



Produced by the British FM & TV Circle

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DX News, Loggings and
Information for FM & TV
DXers



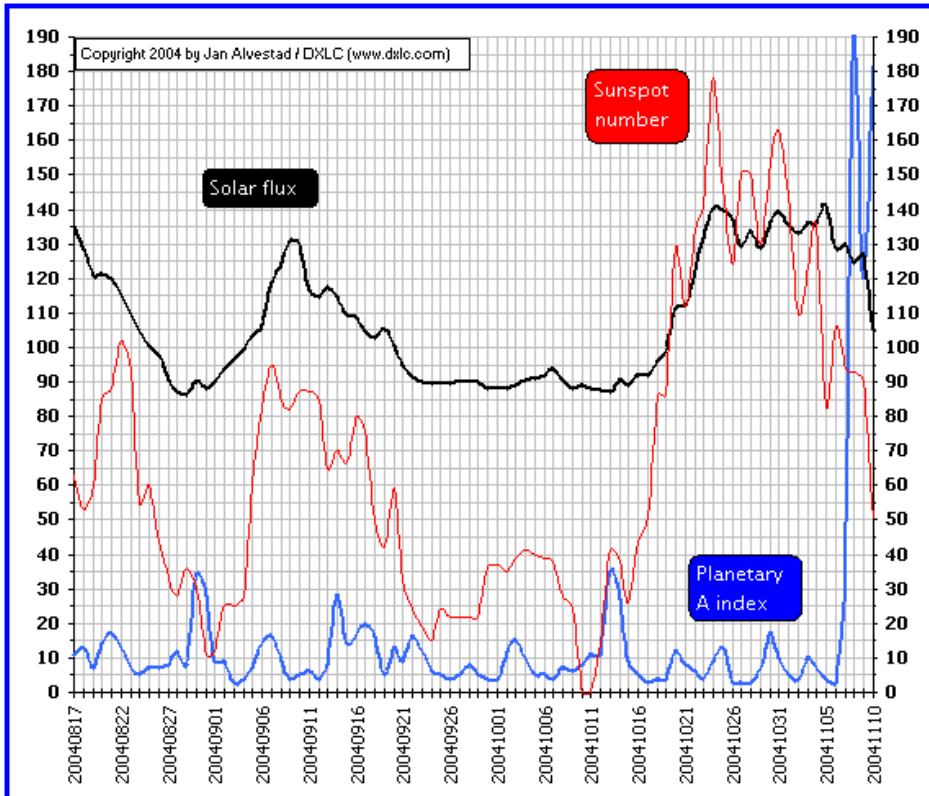
Issue No. 93 – November 2004

Hello and welcome to Skywaves 93.

It's not often that the biggest news on FM in the UK is a transmission mast collapse, but this month it happened. The Crown Castle owned mast at Morborne, serving Peterborough and surrounding areas suffered a fire on the 30th October, which subsequently caused the mast to collapse. Full story and pictures in the FM News section inside.

Also (since it's now the 11th Nov), I'm including today's Solar Chart image, because its shows the amazingly high A-indices of the past week. This has led to some visible Aurora in the UK, Auroral E's and "normal" Sporadic E.

Date	Middle Latitude - Fredericksburg -								High Latitude ---- College ----								Estimated --- Planetary ---											
	A	K-indices							A	K-indices							A	K-indices										
2004 11 05	1	2	0	0	0	0	0	1	0	1	2	0	0	0	0	0	1	0	4	3	1	0	0	1	1	1	1	0
2004 11 06	4	0	2	1	0	1	1	3	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1
2004 11 07	19	1	2	2	3	3	4	4	5	-1	-1	-1	-1	-1	-1	-1	-1	39	1	2	1	3	3	5	6	7	7	
2004 11 08	116	9	8	7	6	3	2	3	4	114	6	7	7	9	6	3	4	4	189	9	9	9	8	6	3	4	5	5
2004 11 09	47	6	4	4	4	4	4	6	6	188	4	6	7	9	8	8	8	7	120	6	6	5	7	6	7	8	7	7
2004 11 10	101	7	7	8	7	6	4	4	3	122	6	6	8	8	7	7	5	2	181	8	8	9	9	7	6	5	4	4



Solar Chart courtesy of
Jan Alvestad
DX Listeners Club
Norway
www.dxl.com



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DXTV DIARY FOR OCTOBER 2004

22nd October {SFI: 123, A:6}

Reports from Tim Bucknall and John Faulkner of F2 activity today around 1000.

23rd October {SFI: 132, A:3}

David Hamilton reports a little bit of activity today with German audio on 55.250 also R1 audio.

Jozef Jenniskens from Helmond in The Netherlands sends this log for today:
12.17 - 12.28 UTC E2 Spain With sound 80% strength.

Equipment Used by reporters:



Tim Bucknall, in Congleton Cheshire.

Icom R75 & Welbrooke ALA 1530 Outdoor un tuned loop for band 1 and for band 3 , D100 fed by Triax 6 element on roof top rotator into Daewoo Combo.

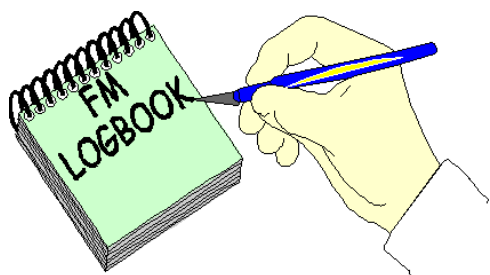
John Faulkner, Sutton-in-Ashfield, Notts.

Icom PCR1000 & HS D100. HS 4 element band 1 dipole

David Hamilton, in Scotland.

Alnico DX 70th. 2 element Band 1 Yagi. Icom PCR 1000 DSP for offsets. Various spectrum programs

All times are in U.T.C.



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Meteor logbook

<u>FREQ</u>	<u>TIME</u>	<u>DATE</u>	<u>ITU</u>	<u>STATION</u>		<u>RDS CODE</u>	<u>SIGNAL</u>	<u>M</u>	<u>RP</u>
87.7	1008	01/10	F	France Culture, Strasbourg		F202	_CULTURE	v strong	M WK
87.7	1952	13/10	F	France Culture, Strasbourg		F202	_CULTURE	strong	M WK
87.7	0741	13/10	SVK	Fun Radio, Kosice		5340	FUNRADIO	strong	M WK

Tropospheric logbook

<u>FREQ</u>	<u>TIME</u>	<u>DATE</u>	<u>ITU</u>	<u>STATION</u>		<u>RDS CODE</u>	<u>SIGNAL</u>	<u>M</u>	<u>RP</u>
87.8	0640	01/10	IRL	Lyric FM, Clermont Cam	2203	RTELYRIC	fair	T	WK
87.9	0825	01/10	F	France Inter, Toulouse [31]			good	T	MF
89.1	0636	01/10	IRL	RTE1, Kippure	2201	_RTE__1_	v strong	T	WK
89.6	0626	01/10	IRL	RTE1, Mount Leinster	2201	_RTE__1_	v strong	T	WK
91.3	0634	01/10	IRL	RTE2, Kippure	2202	RTE_2FM_	v strong	T	WK
91.8	0624	01/10	IRL	RTE2, Mount Leinster	2202	RTE_2FM_	v strong	T	WK
93.5	0638	01/10	IRL	RTE Radio Na Gaeltachta, Kippure	2204	RTE_RNAG	v strong	T	WK
93.7	0830	01/10	E	RNE 5, Santiago de Compostella			good	T	MF
94.0	0622	01/10	IRL	RTE Radio Na Gaeltachta, Mount Leinster	2204	RTE_RNAG	v strong	T	WK
95.8	0840	01/10	E	RNE 5, La Coruna			good	T	MF
96.6	0835	01/10	F	France Bleu Mayenne, Laval [53]	FC05	BLEU.MAY	good	T	MF
99.2	0628	01/10	IRL	Lyric FM, Mount Leinster	2203	RTELYRIC	v strong	T	WK
100.5	1715	10/10	G	Classic FM, Prescally			poor/fair	T	MF
100.9	0632	01/10	IRL	Today FM, Kippure	2205	TODAY_FM	v strong	T	WK
101.4	0630	01/10	IRL	Today FM, Mount Leinster	2205	TODAY_FM	v strong	T	WK
104.4	0845	01/10	E	RNE 5, Gamoniteiro			good	T	MF
105.7	1945	10/10	G	Saga Radio, Sutton Coldfield			fair/good	T	MF

WHO USED WHAT

MF = Mike Fallon Saltdean, East Sussex

WK = William Kitching Telford, Shropshire

Kenwood KT-6050 with 80/110 kHz filter mod. RDSS v0389 software.
 Triax FM8 (horizontal)/Create Log-Periodic (vertical)
 Pioneer F737, Conrad RDS Manager, 5 element beam

FM & Digital News Desk

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UNITED KINGDOM

Peterborough falls off-air

Fire knocks out FM radio services - http://news.bbc.co.uk/2/hi/uk_news/england/cambridgeshire/3969491.stm

A major fire at a transmitter has left an estimated 1.3m radio listeners without an FM service.

The mast at Morborne, Peterborough, Cambs, caught fire on Saturday evening, collapsing onto transmitter buildings and neighbouring fields.

Radios 1,2, 3 and 4, BBC Radio Cambridgeshire, BBC digital radio and Classic FM are all affected.

The transmitter covers Cambs, and parts of Lincs, Northants, Leicestershire, Beds, Bucks and west Norfolk.

Mobile telephone reception has also been affected.

Scenes of crime experts and forensic teams are at the transmitter site, which is owned by Crown Castle International.



Mast fire 'could be deliberate' - <http://news.bbc.co.uk/1/hi/england/cambridgeshire/3970807.stm>

The mast collapsed onto its side after the fire

Some FM radio services in parts of the east of England have been affected after a transmitter caught fire.

The 580ft mast at Morborne, Peterborough, Cambs, caught fire on Saturday, collapsing onto transmitter buildings and neighbouring fields.

Radios 1,2, 3 and 4, BBC Radio Cambridgeshire, BBC digital radio and Classic FM were all affected, along with some mobile telephone reception.

Detectives think the fire may have been deliberate and appealed for witnesses.

Gary Martin of Cambs Police, said: "We have a number of theories and we're not resting on any particular one.

FM reception in parts of several counties has been affected

"But we need to know - was there anyone suspicious in the area or were there any bangs or fireworks or rockets flying through the air?"

"Has anyone seen where the tower was ablaze - was it at the top of the tower, the middle or the bottom of the tower?"

Following the fire, an estimated 1.3m radio listeners were without an FM service.

Broadcasters are working to restore service and it is unclear how many areas are still affected.

The transmitter, which is owned by Crown Castle International, covers Cambs, and parts of Lincs, Northants, Leicestershire, Beds, Bucks and west Norfolk.



Transmitter Gallery - <http://tx.mb21.co.uk/gallery/peterborough/peterborough03.asp>

On the evening of Saturday 30-Oct-2004 there was a fire at the Peterborough site.

As a result the mast totally collapsed, falling onto the transmitter buildings and neighbouring fields.

There were no casualties but of course all services from Peterborough went off the air!

By 1720 GMT on Sunday 31-Oct-2004 ntl were providing temporary low-power service of Classic FM and DAB from their nearby Gunthorpe site.



Ofcom advertises new FM commercial radio licence for Durham, Manchester & Banbury

Durham

07|10|04 - Ofcom advertises new FM commercial radio licence for Durham

Ofcom today advertises a new local FM commercial radio licence to cover the city of Durham and the surrounding area.

Ofcom estimates that this licence could achieve coverage of an area with an adult (aged 15+) population of around 160,000. However, the exact coverage will be determined by the location of the transmission site and other technical characteristics. Up to two FM frequencies are being made available for this licence.

The closing date for the submission of applications is 5.00 p.m. on Thursday, 6 January 2005. A non-refundable fee of £1,500 will be payable for each application submitted.

The full details for this licence, including the guidelines and procedures for the submission of applications, can be obtained from the Ofcom website.

Manchester

10|11|04 - Ofcom advertises new FM commercial radio licences for Manchester

Ofcom is advertising an FM commercial radio licence to cover the city of Manchester and surrounding area.

The measured coverage area of this new service is likely to contain an adult population (aged 15+) of around 1.3 million, which is more restrictive than that achieved by the existing Galaxy 102 service, which contains around 1.6 million adults. The exact coverage will be determined by the location of the transmission site and other technical characteristics. The proposed frequency (97.7 MHz) for this licence is subject to international agreement on radio spectrum usage.

The closing date for the submission of applications is 5.00 p.m. on 9 February 2005 . A non-refundable fee of £12,000 will be payable for each application submitted.

The full details for this licence, including the guidelines and procedures for the submission of applications, can be obtained from the Ofcom website.

Banbury

10|11|04 - Ofcom advertises new FM commercial radio licences for Banbury

Ofcom is inviting applications for a licence to provide an FM commercial radio service to cover the town of Banbury and surrounding area.

Ofcom estimates this licence could achieve coverage of an area with an adult population (aged 15+) of around 70,000. However, the exact coverage will be determined by the location of the transmission site and other technical characteristics.

The closing date for the submission of completed applications will be 5.00 p.m. on 9 February 2005 . A non-refundable fee of £1,500 will be payable for each application submitted.

The full details for this licence, including the guidelines and procedures for the submission of applications, can be obtained from the Ofcom website.

General information

All three licences will be issued for a twelve year period.

All applications for these licences will be published on the Ofcom website as soon as is practicable after the closing date.

Ofcom welcomes the views of the public about the local needs of listeners in these areas and the types of services required.

Opinions on these issues can either be emailed to commercialradio@ofcom.org.uk or posted to Neil Stock , Head of Radio Planning & Licensing, Ofcom, Riverside House, 2a Southwark Bridge Road , London SE1 9HA .

West Sound becomes SouthWest Sound

"West Sound" (97, 103 and 96.5FM) has changed to "South Westsound FM" and its website is now www.southwestsound.co.uk. Westsound remains the AM service on 1035 kHz.

DTT New Radio & TV Channels



On 27th September, Disney launched a new channel on the FREEVIEW service. ABC1 will offer high quality US drama and comedy from 6am to 6pm, with programmes such as General Hospital, Sports Night, Once and Again, the Geena Davis Show, Home Improvement and 8 Simple Rules. FreeView channel 15.



On 1st November the FREEVIEW service launched ITV3, offering a mix of contemporary and classic dramas, twice-weekly Hollywood movies and catch-up editions of shows such as The Bill, The Royal, Where the Heart Is, Heartbeat and Parkinson. FreeView channel 34.



On 23rd August talkSPORT launched a 24 hour sports radio station on the FREEVIEW service. Whilst the station focuses on sport, mainly football, cricket and golf, it also has non-sports output with such renowned broadcasters as James Whale, Mike Dickin, Ian Collins and Mike Mendoza. talkSPORT will have live sporting events form a vital part of the programming mix and full live commentary of England football internationals, FA Cup games, major golf competitions and Test cricket. FreeView channel 94.



3C brings an entirely new music format to the UK: contemporary country. Think Shania Twain and LeAnn Rimes, along with musically compatible artists like Tom Petty and Bruce Springsteen. It's country music like you've never heard it before, giving UK listeners a chance to discover why contemporary country is the USA's most listened to radio format. FreeView channel 95.



On 23rd August Premier Christian Radio launched on the FREEVIEW service. This station will cover news, current affairs and lifestyle issues reflecting the values and beliefs of the christian faith. The music also reflects christian life and reflects traditional and contemporary styles. FreeView channel 96.

SWITCHED ANTENNA SOCKETS for SONY TUNERS – by Julian Hardstone

The Sony range of PLL tuners is popular with FM DXers because of the facilities available, and because it is easy to change the 10.7MHz IF filters for narrower ones. Some models have the facility to switch in a fourth IF filter to give some reduction in bandwidth (for ex. ST-S370). A few Sony tuners have switchable antenna inputs (for ex. SA3ES) which is very valuable for DXers with more than one aerial, but many more have have a switchable input attenuator and a single input socket; these models can easily be converted for two input sockets, by giving up the attenuator function. If, like me, you do not regularly need to use the attenuator, you can benefit by converting to a second input.

The input attenuator is selected by a relay, which can be heard operating when you select this function, and it is a trivial job to rewire the relay to a second antenna connector. A Belling Lee -type aerial socket - the type used on all TVs in Great Britain - can be bought or salvaged, and mounted close to the original connector on the rear panel of the tuner. Note that the original connector is usually a 'male' type requiring the use of a female-to-female adaptor. The attenuator 'pad' on my ST-S370 is probably the same as on all other Sony tuners: it consists of three resistors connected as a 'T' attenuator, giving a 9dB loss, as shown in Fig.1.

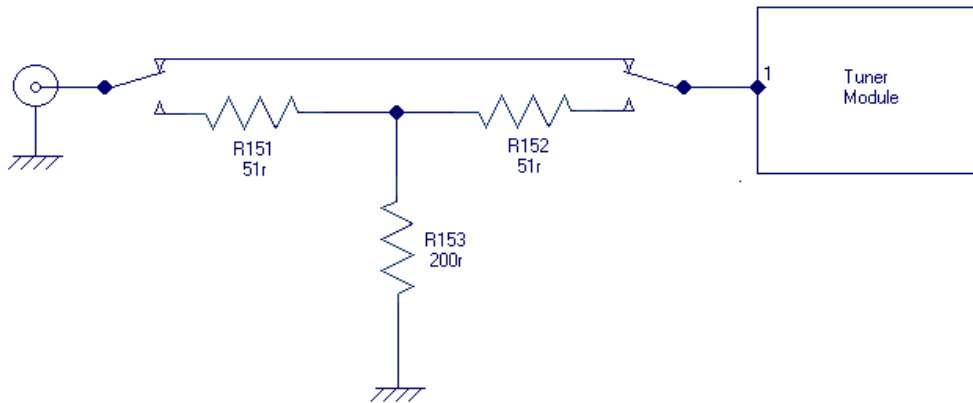


Fig 1 Original switched Attenuator

MS sans serif

The simplest modification is to connect the new socket in place of the attenuator resistor as shown in Fig.2. With a little more work, you could do a radical rewiring of the relay, such that the unused input is correctly terminated with a new 75ohm resistor - see Fig.3. This may conceivably offer some benefit in reducing re-radiation from the unused antenna.

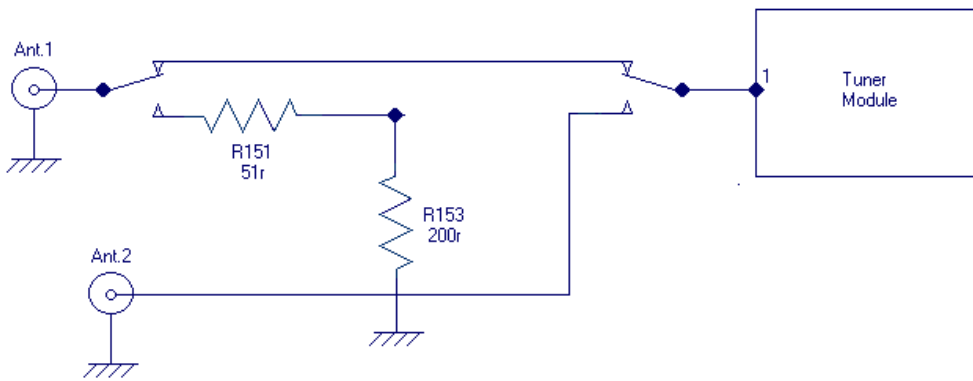


Fig 2 Simple modification for Switched I-P

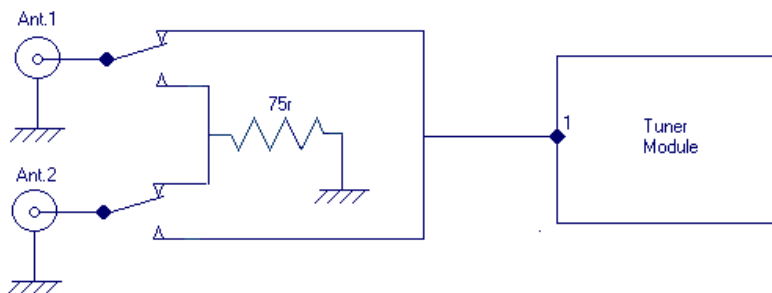


Fig.3 Fully terminated modification

There are plenty of Sony tuners going for £25 or less on ebay.co.uk at present. Please let me know the details of any Sony or other make of tuner you have modified in this way.

RSL UPDATE

Updated 4 November 2004

Compiled by MARK PRATT (Devon, UK; e-mail: mark.pratt@skywaves.info)

This list is continually updated at the Skywaves website (www.skywaves.info), where email and web addresses for many of these stations can also be found.

Location	Freq	Station	Date On	Date Off	Telephone	Details (and contributor details)
Ashton Under Lyne	87.7	Space Station Mossley	11/10/04	07/11/04	07786 437157	Community Arts Project
Aston Villa Stadium	102.7	The Villain	22/11/04	21/11/05		Stadium licence for commentary of home games for the visually impaired and blind at Aston Villa FC
Ballymena	106.3	Radio Cracker	27/11/04	24/12/04	028 2565 6313	Charity fundraiser raising funds for Third World development projects
Banbridge	106.2	Shine FM	25/11/04	22/12/04	028 4062 2445	Community radio service/celebrate Christmas
Banff	107.0	Deveron FM	22/11/04	19/12/04	01260 812000	Local service trial
Bangor	106.2	XLFM	06/12/04	15/12/04	028 9127 6600	Student broadcast
Barnard Castle	107.2	Radio Teesdale	08/11/04	05/12/04	01642 591955	Trial
Basildon	87.7	Eastgate FM	27/11/04	24/12/04	07771 664661	Various fundraising events for local charities
Bedford	87.7	Radio 101	04/10/04	05/10/04	01234 273580	Arts project at the BCA. The theme of the exhibition is the R101 airship
Birmingham	107.3	BURN FM	08/10/04	04/11/04	0121 414 6718	Student broadcast, freshers' service
Birmingham	87.7	Radio Ramadhan Birmingham	15/10/04	15/11/04	07985 695774	Holy month of Ramadan
Birmingham	106.9	Factory FM	22/10/04	30/10/04	0121 224 8340	
Birmingham	106.8	Radio Nanakana	01/11/04	28/11/04	07930 522475	Birth of Guru Nanak & Diwali
Birmingham	87.7	87.7 Vale FM	22/11/04	19/12/04	0121 749 1343	Community radio broadcast, broadcasting experience for radio trainees
Birmingham	107.3	Media FM	30/11/04	27/12/04	0121 248 0060	Training /Community
Blackburn	106.0	Radio Ramadhan Blackburn	16/10/04	16/11/04	07984 300701	Holy month of Ramadan and Eid
Bolton	87.7	Radio Ramadan	16/10/04	16/11/04	07930 558576	Holy month of Ramadan and Eid
Bournemouth	106.3	Hope FM	22/11/04	19/12/04	01202 780396	To celebrate the birth of Christ in partnership with local churches
Bradford	87.7	IQRA FM	16/10/04	16/11/04	01274 664052	Ramadan Broadcast
Bradford	107.1	SABRANG	01/11/04	28/11/04	01274611 644	Birthday of Guru Nanak Dev Ji and Diwali
Bristol	87.7	Commonwealth FM	01/11/04	28/11/04	0117 9254980 Ex 206/219	Community initiative
Brynmawr	87.7	BRFM 87.7	01/11/04	28/11/04	01495 312567	Christmas lights switch on in Brynmawr and community broadcast
Burton on Trent	107.6	Radio Ramadhan	15/10/04	15/11/04	07967 812957	Holy month of Ramadan
Cardiff	107.2	Xpress Radio	29/10/04	12/11/04	02920 781495	Student broadcast
Carshalton	87.7	Radio Ramadan	15/10/04	15/11/04	020 8647 9041	Ramadan Broadcast
Cheltenham	87.7	Open FM	12/11/04	14/11/04	01280 820438	Cheltenham Open Meeting
Cwmbran	107.5	Crow FM	27/11/04	24/12/04	01495 791599	Basic radio and journalism course & community radio trial
Derby	87.9	Radio Ikhlas	15/10/04	15/11/04	01332 202880	Ramadan Broadcast
Derby	87.9	Derwent FM	25/11/04	22/12/04	01332 831515 07971303675	Community station covering events in the Derwent area
Dudley	87.8	Radio Ramzan	15/10/04	15/11/04	01384 253951	Ramadan and Eid
Dundee	87.9	Ramadhan Radio Dundee	15/10/04	15/11/04	01382 226913 / 450426	Ramadan Broadcast
Dursley	106.7	CAM FM	22/10/04	25/10/04	01453 545190	Community broadcast
Eastbourne	87.7	EYR	23/11/04	26/11/04	01243 573409	Educational and Schools project
Edinburgh	87.7	Radio Ramadan Edinburgh	16/10/04	16/11/04	01501 763140	Holy month of Ramadan
Exeter	106.2	Exeter's 106.2 FM - Your Radio	28/11/04	19/12/04	07971 969462	Trial
Feltham	87.7	Radio Feltham	17/11/04	30/11/04	0208 844 5584	To promote National Prisoners' Week & 10th birthday of Radio Feltham
Glasgow	106.7	Bolt FM	11/10/04	24/10/04	0141 770 8559	Community project/work with people in social inclusion partnership areas
Glasgow	87.7	Radio Ramadhan	16/10/04	16/11/04	0141 574 4700	Ramadan Broadcast

Glasgow	106.7	Xfm	17/11/04 14/12/04 0207 766 6615	Trial of Xfm
Goodmayes	87.7	Radio Islam	15/10/04 15/11/04 02085522723	Holy month of Ramadan
Grantham	102.5	Priory FM	17/11/04 14/12/04 07833 735347	Trial
Grindleton	106.0	BH-BOP	04/10/04 06/10/04 01200 441374	School Broadcast project
Halifax	107.2	Radio Ramadan	16/10/04 16/11/04 07977 445554	Muslim holy month of ramadan
Harlesden, London	101.4	Life FM	16/11/04 12/12/04 020 7575 3154	Community project around the Stonebridge Housing Estate
Hartlepool	107.5	Hartlepool FM	11/10/04 07/11/04	Trial
Hartlepool	107.5	Radio Hartlepool	22/11/04 19/12/04 077865 46871	Trial
Hendon	87.7	Brent Cross FM	13/12/04 09/01/05 07956 811008	Shopping & travel information service
Hereford	87.7	Soap FM	06/11/04 07/11/04 07969 885398	Community broadcast
High Wycombe	87.9	Radio Ramzan High Wycombe	15/10/04 15/11/04 01494 512120	Holy month of Ramadan and Eid
Huntingdon	87.7	Huntingdon Community Radio	03/12/04 20/12/04 01487 823424	Community radio trial
Keighley	107.2	Ramzan FM	16/10/04 16/11/04 07832 128018	Holy month of Ramadan
Leeds	106.6	LSR FM	09/10/04 05/11/04 0113 380 1280	Student service
Leeds	87.9	Ramadan FM	15/10/04 15/11/04 0113 2143338	Holy month of Ramadan
Leek	87.7	Moorlands Radio	06/11/04 03/12/04 07766 986688	Trial community radio service
Leicester	97.5	Demon FM	04/10/04 31/10/04 0116 255 5576	Student broadcast, 10th anniversary of Demon FM
Leicester	95.1	Ramadhan FM	17/10/04 17/11/04 0116 255 6064	Holy month of Ramadan and Eid
Leicester	87.7	Panjabi Radio Kohinoor	08/11/04 05/12/04 0116 276 9297	Birth of Guru Nanak Devi Ji/Diwali
Leith	87.7	Leith FM	17/11/04 14/12/04 0131 455 2720	Training and community broadcast
Lewes	87.8	Rocket FM Lewes	22/10/04 07/11/04 01273 478198	Coverage of the Lewes Bonfire season
London N1	101.4	N1FM	02/10/04 14/10/04 020 7643 1370	Training Course for Broadcast students
Luton	87.9	Radio Ramadhan Luton	14/10/04 14/11/04 01582 458308	Holy month of Ramadhan
Manchester	106.2	TCR FM	02/10/04 29/10/04 0161 864 4499	Black History Month Coverage and Celebrations for all local community groups
Manchester	87.9	Ramadan Radio	16/10/04 16/11/04 0161 702 3896	Holy month of Ramadan and Eid
Melton Mowbray	87.7	Pageant FM	11/12/04 17/12/04 01664 859277	Melton Mowbray Christmas Pageant
Middlesbrough	107.1	Teesside Radio Ramazan	16/10/04 16/11/04 07984 183833	The celebration of the muslim holy month ramadan
Millennium Stadium	95.6	Cardiff Stadium Radio	06/11/04 19/03/05 01264 369369	Rugby referee commentary
Minster on Sea	106.6	BR FM	18/10/04 14/11/04 01268 449115	Trial
Minster-on-Sea	87.9	The Link 87.9	27/11/04 24/12/04 01255 676426	
Morecambe Bay	107.0	Diversity FM	02/10/04 29/10/04 07778 9511247	District Diversity Festival/community broadcast
Nelson	107.0	Ramadan FM	15/10/04 15/11/04 07703 575737	Ramadan Broadcast
Newcastle	106.7	NSR FM	15/11/04 10/12/04 0191 239 3967	Uni - Freshers week etc...
Newport, Isle of Wight	87.9	Angel Community Radio	18/10/04 31/10/04 01983 246810	To promote Angel Community Radio's cable service to the over 60s
Norwich	87.7	Exchange Radio Norwich	05/10/04 07/10/04 01603 612686	School project involving local primary & secondary schools in Norwich
Norwich	105.1	Future Radio	24/10/04 20/11/04 01603 250505	Community radio project
Nunhead	87.9	Radio Peckham	25/10/04 21/11/04 020 7525 1015	Radio Training Project for N-Bour-hood renewal group. Youths etc
Oldham	106.7	Radio Ramadan	15/10/04 15/11/04 07753 334287	Holy month of Ramadan
Oxford	87.7	Oxford Local Radio	15/11/04 04/12/04 07789 655351	Trial
Paisley	105.6	FPR FM	22/11/04 19/12/04 0141 889 2306	Community Radio broadcast linked with festive season events
Peterborough	87.7	Radio Ramadan	17/10/04 13/11/04	Holy month of Ramadan and Eid
Plymouth	106.6	Plymouth's 107 FM - Your Radio	10/10/04 31/10/04 07971 969462	Trial
Portishead	87.9	Dynamic FM	24/10/04 29/10/04 01275 842461	Community, Media students, Music and Arts project
Preston	107.0	Radio Ramadan	16/10/04 16/11/04 07799675176	Holy month of Ramadan
Reading	87.7	One Ummah FM	20/10/04 16/11/04 0781 662 0725	Ramadan
Rochdale	107.8	Crescent Radio	16/10/04 16/11/04 0788405 3544	Ramadhan Broadcast
Runcorn	97.6	Halton FM	16/10/04 12/11/04 0845 4507879	Community Access Trial Broadcast
Salford	97.6	Shock Radio	31/10/04 27/11/04 07815 187402	Student service at the University of Salford
Salford	106.4	Salford Community Radio	03/12/04 09/12/04 07971 778025	Community radio broadcast
Sandy	87.9	Biggles FM	11/12/04 24/12/04 01767 260637	Community broadcast & to promote the Christmas market

Selston	102.4	Radio Salistune	15/11/04 21/11/04 01773 781396	Annual Selston Festival (with a World War 2 theme)
Sheffield	87.7	Unity One Broadcasting	16/10/04 16/11/04 07709 024581	Holy month of Ramadan
Skidby	106.8	Soul City	25/11/04 22/12/04 01482 211529	Trial service
Slough	87.7	Awaaz	14/10/04 14/11/04 07985 663022	Ramadan Radio
Slough	87.9	Radio Slough FM	08/12/04 04/01/05 01753 511133	Celebrate the birthday of the tenth Guru (Shri Guru Gobin Singh)
Southall	87.7	Radio Ramadan	14/10/04 14/11/04 07834 919798	Holy month of Ramadan
Southampton	87.7	Unity 24 Community Radio	22/11/04 19/12/04 023 8023 3239	Multi cultural broadcast/radio broadcast training
Southend-on-Sea	106.6	The Hub	01/11/04 28/11/04 01702 238634	Regeneration, promote local business and Edu opps at the Uni,
Spalding	87.9	Tulip FM	09/10/04 05/11/04 01775 712400	Trial broadcast
Stockport	87.9	Pure Radio	22/11/04 19/12/04 0161 474 5954	Trial community broadcast
Swansea	102.1	Swansea Bay Radio	19/11/04 16/12/04 07904 887040	Trial
Virginia Water	107.3	HSBC World Match Play Radio	13/10/04 17/10/04 020 8233 5470	HSBC World Match Play at Wentworth
Wakefield	87.7	Radio Ramadan	15/10/04 15/11/04 07812 714316	Holy month of Ramadan and Eid
Wallsend	107.5	Youthvoice FM	11/10/04 07/11/04 07800 777489	Youth/Community Radio Initiative
Walsall	103.6	Ramazan Radio	16/10/04 16/11/04 01922 448710	Holy month of Ramadan
Warminster	87.7	WCR Community Radio	18/12/04 14/01/05 07836 232959	Community radio trial
Whitechapel	101.4	MCR Ramadan Special	15/10/04 15/11/04 020 7423 9766	Holy month of Ramadan and Eid
Wolverhampton	87.7	KIC FM	01/12/04 21/12/04 0845 4300 846	Youth orientated training project

Membership: Skywaves is published ten times a year - once a month, with the exception of March and December. It is now published in two forms: the conventional A4 paper version, sent by post, and the new electronic e-zine version, which can be downloaded by members via the Internet and read/printed on a computer using Adobe Acrobat Reader. Subscriptions to the British FM & TV Circle, who publish Skywaves, now run from January to November/December. The charges are as follows (based on ten issues):-
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E-zine: FREE to members. There is also no extra charge to join the early DX warning system.

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The Deadline for sections is the **1st of the month**, unless otherwise stated. Skywaves is compiled using Microsoft Word 98 for Mac. Electronic contributions can be sent in this, or any Word format, as RTF, plain text, or in an e-mail. Written contributions are also welcomed, typed if possible. They should be sent to the relevant section editor by post or e-mail, or to the main address on the front page of Skywaves. Note - "On Screen" deadline is the 25th of the month.

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