna MX, Fotos, Adr.	2105	HKH
7120,0	0831	45444	I	International Music R.	D	ID, Greetings, DJ Yves, Pop	2005	HKH
7175,0	0455	24333	I	RAI, Caltanissetta	ITAL	Music von Tina Turner,	2705	HKH
7210,0	2048	45444	BLR	R. Minsk	D	Folkl.Mx (Mi) //7105 = 2	2405	HKH
7220,0	1250	45444	HNG	R. Budapest	D	ID, Greetings, Folkl MX	0406	HKH
7230,0	0210	55444	SVK	R. Slowakei Intern.	F	Nachrichten, ID, History	0206	HKH
7250,0	0423	44444	CVA	R. Vatikan	D	Donnerstag im Vatikan	0106	HKH
7290,0	0502	55444	G	R. Canada Intern.	E	CBC News, Streik in CAN	2705	HKH
7305,0	2355	45444	CVA	R. Vatikan	VIETN	ID, PX talk, IS, c/d 00.00	2405	HKH
7305,0	1859	44444	F	CRI Beijing, Issoudun	ALBAN	Um 18.59 IS, ID, Talk	3005	HKH
7315,0	0220	33433	USA	WHRI, South Bend	E	Relig. Px, Sermon	0206	HKH
7335,0	0056	25333	CAN	CHU, Ottawa	E	TS, jede volle Minute, TS	3105	HKH
7345,0	2000	44333	ALB	TWR, Relais	A	// 6240, Zypern, relig. Px	2305	HKH
7365,0	0052	44333	USA	R. Marti	S	Spanische Song Music,	3105	HKH
7375,0	0158	25433	CTR	Dr. Gene Scott, Cahuita	E	ID //5030,1 + 6150,0	2605	HKH
7405,0	0148	45444	USA	VOA, Delano CA	E	Hörerfragen, slow english	2605	HKH
7415,0	0124	34433	USA	WBCQ, Maine	E	Brother Stair, phone-in,	2305	HKH
7415,0	0446	33433	USA	The Overcomer/WBCQ	E	Brother Stair, Sermon	2005	HKH
7440,0	0155	33433	CLA	VO the Mojahed	FARSI	Polit.Rep, Jamming	2805	HKH
7460,6	0046	45444	MRC	RTM, Rabat	A	//11920,0 Arab.Folklore,	3105	HKH
7470,9	2157	35333	ALG	LV del Sahara Libre	A	Talk o. Israel, TS, Jingle,	2605	HKH
7490,0	0158	25433	USA	WJCR, Upton	E	Country Music, Gospel	2805	HKH
7500,0	2004	55444	BUL	R. Bulgarien	BULGAR	ID, Nachrichten	3105	HKH
7505,2	2113	24333	KRE	R. Pyongyang	S	Folklore, korean. Chöre	3105	HKH
7510,0	0242	35333	USA	KTBN, Salt Lake City	E	Beifall, Hörer, Gospelsong	0206	HKH
7520,0	0150	55444	USA	RTI via WYFR	C	Traditionelle Music, ID	2405	HKH
9330,0	0436	24333	USA	WBCQ, Maine	E	The Overcomer Sermon	2905	HKH

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
9335,1	2134	25333	KRE	R. Pyongyang	S	Rep. ü. China, klass. MX	3105	HKN
9365,0	0129	44444	ARM	R. Free Asia, Gavar	TIBET	Polit.Rep o.Angola/ 15695	2905	HKN
9370,0	0254	45444	USA	WTJC, Newport	E	Gospelsänger, ID, Px, News	0206	HKN
9400,0	0200	45444	BUL	R. Bulgarien	E	IS, QRG, News //11700	2505	HKN
9495,0	0241	34333	S	R. Schweden	E	Polit.Magazin,Adr. PopMx	2505	HKN
9505,0	0215	25422	USA	WYFR, Oakland	E	// 6065 O = 4 IS, Sermon	2305	HKN
9525,0	1235	45444	POL	R. Polonia	E	Listeners mailback (So)	0406	HKN
9535,0	0302	34333	CAN	DW, Montreal	E	News, ID //11810 (CAN)	0206	HKN
9550,0	0427	43333	CUB	R. Havanna	S	IS, ID, Px ,QRG,News	2905	HKN
9560,0	0413	43433	CAN	CRI Beijing, Montreal	E	News//9730 (GUF) O = 4	2505	HKN
9560,0	0530	45444	FIN	R. Finnland	D	ID, Nachrichten, Börse,	0306	HKN
9605,0	0306	45433	CVA	R. Vatikan	E	Bericht o. Katholikentag	0206	HKN
9630,0	1500	43433	FIN	Radio Extra via YLE	SCHWE	HomeserviceFM4 –Radio	0406	HKN
9655,0	0010	35433	AUT	ROI Wien	D	Ö-Journal, EU Sanktionen	2405	HKN
9675,0	2110	45444	G	World Beacon	E	ID"this is our african servic"	2606	HKN
9695,0	0141	45433	CAN	VO Vietnam, Montreal	VIETN	ID, Polit.Report Singapore	2405	HKN
9745,0	0420	43433	EQA	HCJB, Pifo	E	Rep. o. Quito Mountens	2505	HKN
9795,0	0344	35444	CAN	VO Vietnam, Montreal	E	Invest.aus den Ausland,	2505	HKN
9815,0	1220	33333	ISR	KOL Israel	A	Talk by YL, 1230 TS	2305	ZL
9870,0	0016	34333	AUT	ROI Wien	D	Jazzhouse Österreich,	2405	HKN
9930,0	0116	25433	USA	WBCQ, Maine	E	Px : Christian Media Netw	2305	HKN
11615,0	0134	24333	CZE	R. Prag	TSCHE	ID, SAm Service //7345	2505	HKN
11620,0	0140	35444	IND	AIR - Bangalore	URDU	Instrum.e indische Music	2505	HKN
11635,0	0146	35333	NOR	R. Danmark	DÄNI	ID, Politik, Px to Amerika	2505	HKN
11700,0	0154	35433	BUL	R. Bulgarien	S	Volkschöre, IS, SAm Serv	2505	HKN
11710,0	0200	34333	ARG	RAE Buenos Aires	E	ID, Jingle, News	2405	HKN
11710,0	1113	45444	G	NHK Relais	D	Hörerpost am Sonntag	2105	HKN
11740,0	0208	25322	USA	RTI via WYFR	E	Nachrichten // 5950 (USA)	2405	HKN
11745,0	0206	35444	CHL	Voz Cristiana	S	Famaly PX, Rep.ü. CLM	2505	HKN
11760,0	0211	34333	OMA	BBC Relais	E	Rep.Libanon/Israel /11955	2505	HKN
11815,0	0217	25322	B	R. Brasil Central	P	Sportreportage,LiveRep	2505	HKN
11875,0	0500	45444	EQA	HCJB, Pifo	D	Rep. o. Galapagos Inseln	0206	HKN
11905,0	1935	45433	UZB	R. Tashkent, Tashkent	F	IS, QRG talk, PX Talk	3005	HKN
11980,0	0354	44444	RUS	R. Rossii, Moskau	R	// 5910 Hörspiel, ID,	2905	HKN
11985,0	1757	32432	D	VO Hope, Jülich	E	kurze ID um 18.00 UTC	2605	HKN
12025,0	0401	25433	RUS	R. Rossii, Tbilisskaja	R	News, ID,Korrespond.Rep.	2905	HKN
12080,0	0430	25322	AFS	AWR, Meyerton	TIGRINY	S/on, IS, ID, instrum. MX	2505	HKN
12105,0	2016	45433	AFS	AWR, Meyerton	AMHAR	New seit dem 30. April,	2205	HKN
12110,0	0230	25333	GRC	VO Greece	GRIECH	Folkl MX //9420	2505	HKN
13670,0	0140	35333	CAN	RCI, Sackville	E	ID, Mailback, DX - PX	1505	HKN
13730,0	0736	25422	AUT	ROI Wien	D	das Computer Magazin	2105	HKN
15049,0	0305	25422	CTR	RfPI	E	World of radio, G.Hauser	2605	HKN
15049,2	0440	25433	CTR	RfPI	E	Px"Voice of Vision"/ 6970	2105	HKN
15075,0	0352	35433	IND	AIR Bangalore	Hindi	Studiotalk, Folklore, Px	2705	HKN
15160,0	0128	25433	E	REE, Noblejas	S	ID, spanische Folklore Mx	2505	HKN
15200,0	1055	23232	UZB	R. Tashkent	VN	Lokal MX, Talk, ID?	2305	ZL
15215,0	0409	25433	D	R. Canada Intern.	E	News, Spectrum //11975	2505	HKN
15355,0	0505	35444	GAB	NHK, Moyabi	S	ID, Nachrichten, Internet	0406	HKN
15400,0	0330	45444	UAE	RCTV Dubai	E	News Bulletin, Wetter,	2505	HKN
15535,0	1139	34333	SEY	Feba Radio	A	Rel. PX, Pray the lord	2305	ZL
15685,0	1144	33333	USA	WWCR	E	Rel.MX, ID, Talk	2305	ZL

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
21460,0	1425	25433	D	VO Hope, Jülich	E	New!! Px from Libanon	2605	HKN

OVERSEAS LOGBOOK

With loogings from Canada and USA

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
6055,0	0517	45333	E	REE Madrid	E	PX „Radio Waves“	2304	RL
7195,0	2122	22222	ROU	RRI Bukarest	E	Rep. by OM	2104	MH
7344,0	0326	53333	USA	R. Prag (Realis)	E	Mailbox //7385	2204	RL
7385,0	0458	35333	USA	WRMI	E	Sream of Butterfly	2304	RL
9420,0	1932	33333	GRC	V. o. Greece	VN	Folkl MX, Talk	1604	MH
9460,0	1833	34433	TUR	V. o. Türkei	VN	Rep. by OM, Folkl MX	1604	MH
9495,0	0330	54444	S	RSI Stockholm	E	Spectrum of the Art	2304	RL
9570,0	1343	43333	KOR	RKI Seoul	E	PX „Multiwave Feedback“	2304	RL
9655,0	0137	55444	AUT	R. Austria Inter	E	PX Mail Room“	2304	RL
9760,0	1956	33333	MRC	V o A (RELAIS)	E	MX, Feqency Tips	1604	MH
9770,0	1956	22222	GRC	V o A (RELAIS)	E	News of Mali, QRG-Talk	1604	MH
9930,0	1406	24433	HWI	R. Free Asia (RELAIS)	VIETN.	Rep. by OM, Lokal MX	2104	MH
11650,0	1451	55333	AUS	R. Australia	E	Dimenions Radio USA	2204	RL
11655,0	0319	54333	TUR	V. o. Türkei	E	PX „DX – Corner“	2304	RL
11700,0	0242	55333	BUL	R. Bulgarien	E	AM R. Bulagaria Calling	2304	RL
11845,0	2146	43333	FNL	R. Finnland	VN	Talk by 2 OM's	2104	MH
11945,0	1503	43333	MRA	R. Free Asia (RELAIS)	VIETN.	//13690, 15660, ID	2104	MH
11975,0	1956	24442	STP	V o A (RELAIS)	E	Frequency Talk	1604	MH
13610,0	2034	44444	SYR	R. Damascus	E	WX in Syr. , //12085	1604	MH
13625,0	1912	23333	POR	R. diff. Portugal	VN	Rep. by OM, //17680	1604	MH
15565,0	0419	44333	BEL	R. Vlaanderen Inter	E	Bruessels 1043	0105	RL
15590,0	2213	55555	USA	KTBN	E	Telefontalk, ID	1604	MH
15787,0	1312	23333	ISR	R. Galei Zahal	HEBR	Talk, MX	2104	MH
17590,0	1744	34333	???	R. Vlaanderen Inter	E	No Relais Bonaire,	3004	RL
17865,0	1520	33333	AUT	R. Austria Inter	E	Postbox	2304	RL
21820,0	1238	55555	AUS	R. Australia	E	//11650,9580, 6020	2104	MH

Thanks a lot for your contribution :

- HKN : Hans-Joachim Koch, Niddatal, FRG–AOR AR7030, 20m Lw, window antenna.
 MH : Mark Humenyk, Weston, Ontario, CAN – Magnavox D2935 w/Alpha Delta DX-SWL sloper.
 RL : Richard Lemke, St Albert, Alberta, CAN – JRC NRD-535 HF w/random longwires.
 WBS : Wolfgang Büschel, Stuttgart, FRG – AOR AR7030, Sony ICF2010, Kenwood R1000, Drake SPR-4 and 12m longwire, YAESU FRT7700 antenna tuner.
 ZL : Zacharias Liangas,Thessaloniki, GREECE, LOWE HF150, Sony ICF7600D, Yupiteru MVT7100

Many thanks for your logs. Please take care that you include all details for your logs: frequency, time, reception quality (either by SINPO code or in words), station, language, programme details and date. Please understand that I can only publish logs with all these details.

73's from your editor,

Eberhard Ahl



(continued from DX MAGAZINE 5/2000)

QSL CORNER

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

Country	Station	Time	QSL	ORG	Remarks	OM
Romania	Radio Romania	73 d	C	15.390		MH
Romania	Radio Romania	51-88d	C	6.155	v/s, F.Pochinou	MH
Romania	Radio Romania	49 d	C	11.830	v/s, F.Dochinou.	MH
Romania	Radio Romania	120 d	C	15.390		MH
Romania	Radio Romania	66-78d	C	17.720		MH
Russia	Voice of Russia	70 d	C	11.675		MH
Russia	R.Netherlands Relay	24d	C	17580		MH
Singapore	Radio Netherlands	25 d	C	6.120		MH
Slovakia	AWR-Europe	22 d	c	13.680		MH
Spain	REE/ RL Relay	44 d	L	9.520	V/s, David Walcutt.	MH
Spain	REE	36 d	L	21.700	Audience Relations for Ree.	MH
Spain	CRI	32 d	C	9.690		MH
Sri Lanka	VOA, Relay.	58 d	C	9.645		MH
St. Helena	Radio St. Helena	192 d	C	11.092	v/s, Derek Richard.	MH
Sweden	Radio Sweden	10 d	C	9.495	v/s, CIR ADLIR.	MH
Sweden	Radio Sweden	17-47d	C	9.440		MH
Sweden	Radio Sweden	15 d	C	9.495		MH
Sweden	Radio Sweden	16-18 d	C	15.240	v/s, C.Adler	MH
Syria	Radio Damascus	387 d	C	9.950	Also on 12085, 13610 Khz	MH
Syria	Radio Damascus	109 d	C	12095		MH
Turkey	Voice of Turkey	87 d	C	17.815		MH
Turkey	Voice of Turkey	44-68d	C	6.010		MH
USA	WHRI	80 d	C	15.105	v/s, Loren Holycross.	MH
USA	WJCR	27 d	C	13595	v/s, Gerri Powell.	MH
USA	WHRA	179 d	C	15460	v/s, Mr Loren Holycross.	MH
USA	WRMI	16 d	L	9.955	v/s, Jeff White.	MH
USA	KJES	64 d	C	11.715		MH
USA	WHRA	113 d	C	17.650	v/s, Loren Holycross.	MH
USA	VOA	56 d	C	17.725		MH
USA-Pirate	WLIS	108 d	L	6.955	v/s, Charles Poltz	MH
Uzbekistan	R.Netherlands Relay	23 d	C	12.075		MH
Vatican City	Vatican Radio	84 d	C	9.660		MH
Vatican City	Vatican Radio	49 d	C	17.510		MH
Yemen	Radio Sana'a	58 d	C	9.870	V/s Altashi Ali, Country No. 138	MH

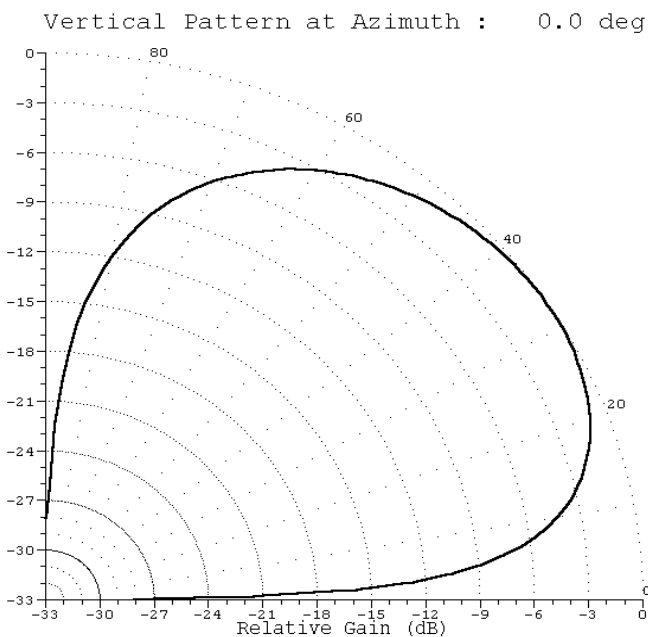
Thanks to our Reporter:

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

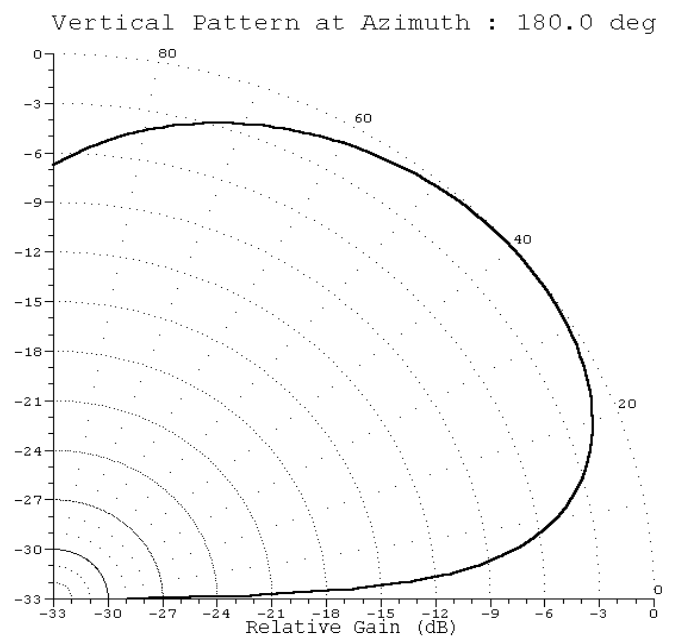
☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆

SW Reception - Is your receiver's telescopic build-in antenna a simple one? Part 2

In the first part of investigation we saw that a telescopic receiver's build-in antenna with 45° slope has a directional characteristic, shown by azimuthal diagrams. But very useful are also vertical diagrams of an antenna. Imagine this: you are the antenna and take a look to one azimuthal direction. Now your eyes look straight to the horizon (0° elevation, see picture in part 1) and then raise your head from 0° rees elevation up 90° rees elevation (then you look direct to the sky right over you). Take a sheet of paper and "draw what you see", moving your head up to the sky above you, you will get the vertical characteristic of your antenna. A vertical (90° slope) telescopic antenna has a maximum of sensitivity at about 30° to 35° of elevation, see diagram no. 3. The vertical characteristic is independent of the azimuthal angle, so the same to all directions. A telescopic antenna with a slope of 45° has not the same vertical characteristic to all azimuthal directions, because in part one we considered a directional behavior. But how is the vertical characteristic in detail? The answer we get from the diagrams no. 4 (forward direction) and no. 5 (backward direction). In forward direction the maximum of sensitivity is at about 40° elevation. But it is not a sharp one and this is a



Vertical diagram no. 3 - antenna slope 90°

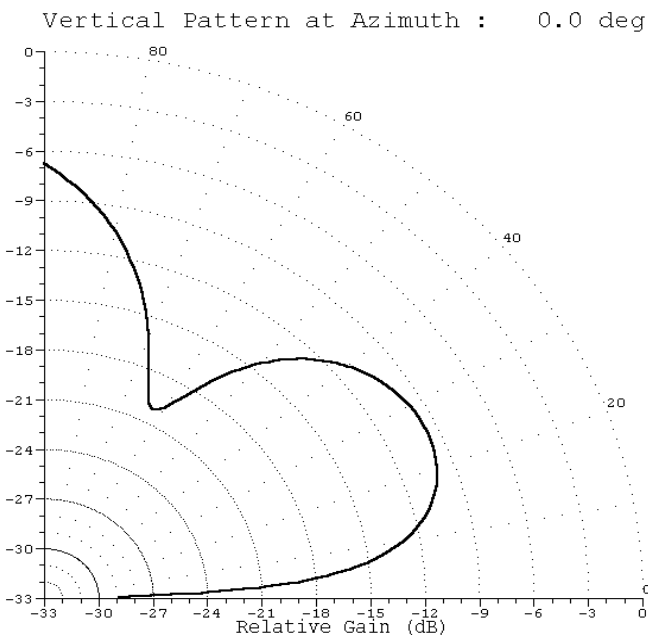


Vertical diagram no. 4 - antenna slope 45°
(forward direction)

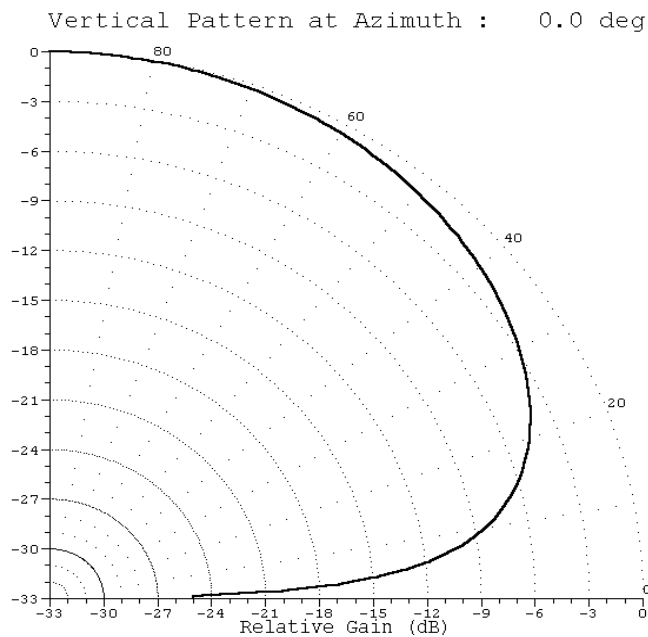
very good fact, because waves reflecting from the ionosphere don't reach the receiver at one sharp elevation angle.

In (azimuthal) backward direction our 45° slope build-in antenna is less sensitive. This fact will demonstrate diagram no. 5, with a minimum of sensitivity at 62° elevation and one maximum at 25° elevation and another at 90° , both angles are not the main reflecting angles of reflecting waves reaching your receiver (e.g. at 90° elevation, your receiver location and transmitter location are the same). By the way, why it is not a good idea to have a slope of 0° of your telescopic antenna? Because most sensitivity is at 90° elevation, shown at diagram no. 6.

If your antenna is a directional one like our 45° slope telescopic, you have to investigate azimuthal and vertical diagrams not only to the forward (maximum) and backward (minimum) direction. To do this, there are too many diagrams for each direction. But there is another useful type of diagram: the Sanson-Flamsteed projection, you will also get by the ITS HF propagation prediction software (URL <http://elbert.its.bldrdoc.gov/hf.html>). The Sanson-Flamsteed projection is like a fisheye: you will look without moving the head from 0 degrees ground up to 90 degrees in the sky and also 90 degrees to the right and to the left. So take a look to the Sanson-Flamsteed forward projection of our telescopic receivers build-in antenna with 45° slope, diagram no. 7. It is not necessary to have an exact azimuthal angle directed to transmitter location, because there is a broad maximum of sensitivity to the right and to the left.



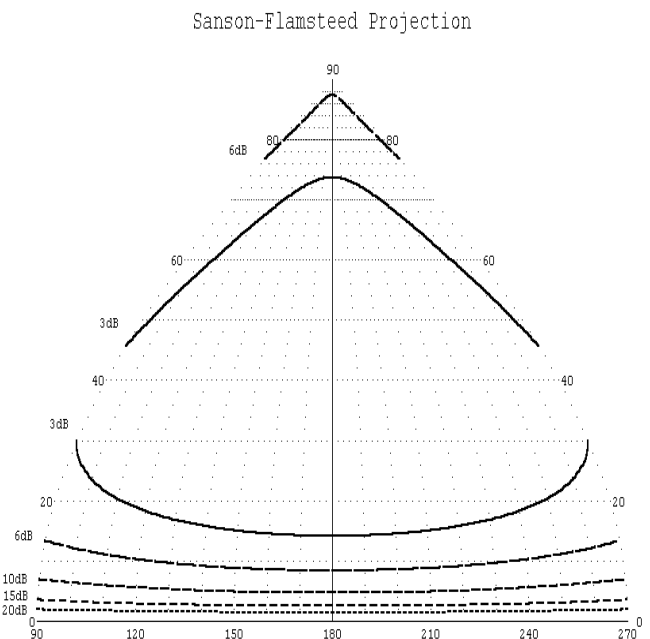
Vertical diagram no. 5 - antenna slope 45°
(backward direction)



Vertical diagram no. 6 - antenna slope 0°

All diagrams shown here are calculated at 10 MHz, and the length of antenna is 0.5 m. Same data was used in part 1, and next time we investigate frequency and length dependency of the telescopic antenna, so part 3 will follow.

(JKB - j.kubiak@gmx.net)



Sanson Flamsteed diagram no. 7 - antenna slope 45° (forward direction)