

**BRITISH DX CLUB**  
**UNITED KINGDOM**  
**ON SHORTWAVE**



**featuring**  
**B-18 shortwave schedule for Woofferton**  
**B-18 worldwide schedule for BBC World Service**  
**Reflections on the BBC transmitter site at Woofferton**  
**Focus on the BBC at Woofferton**

**February 2019**

# United Kingdom on Shortwave

## Transmissions from Woofferton (Shropshire) 02.43W 52.19N

The Woofferton Transmitting Station is located about three miles south-south west of Ludlow in Shropshire, near to the Shropshire-Herefordshire border. It is owned and operated by Encompass Digital Media (who acquired Babcock Media Services in 2018). The site consists of six 250 kW and four 300 kW shortwave transmitters. It is the last remaining shortwave transmitter site in the United Kingdom following the closure of Rampisham and Skelton.

### Woofferton schedule for the B-18 season effective 28 October 2018 to 30 March 2019

Time/UTC	Days	Station	Language	Target	kHz	kW (Azi)
0000-0100	Daily	BBC	English	South Asia	5875	250 (090°)
0030-0100	Daily	BBC	Dari	West Asia	7445	250 (086°)
0100-0130	Daily	BBC	Hindi	South Asia	6100	300 (075°)
0100-0130	Daily	BBC	Hindi	South Asia	7430	300 (082°)
0100-0130	Daily	BBC	Pashto	West Asia	7445	250 (086°)
0130-0200	Daily	BBC	Dari	West Asia	7445	250 (086°)
0200-0230	Daily	BBC	Pashto	West Asia	7445	250 (086°)
0230-0300	Daily	BBC	Dari	West Asia	7445	250 (086°)
0230-0330	Daily	BBC	Persian	West Asia	6095	250 (090°)
0300-0400	Daily	BBC	Arabic	North Africa	5875	250 (140°)
0400-0500	Daily	BBC	Arabic	North Africa	5875	250 (140°)
0500-0600	Daily	BBC	English	West Africa	5875	200 (180°)
0500-0600	Daily	BBC	English	Central Africa	7345	250 (158°)
0529-0600	Daily	BBC	Hausa	West Africa	5975	300 (160°)
0559-0700	Daily	BBC (DRM)	English	Europe	3955	100 (114°)
0600-0629	Daily	BBC	French	North Africa	6135	300 (172°)
0600-0629	Daily	BBC	French	North Africa	7265	250 (170°)
0600-0700	Daily	BBC	English	West Africa	7325	250 (180°)
0700-0800	Daily	KBS World Radio	Korean	Europe	6045	250 (102°)
0700-0800	Daily	Radio Ndarason Int.	Kanuri	West Africa	13810	250 (165°)
0800-0830	Daily	IBRA Radio	Arabic	Middle East	15260	250 (107°)
1200-1230	Daily	BBC	French	North Africa	15490	250 (170°)
1400-1500	Daily	Voice of America	Kurdish	Middle East	15600	250 (102°)
1430-1500	Daily	Radio Ashna (VOA)	Pashto	West Asia	13860	300 (075°)
1500-1630	Daily	Radio Ashna (VOA)	Dari	West Asia	13860	300 (075°)
1600-1800	Daily	Voice of America	Somali	Horn of Africa	11610	250 (126°)
1630-1700	Daily	Voice of America	English	North-East Africa	13865	300 (135°)
1700-1800	Daily	IBRA Radio	Arabic	Middle East	9775	250 (105°)
1700-1900	Daily	Deewa Radio (VOA)	Pashto	West Asia	9820	300 (075°)
1730-1800	Mon-Fri	Voice of America	Oromo	Horn of Africa	9485	300 (126°)
1730-1900	Daily	IBRA Radio	Arabic	North-East Africa	9635	250 (140°)
1800-1830	Daily	BBC	French	North Africa	7265	300 (170°)
1800-1900	Daily	KBS World Radio	Russian	Russia	6040	250 (066°)
1800-1900	Daily	KBS World Radio	Russian	Russia	7235	250 (066°)
1800-1900	Daily	Voice of America	Amharic	Horn of Africa	9485	300 (126°)
1800-1900	Daily	BBC	English	West Africa	9915	200 (170°)
1830-1900	Sun	Follow the Bible Ministry	Arabic	North Africa	6180	300 (114°)
1900-1930	Mon-Fri	Voice of America	Tigrinya	Horn of Africa	9485	300 (126°)
1900-2000	Daily	Radio Taiwan Int.	German	Europe	3955	250 (114°)
1900-2100	Daily	BBC	English	West Africa	5875	250 (172°)
1930-2000	Daily	BBC	Hausa	West Africa	9545	300 (160°)
2000-2030	Fri	BBC	Hausa	West Africa	9545	300 (160°)
2000-2100	Daily	KBS World Radio	German	Europe	3955	250 (114°)
2030-2100	Daily	Voice of America	Hausa	West Africa	9765	250 (180°)
2100-2115	Daily	Radio Akhbar Mufriha	Tachelhit	North Africa	7300	250 (170°)
2100-2200	Daily	KBS World Radio	French	Europe	3955	250 (114°)
2100-2200	Daily	BBC	English	West Africa	5875	250 (172°)
2115-2145	Daily	Radio Akhbar Mufriha	Arabic	North Africa	7300	250 (170°)

# BBC World Service

## B-18 schedule for mediumwave and shortwave transmissions

### Transmitter sites used by the BBC World Service on mediumwave and shortwave

#### Mediumwave

Location	Abbrev.	Power used (kW)
A'Seela, Oman	sla	800 kW
Choibalsan, Mongolia	chb	500 kW
Dushanbe, Tajikistan	dsb	100 kW
Zakaki, Cyprus	zak	500 kW

#### Shortwave

Location	Abbrev.	Power used (kW)
Ascension Island	asc	125/250 kW
A'Seela, Oman	sla	250 kW
Dhabbaya, Abu Dhabi, UAE	dha	250 kW
Dushanbe, Tajikistan	dsb	250 kW
Grigoriopol, Moldova-PMR	kch	300 kW
Kostinbrod, Bulgaria	sof	200/250 kW
Kranji, Singapore	sng	100/125/250 kW
Meyerton, South Africa	mey	100/250 kW
Moosbrunn, Austria	mos	300 kW
Talata Volonondry, Madagascar	mdc	250 kW
Tashkent, Uzbekistan	tac	100 kW
Tinang, Philippines	pht	250 kW
Woofferton, UK	wof	250/300 kW
Yerevan, Armenia	erv	250 kW

### BBC World Service schedule for B-18 on mediumwave and shortwave

Times/UTC	Days	Language	Target	kHz
0000-0030	Daily	Burmese	South-East Asia	7465-sng 11700-sng 15310-pht
0000-0100	Daily	English	West Asia	5875-wof 5835-erv
0030-0100	Daily	Dari	West Asia	1413-sla 5930-mos 7445-wof
0100-0130	Daily	English	South Asia	9410-sng
0100-0130	Daily	Hindi	South Asia	1413-sla 5875-tac 6100-wof 7430-wof 11995-sng
0100-0130	Daily	Pashto	West Asia	5930-mos 6195-sof 7445-wof
0100-0200	Daily	English	West Asia	5835-erv
0100-0520	Daily	English	Europe	198-dro
0130-0200	Daily	Bengali	South Asia	9560-sng 11995-sng
0130-0200	Daily	Dari	West Asia	5930-mos 6195-sof 7445-wof
0130-0200	Daily	English	South Asia	1413-sla 9410-sng
0200-0230	Daily	English	South Asia	1413-sla
0200-0230	Daily	Pashto	West Asia	5875-erv 6195-sla 7445-wof
0200-0230	Daily	Tajik	West Asia	1251-dsb
0230-0300	Daily	Dari	West Asia	5875-erv 6195-sla 7445-wof
0230-0330	Daily	Persian	West Asia	1431-sla 5930-tac 6010-sof 6095-wof 7485-kch
0300-0330	Daily	Pashto	West Asia	7300-dha 7445-erv 9410-dha
0300-0400	Daily	Arabic	Middle East	720-zak
0300-0400	Daily	Arabic	North Africa	639-zak 5875-wof 5995-dha
0300-0400	Daily	English	West Asia	6195-sla 7285-sla
0330-0400	Daily	Persian	West Asia	1251-db 1413-sla 6010-tac 6095-sla 7485-kch
0400-0430	Daily	Persian	West Asia	1251-db 6010-tac 6095-sla 7485-kch
0400-0430	Daily	Somali	Horn of Africa	11995-mdc 13840-dha
0400-0500	Daily	Arabic	Middle East	720-zak
0400-0500	Daily	Arabic	North Africa	639-zak 5875-wof
0400-0500	Daily	English	East Africa	9915-mdc 12095-dha
0400-0500	Daily	English	West Asia	1413-sla 7285-sla 9410-sla

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0430-0530	Daily	Persian	West Asia	1413-sla 9440-dha 11905-sla 13860-tac
0500-0600	Daily	Arabic	Middle East	720-zak
0500-0600	Daily	Arabic	North Africa	639-zak 12015-dha
0500-0600	Daily	English	Central Africa	5925-asc 7345-wof
0500-0600	Daily	English	East Africa	9915-mey 12095-mdc
0500-0600	Daily	English	Southern Africa	3255-mey 6190-mey
0500-0600	Daily	English	West Africa	6005-asc
0500-0600	Sat	Kirundi	Great Lakes	11945-mey 15490-mey
0529-0600	Daily	Hausa	West Africa	5975-wof 6135-asc 7305-asc
0529-0600	Sun	Kirundi	Great Lakes	11945-mey 15490-mey
0559-0700	Daily	English	Europe	3955-wof
0600-0629	Daily	French	Central Africa	7305-asc
0600-0629	Daily	French	North Africa	6135-wof 7265-wof
0600-0629	Daily	French	West Africa	5875-asc
0600-0700	Daily	Arabic	Middle East	720-zak
0600-0700	Daily	Arabic	North Africa	639-zak 15315-sla
0600-0700	Daily	English	Central Africa	7345-asc 12095-mey 15400-mdc
0600-0700	Daily	English	West Africa	6005-asc 7325-wof
0600-0800	Daily	English	East Africa	15420-mey 17640-dha
0600-0800	Daily	English	Southern Africa	6190-mey
0629-0700	Daily	Hausa	West Africa	5975-asc 7305-asc 17830-dha
0700-0729	Daily	French	Central Africa	17830-dha
0700-0729	Daily	French	West Africa	7305-asc
0700-0800	Daily	English	Central Africa	9410-asc 15400-mdc 15490-mey
0700-0800	Daily	English	West Africa	7325-asc 9915-asc
0759-0900	Daily	English	South Asia	15620-sng
0830-0900	Daily	Dari	West Asia	13660-sla 15310-sla
0900-0930	Daily	Pashto	West Asia	13660-sla 15310-sla
0930-1000	Daily	Dari	West Asia	13660-sla 15310-sla
0930-1000	Daily	Tajik	West Asia	1251-dsb
1000-1030	Daily	English	West Asia	1251-dsb
1000-1030	Daily	Pashto	West Asia	1251-dsb(su/mo) 13660-sla 15310-sla
1000-1200	Daily	English	South-East Asia	6195-sng 9900-sng 12065-sng
1030-1100	Daily	Dari	West Asia	13660-sla 15310-sla
1100-1130	Daily	Pashto	West Asia	13660-sla 15310-sla
1100-1130	Daily	Somali	Horn of Africa	15420-dha 17745-dha
1130-1400	Sat	Somali	Horn of Africa	17745-mey 21470-dha
1130-1700	Sat	Hausa	West Africa	17780-asc
1200-1230	Daily	French	Central Africa	17870-mey
1200-1230	Daily	French	North Africa	15490-wof
1200-1230	Daily	French	West Africa	17640-asc
1200-1300	Daily	English	East Asia	11850-sng
1200-1300	Daily	English	South Asia	9410-sla 12065-sla
1300-1330	Mon-Fri	Uzbek	West Asia	1251-dsb
1300-1330	Sat/Sun	Pashto	West Asia	1251-dsb
1300-1400	Daily	English	South Asia	1413-sla 9410-sla 12065-sng
1330-1400	Daily	Bengali	South Asia	7520-tac 9510-sng 11750-sla
1330-1400	Daily	Uzbek	West Asia	1251-dsb
1330-1415	Daily	Burmese	South-East Asia	7485-sng 9560-pht 9920-pht 11995-sng
1400-1430	Daily	Hindi	South Asia	1413-sla 5875-tac 9510-sng 9540-sla 11995-sng
1400-1430	Mon-Fri	Hausa	West Africa	17640-mey 17780-asc 21630-dha
1400-1500	Daily	Dari	West Asia	5975-sla 7465-sng
1400-1500	Daily	Somali	Horn of Africa	12095-mdc 17745-mey 21470-dha
1400-1500	Daily	Tajik	West Asia	1251-dsb
1430-1500	Daily	English	South Asia	1413-sla
1500-1600	Daily	Arabic	Middle East	702-sla 720-zak
1500-1600	Daily	English	East Africa	12095-mdc 15420-mey
1500-1600	Daily	Pashto	West Asia	5975-sla 7465-sng
1500-1600	Daily	Persian	West Asia	5875-tac 6195-sla
1500-1600	Daily	Urdu	West Asia	1413-sla 5830-erv 7485-sng 9410-sng 9445-sof

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
1500-1700	Daily	English	Middle East	5995-sla
1500-1700	Daily	English	West Asia	7405-sla
1500-1700	Sat	Somali	Horn of Africa	17745-mey 21470-asc
1530-1830	Daily	Korean	East Asia	5845-sng 5895-db 7355-sng
1600-1630	Daily	Dari	West Asia	5975-sla 7465-sng
1600-1700	Daily	Arabic	Middle East	702-sla 720-zak
1600-1700	Daily	English	Central Africa	15400-asc 17830-asc
1600-1700	Daily	English	East Africa	7445-mdc12095-mey
1600-1700	Daily	Persian	West Asia	1413-sla 5875-sof 6195-sla
1600-1800	Daily	English	South Asia	1413-sla
1600-2000	Daily	English	Southern Africa	3255-mey 6190-mey
1630-1700	Mon-Fri	Kirundi	Great Lakes	15420-mdc 17870-mey
1630-1700	Mon-Fri	Pashto	West Asia	5975-sla 7465-sng
1630-1700	Sat/Sun	Dari	West Asia	5975-sla 7465-sng
1700-1800	Daily	Arabic	Middle East	702-sla 720-zak
1700-1800	Daily	Arabic	North Africa	9580-dha
1700-1800	Daily	Dari	West Asia	5875-erv 6090-sla 7465-sng
1700-1800	Daily	English	Central Africa	17830-asc
1700-1800	Daily	English	East Africa	7445-mdc 9410-mey
1700-1800	Daily	English	West Africa	6195-sla 15400-asc 17780-asc
1700-1800	Daily	English	West Asia	1251-dsb
1700-1930	Sat	Hausa	West Africa	15685-asc
1700-1930	Sat	Somali	Horn of Africa	7335-mey 9465-may 9600-dha
1730-1750	Mon-Fri	Amharic	Horn of Africa	9600-sla 11720-dha 12095-mey
1750-1810	Mon-Fri	Oromo	Horn of Africa	9600-sla 11720-dha 12095-mey
1800-1830	Daily	French	Central Africa	12065-asc
1800-1830	Daily	French	Indian Ocean	7395-mey
1800-1830	Daily	French	North Africa	7265-wof
1800-1830	Daily	French	West Africa	11975-asc 15490-asc
1800-1830	Daily	Pashto	West Asia	1413-sla 5875-erv 6090-sla 7465-sng
1800-1830	Daily	Somali	Horn of Africa	6180-dha 9465-mey 11875-mey
1800-1830	Daily	Tajik	West Asia	1251-dsb
1800-1900	Daily	Arabic	Middle East	702-sla 720-zak
1800-1900	Daily	Arabic	North Africa	639-zak 9580-dha
1800-1900	Daily	English	East Africa	7445-mdc 9410-dha
1800-1900	Daily	English	West Africa	6195-sla 9915-wof 15400-asc
1800-2100	Daily	English	Central Africa	11810-asc
1810-1830	Mon-Fri	Tigrinya	Horn of Africa	9600-sla 11720-dha 12095-mey
1830-1850	Mon-Fri	Amharic	Horn of Africa	7505-sof 9600-sla 9885-mey
1830-1900	Daily	Pashto	West Asia	1251-dsb 1413-sla 5875-erv 6090-sla 7465-sng
1850-1910	Mon-Fri	Oromo	Horn of Africa	7505-sof 9600-sla 9885-mey
1900-2000	Daily	Arabic	Middle East	702-sla 720-zak
1900-2000	Daily	Arabic	North Africa	639-zak 6145-dha
1900-2000	Daily	English	East Africa	7445-mdc 9410-dha
1900-2100	Daily	English	West Africa	5875-wof 12095-asc
1900-2100	Daily	English	West Asia	1413-sla
1910-1930	Mon-Fri	Tigrinya	Horn of Africa	7505-sof 9600-sla 9885-mey
1930-2000	Daily	Hausa	West Africa	9545-wof 11660-asc 15490-asc
2000-2030	Fri	Hausa	West Africa	9545-wof 11660-asc 15490-asc
2000-2100	Daily	Arabic	Middle East	702-sla 720-zak
2000-2100	Daily	Arabic	North Africa	639-zak 6145-sla
2100-2200	Mon-Fri	English	Central Africa	11810-asc
2100-2200	Mon-Fri	English	West Africa	5875-wof 12095-asc
2200-2300	Daily	English	South-East Asia	3915-sng 5845-sng 5960-sla 6195-sng 7300-dha 7445-sla
2200-2300	Daily	English	East Asia	5960-sla
2300-0000	Daily	English	South-East Asia	3915-sng 5845-sng 6195-sng 7445-sla



## BBC World Service on mediumwave and shortwave by language and target zone

### English to Europe

<u>Times/UTC</u>	<u>Days</u>	<u>Language</u>	<u>Target</u>	<u>kHz</u>
0100-0520	Daily	English	Europe	198-dro
0559-0700	Daily	English	Europe	3955-wof

### English to West Africa

<u>Times/UTC</u>	<u>Days</u>	<u>Language</u>	<u>Target</u>	<u>kHz</u>
0500-0600	Daily	English	West Africa	6005-asc
0600-0700	Daily	English	West Africa	6005-asc 7325-wof
0700-0800	Daily	English	West Africa	7325-asc 9915-asc
1700-1800	Daily	English	West Africa	6195-sla 15400-asc 17780-asc
1800-1900	Daily	English	West Africa	6195-sla 9915-wof 15400-asc
1900-2100	Daily	English	West Africa	5875-wof 12095-asc
2100-2200	Mon-Fri	English	West Africa	5875-wof 12095-asc

### English to Central Africa

<u>Times/UTC</u>	<u>Days</u>	<u>Language</u>	<u>Target</u>	<u>kHz</u>
0500-0600	Daily	English	Central Africa	5925-asc 7345-wof
0600-0700	Daily	English	Central Africa	7345-asc 12095-mey 15400-mdc
0700-0800	Daily	English	Central Africa	9410-asc 15400-mdc 15490-mey
1600-1700	Daily	English	Central Africa	15400-asc 17830-asc
1700-1800	Daily	English	Central Africa	17830-asc
1800-2100	Daily	English	Central Africa	11810-asc
2100-2200	Mon-Fri	English	Central Africa	11810-asc

### English to East Africa

<u>Times/UTC</u>	<u>Days</u>	<u>Language</u>	<u>Target</u>	<u>kHz</u>
0400-0500	Daily	English	East Africa	9915-mdc 12095-dha
0500-0600	Daily	English	East Africa	9915-mey 12095-mdc
0600-0800	Daily	English	East Africa	15420-mey 17640-dha
1500-1600	Daily	English	East Africa	12095-mdc 15420-mey
1600-1700	Daily	English	East Africa	7445-mdc 12095-mey
1700-1800	Daily	English	East Africa	7445-mdc 9410-mey
1800-1900	Daily	English	East Africa	7445-mdc 9410-dha
1900-2000	Daily	English	East Africa	7445-mdc 9410-dha

### English to Southern Africa

<u>Times/UTC</u>	<u>Days</u>	<u>Language</u>	<u>Target</u>	<u>kHz</u>
0500-0600	Daily	English	Southern Africa	3255-mey 6190-mey
0600-0800	Daily	English	Southern Africa	6190-mey
1600-2000	Daily	English	Southern Africa	3255-mey 6190-mey

### English to the Middle East

<u>Times/UTC</u>	<u>Days</u>	<u>Language</u>	<u>Target</u>	<u>kHz</u>
1500-1700	Daily	English	Middle East	5995-sla

### English to West Asia

<u>Times/UTC</u>	<u>Days</u>	<u>Language</u>	<u>Target</u>	<u>kHz</u>
0000-0100	Daily	English	West Asia	5835-erv 5875-wof
0100-0200	Daily	English	West Asia	5835-erv
0300-0400	Daily	English	West Asia	6195-sla 7285-sla
0400-0500	Daily	English	West Asia	1413-sla 7285-sla 9410-sla
1000-1030	Daily	English	West Asia	1251-dsb
1500-1700	Daily	English	West Asia	7405-sla
1700-1800	Daily	English	West Asia	1251-dsb
1900-2100	Daily	English	West Asia	1413-sla

**English to South Asia**

Times/UTC	Days	Language	Target	kHz
0100-0130	Daily	English	South Asia	9410-sng
0130-0200	Daily	English	South Asia	1413-sla 9410-sng
0200-0230	Daily	English	South Asia	1413-sla
0759-0900	Daily	English	South Asia	15620-sng
1200-1300	Daily	English	South Asia	9410-sla 12065-sla
1300-1400	Daily	English	South Asia	1413-sla 9410-sla 12065-sng
1430-1500	Daily	English	South Asia	1413-sla
1600-1800	Daily	English	South Asia	1413-sla

**English to South-East Asia**

Times/UTC	Days	Language	Target	kHz
1000-1200	Daily	English	South-East Asia	6195-sng 9900-sng 12065-sng
2200-2300	Daily	English	South-East Asia	3915-sng 5845-sng 5960-sla 6195-sng 7300-dha 7445-sla
2300-0000	Daily	English	South-East Asia	3915-sng 5845-sng 6195-sng 7445-sla

**English to East Asia**

Times/UTC	Days	Language	Target	kHz
1200-1300	Daily	English	East Asia	11850-sng
2200-2300	Daily	English	East Asia	5960-sla

**Amharic to the Horn of Africa**

Times/UTC	Days	Language	Target	kHz
1730-1750	Mon-Fri	Amharic	Horn of Africa	9600-sla 11720-dha 12095-mey
1830-1850	Mon-Fri	Amharic	Horn of Africa	7505-sof 9600-sla 9885-mey

**Arabic to North Africa**

Times/UTC	Days	Language	Target	kHz
0300-0400	Daily	Arabic	North Africa	639-zak 5875-wof 5995-dha
0400-0500	Daily	Arabic	North Africa	639-zak 5875-wof
0500-0600	Daily	Arabic	North Africa	639-zak 12015-dha
0600-0700	Daily	Arabic	North Africa	639-zak 15315-sla
1700-1800	Daily	Arabic	North Africa	9580-dha
1800-1900	Daily	Arabic	North Africa	639-zak 9580-dha
1900-2000	Daily	Arabic	North Africa	639-zak 6145-dha
2000-2100	Daily	Arabic	North Africa	639-zak 6145-sla

**Arabic to the Middle East**

Times/UTC	Days	Language	Target	kHz
0300-0400	Daily	Arabic	Middle East	720-zak
0400-0500	Daily	Arabic	Middle East	720-zak
0500-0600	Daily	Arabic	Middle East	720-zak
0600-0700	Daily	Arabic	Middle East	720-zak
1500-1600	Daily	Arabic	Middle East	702-sla 720-zak
1600-1700	Daily	Arabic	Middle East	702-sla 720-zak
1700-1800	Daily	Arabic	Middle East	702-sla 720-zak
1800-1900	Daily	Arabic	Middle East	702-sla 720-zak
1900-2000	Daily	Arabic	Middle East	702-sla 720-zak
2000-2100	Daily	Arabic	Middle East	702-sla 720-zak

**Bengali to South Asia**

Times/UTC	Days	Language	Target	kHz
0130-0200	Daily	Bengali	South Asia	9560-sng 11995-sng
1330-1400	Daily	Bengali	South Asia	7530-tac 9510-sng 11750-sla

**Burmese to South-East Asia**

Times/UTC	Days	Language	Target	kHz
0000-0030	Daily	Burmese	South-East Asia	7465-sng 11700-sng 15310-pht
1330-1415	Daily	Burmese	South-East Asia	7485-sng 9560-pht 9920-pht 11995-sng

**Dari to West Asia**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0030-0100	Daily	Dari	West Asia	1413-sla 5930-mos 7445-wof
0130-0200	Daily	Dari	West Asia	5930-mos 6195-sof 7445-wof
0230-0300	Daily	Dari	West Asia	5875-erv 6195-sla 7445-wof
0830-0900	Daily	Dari	West Asia	13660-sla 15310-sla
0930-1000	Daily	Dari	West Asia	13660-sla 15310-sla
1030-1100	Daily	Dari	West Asia	13660-sla 15310-sla
1400-1500	Daily	Dari	West Asia	5975-sla 7465-sng
1600-1630	Daily	Dari	West Asia	5975-sla 7465-sng
1630-1700	Sat/Sun	Dari	West Asia	5975-sla 7465-sng
1700-1800	Daily	Dari	West Asia	5875-erv 6090-sla 7465-sng

**French to North Africa**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0600-0629	Daily	French	North Africa	6135-wof 7265-wof
1200-1230	Daily	French	North Africa	15490-wof
1800-1830	Daily	French	North Africa	7265-wof

**French to West Africa**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0600-0629	Daily	French	West Africa	5875-asc
0700-0729	Daily	French	West Africa	7305-asc
1200-1230	Daily	French	West Africa	17640-asc
1800-1830	Daily	French	West Africa	11975-asc 15490-asc

**French to Central Africa**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0600-0629	Daily	French	Central Africa	7305-asc
0700-0729	Daily	French	Central Africa	17830-dha
1200-1230	Daily	French	Central Africa	17870-mey
1800-1830	Daily	French	Central Africa	12065-asc

**French to the Indian Ocean Islands**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
1800-1830	Daily	French	Indian Ocean	7395-mey

**Hausa to West Africa**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0529-0600	Daily	Hausa	West Africa	5975-wof 6135-asc 7305-asc
0629-0700	Daily	Hausa	West Africa	5975-asc 7305-asc 17830-dha
1130-1700	Sat	Hausa	West Africa	17780-asc
1400-1430	Mon-Fri	Hausa	West Africa	17640-mey 17780-asc 21630-dha
1700-1930	Sat	Hausa	West Africa	15685-asc
1930-2000	Daily	Hausa	West Africa	9545-wof 11660-asc 15490-asc
2000-2030	Fri	Hausa	West Africa	9545-wof 11660-asc 15490-asc

**Hindi to South Asia**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0100-0130	Daily	Hindi	South Asia	1413-sla 5875-tac 6100-wof 7430-wof 11995-sng
1400-1430	Daily	Hindi	South Asia	1413-sla 5875-tac 9510-sng 9540-sla 11995-sng

**Kirundi/Kinyarwanda to the African Great Lakes Region**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0500-0600	Sat	Kirundi	Great Lakes	11945-mey 15490-mey
0529-0600	Sun	Kirundi	Great Lakes	11945-mey 15490-mey
1630-1700	Mon-Fri	Kirundi	Great Lakes	15420-mdc 17870-mey

**Korean to East Asia**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
1530-1830	Daily	Korean	East Asia	5845-sng 5895-db 7355-sng



**Oromo to the Horn of Africa**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
1750-1810	Mon-Fri	Oromo	Horn of Africa	9600-sla 11720-dha 12095-mey
1850-1910	Mon-Fri	Oromo	Horn of Africa	7505-sof 9600-sla 9885-mey

**Pashto to West Asia**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0100-0130	Daily	Pashto	West Asia	5930-mos 6195-sof 7445-wof
0200-0230	Daily	Pashto	West Asia	5875-erv 6195-sla 7445-wof
0300-0330	Daily	Pashto	West Asia	7300-dha 7445-erv 9410-dha
0900-0930	Daily	Pashto	West Asia	13660-sla 15310-sla
1000-1030	Daily	Pashto	West Asia	1251-dsb(su/mo) 13660-sla 15310-sla
1100-1130	Daily	Pashto	West Asia	13660-sla 15310-sla
1300-1330	Sat/Sun	Pashto	West Asia	1251-dsb
1500-1600	Daily	Pashto	West Asia	5975-sla 7465-sng
1630-1700	Mon-Fri	Pashto	West Asia	5975-sla 7465-sng
1800-1830	Daily	Pashto	West Asia	1413-sla 5875-erv 6090-sla 7465-sng
1830-1900	Daily	Pashto	West Asia	1251-dsb 1413-sla 5875-erv 6090-sla 7465-sng

**Persian to West Asia**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0230-0330	Daily	Persian	West Asia	1431-sla 5930-tac 6010-sof 6095-wof 7485-kch
0330-0400	Daily	Persian	West Asia	1251-db 1413-sla 6010-tac 6095-sla 7485-kch
0400-0430	Daily	Persian	West Asia	1251-db 6010-tac 6095-sla 7485-kch
0430-0530	Daily	Persian	West Asia	1413-sla 9440-dha 11905-sla 13860-tac
1500-1600	Daily	Persian	West Asia	5875-tac 6195-sla
1600-1700	Daily	Persian	West Asia	1413-sla 5875-sof 6195-sla

**Somali to the Horn of Africa**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0400-0430	Daily	Somali	Horn of Africa	11995-mdc 13840-dha
1100-1130	Daily	Somali	Horn of Africa	15420-dha 17745-dha
1130-1400	Sat	Somali	Horn of Africa	17745-mey 21470-dha
1400-1500	Daily	Somali	Horn of Africa	12095-mdc 17745-mey 21470-dha
1500-1700	Sat	Somali	Horn of Africa	17745-mey 21470-asc
1700-1930	Sat	Somali	Horn of Africa	7335-mey 9465-may 9600-dha
1800-1830	Daily	Somali	Horn of Africa	6180-dha 9465-mey 11875-mey

**Tajik to West Asia**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
0200-0230	Daily	Tajik	West Asia	1251-dsb
0930-1000	Daily	Tajik	West Asia	1251-dsb
1400-1500	Daily	Tajik	West Asia	1251-dsb
1800-1830	Daily	Tajik	West Asia	1251-dsb

**Tigrinya to the Horn of Africa**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
1810-1830	Mon-Fri	Tigrinya	Horn of Africa	9600-sla 11720-dha 12095-mey
1910-1930	Mon-Fri	Tigrinya	Horn of Africa	7505-sof 9600-sla 9885-mey

**Urdu to West Asia**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
1500-1600	Daily	Urdu	West Asia	1413-sla 5830-erv 7485-sng 9410-sng 9445-sof

**Uzbek to West Asia**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>kHz</b>
1300-1330	Mon-Fri	Uzbek	West Asia	1251-dsb
1330-1400	Daily	Uzbek	West Asia	1251-dsb

## British DX Club visit to Woofferton (October 2017)

In October 2017, twenty BDXC members gathered at Woofferton for a much anticipated tour of the transmitter site. Read the report by Alan Pennington of this enjoyable day here: <http://www.bdxc.org.uk/woofferton.pdf> (this article originally appeared in Communication in November 2017)

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## Reflections on the BBC transmitting station at Woofferton by Alan Hardy (June 1994)

The BBC Transmitting Site at Woofferton first came into operation in 1943 as a result of wartime expansion in external broadcasting. Initially, there were six 50 kW shortwave transmitters with aerial systems beamed in several directions, directed by the needs of the time.

The BBC Transmitting Site at Woofferton first came into operation in 1943 as a result of wartime expansion in external broadcasting. Initially, there were six 50 kW shortwave transmitters with aerial systems beamed in several directions, directed by the needs of the time.

The Woofferton site is located 52°18'N or about three miles south-south west of Ludlow in Shropshire, near to the Shropshire-Herefordshire border. Quite an area in now covered by the array of aerials on the site, which cater for the six 250 kW and four 300 kW transmitters used for shortwave broadcasting. In addition, the BBC South Shropshire relay of Radio Shropshire is located at this site, operating on 1584 kHz with 500 Watts.

After the end of the Second World War, and at the beginning of the Cold War era in 1948, Woofferton became the site of the Voice of America shortwave operations in the UK. The transmitters were operated by the BBC on behalf of the VOA ( the first VOA broadcasts from the UK took place over BBC long and mediumwave transmitters in February 1942).

The Woofferton site was an early example of shortwave transmitting sites outside of the US which could get a stronger signal into target areas this side of the Atlantic because of greater nearness. From Woofferton, two networks were developed; the 'Blue Stars' and the 'Grey Stars', which combined broadcast in total about sixteen hours a day. The target areas were Central and Eastern Europe, the Balkans and Near East, plus European Russia. Latterly, broadcasts to Africa were also made from Woofferton.

Over the years, VOA has introduced and expanded other sites in Europe and North Africa which has reduced Woofferton's present output to a level less than has been seen in the past. Indeed, with the collapse of Communism in recent years, former RFE/RL transmitters at Gloria in Portugal have become available to VOA and a new site in Morocco has been set up, perhaps at the expense of Woofferton. With this, though, the BBC has filled available airtime with a few relays of Radio Japan and Radio Canada International in addition to its own transmissions.

However, VOA still broadcasts some vital output from Woofferton. The schedule on the opposite page lists several frequencies for the Serbian and Croatian services, beamed to the war-torn former-Yugoslavia, and some transmissions in languages of the former-Soviet Union also originate from Woofferton.

Living in Knighton, 18 miles west-north west of Woofferton, it gives the writer a good opportunity to listen to groundwave from this site. Reception is best during summer months when the lower shortwave frequencies tend not to be used or don't propagate well to the UK as when they do for the rest of the year. 6040 kHz is a good example between 1630-2200, offering excellent reception in summer with only a half-length telescopic aerial on my radio-cassette comparable, say, to Radio 4 on longwave.

As to the future of Woofferton, we will have to wait and see. Perhaps there will be more in the way of relays from Radio Japan and CBC, and others as well in this era of relay exchanges. VOA's output may also be dictated by world affairs, so further changes in the number of hours used from Woofferton may take place. Whatever the outcome, VOA's association with the site will be fondly remembered.

Alan Hardy - June 1994 (this article originally appeared in Communication in July 1994)

## Focus on the BBC at Woofferton by Alan Hardy (August 1998)

The origin of the BBC transmitter site at Woofferton goes back to 1943. Woofferton itself is a village on the A49 between Ludlow and Hereford, three miles south of Ludlow and twenty two north of Hereford. The actual transmitting site sits astride the Herefordshire-Shropshire border, the complex stretching from Shropshire into Herefordshire.

In 1943, on response to the radio expansion of the BBC's external services, the site at Woofferton came into being. The initial complement of transmitters consisted of six 50 kW units. By April 30th 1944, the BBC's external services had reached their wartime peak with 35 shortwave transmitters in use, plus three mediumwave transmitters and one longwave transmitter. These were used for three European services and two Overseas services.

By the end of the war, there was over-capacity and in 1948 the transmitters were operated by the BBC to relay Voice of America programmes. In effect, Woofferton became a VOA relay site, similar to Munich, Tangier and Salonica.

Over the years, the initial 50 kW transmitters were replaced by 100 kW units, until the current complement of six 250 kW and four 300 kW transmitters existing today were arrived at.

In 1991, the BBC shortwave site at Daventry closed down, leaving Skelton in Cumbria and Rampisham in Dorset as the homes for BBC shortwave transmitters, in addition to the third site at Woofferton.

Nowadays, in addition to the BBC and VOA, Woofferton transmitters are also currently used to relay Radio Japan, CBC, Radio Korea and RFE/RL. In addition to the ten shortwave transmitters at Woofferton, there are now additional ones for BBC Radio Shropshire on mediumwave (1584 kHz) and FM for coverage of South Shropshire.

Those are the facts about Woofferton, but to me personally at 56 years of age, Woofferton and the countryside surrounding it holds a semi-mystical fascination. My first knowledge of Woofferton goes back to reading the Guide to Broadcasting Stations published annually over forty years ago.

All shortwave stations over 1 kW were listed, according to frequency and wavelength, and at the back of the book they were listed by country and frequency. In the main text at the foot of the pages were notes stating "BBC Overseas transmitters are located at Skelton (Cumberland), Daventry (Northants), Woofferton (Shropshire) and Rampisham (Dorset)". Daventry has since gone, could Woofferton be the next?

My second experience was a result of travelling by train from Manchester to the south-west of England on holiday. The train left at 23.15 with a single locomotive engine hauling twelve carriages at a slow pace. Not getting a seat, I sat on a suitcase in the corridor and dozed off, only to be woken when the train stopped at signals. Checking my watch, it was 03.45 and looking out of the window there was a vast aerial field in sight. When the train moved, a sign saying "Woofferton Junction Signal Box" appeared. This was the Woofferton transmitter site that I had read about!

Ten years later, in 1970, I saw the transmitter site again whilst on holiday in the area. Situated in South Shropshire/North Herefordshire, with Wales in the west and England to the east, the countryside looked magnificent and it made a great impression on me, so much so that ten years later I left the north-west and settled in the Welsh Borderland at Knighton (Powys).

Living locally, a few years ago I had the pleasure of speaking to a resident of Woofferton, now in his mid-eighties, and he distinctly remembered the site being developed, for or by the BBC, whilst working as an agricultural worker during the war in 1943.

Every time I see the aerial arrays, which are visible for miles around, I remember the hot stuffy night in August 1960 and the diesel fumes from an overworked British Railways locomotive!

Alan Hardy - August 1998 (this article originally appeared in Communication in September 1998)

*Editor's note: Alan was a BDXC member for several years and sadly passed away in November 1999.*