



# The Bulldog Rally



23rd and 24th October 1998

## HISTORIC RALLY ROAD BOOK

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## NOTES FOR COMPETITORS

### DRIVING

The organisers of the Bulldog Rally 1998 request all competitors to drive carefully on the road sections in order to minimise inconvenience to other road users and residents on route. Please observe all speed limits and drive slowly on narrow public roads - we will require them again next year and cannot afford adverse publicity.

Remember the Police may be operating radar speed checks on the route, Service crews should be reminded that adverse reports could result in exclusion for their competing crew.

### ROADBOOK

The road book describes the route for the whole rally, including Special Stages, by 'Tulip' diagrams intended to ensure that competitors easily follow the correct course.

The 'Tulip' mileage's shown have been compiled using a Brantz tripmeter and may not be in total agreement with competitors own equipment.

Not all junctions have been included on road sections, where there is no instruction to continue on the road on which you are travelling. Names on signposts were those displayed at the time of the route survey and no responsibility is accepted for subsequent changes.

At the start of every road section the target time for that section is shown. A box is provided for calculating your due time at the following control.

### SPECIAL STAGES

On special stages the 'Tulip' diagrams and stage maps of each stage are intended to ensure that competitors follow the correct route only and they should not be used as an indication of the severity of bends, etc.

Firebreaks, which are misleading, have been included in the Road Book and will be arrowed as junctions.

### START TIMES

The first competitor will start at approximately 09.00 hrs. Actual individual start times will be displayed on the Official Notice Board from 22.15 hrs on Friday.

### TIMING

Target timing is being used throughout the rally with a maximum permitted accumulated lateness of 15 minutes between successive Main Controls.

Competitors must leave each Main Control 'Out' on their scheduled time to avoid penalty.

Competitors will be regrouped at before stage 6 and at Service C. Competitors due times at MC 3 and 4 will be given on arrival at TC 5c & 7.

### **STAGE SAFETY**

An ambulance, doctor and recovery vehicle will be available on all Stages.

Radio communication equipment is sited at all Stage Starts and Finishes, as well as points along the route through the forest. Should you be forced to stop for any reason on a Special Stage, you must display your 'OK' board to the following competitors or if, and ONLY if, you require immediate medical assistance, you should display your 'SOS' board. Try to make your competition number visible to following cars. Put out your RED TRIANGLE to warn competitors and protect your own car.

When you come across a competitor stopped on a Stage, confirm that human life is not in danger and that a 'SOS' is not being shown. Note the location of the car in relation to the numbered junctions and its competition number and report the facts to the Stage Finish crew.

**Remember that it may be you who next require assistance.**

### **RECOVERY**

The organisers will attempt to link 'lost' crews with their service personnel with the help of the safety radio network if practicable when the relevant stage has closed.

A recovery vehicle will pass through each special stage to extricate competitors from immediate difficulties after the Course Closing Car has shut the Stage.

### **RETIREMENTS**

Please hand in your Time Cards to an official and submit your Damage Declaration to the organisers, via the nearest convenient Time Control or at Rally HQ.

### **RESULTS**

Any queries regarding times, etc., should be made in writing on the form provided at the back of the Road Book and handed in to an official of the Help Desk at Rally HQ.

## NOTES FOR SERVICE CREWS

Read these instructions carefully, and exercise care and courtesy when driving through towns and villages on route.

Each registered Service Vehicle is issued with a Rally Service Plate which must be affixed to the vehicle's windscreen. This plate will bear the letter 'S' and a number corresponding to that of the competitor receiving the Service Pack where practical.

Each Management vehicle will have similar plate but bearing the prefix 'M', to be fixed to the vehicle and be on display at all times.

Service Crews and Management Crews **MUST** follow the instructions given regarding Service Areas and the route between them. Any Competitor whose Service or Management Vehicle is *observed* in an OUT OF BOUNDS area will be penalised 10 minutes for the first offence and by EXCLUSION from the results for the second offence; any Competitor *receiving assistance* from a Service or Management Vehicle in an OUT OF BOUNDS area will be EXCLUDED on the **first offence** (see Art.17.8).

All the above vehicles will be allowed into all main Service Areas.

Time Controls are situated at the exit of each main service area and service crews must follow the instructions of marshals at these controls.

Regrouping will operate after service B and in service area C, to close up any gaps and keep the rally together as much as possible.

Judges of Fact will be patrolling the road sections and service crews are reminded that their associated competing car may be penalised for any infringement of the servicing regulations - including excessive noise, bad driving manners, etc. (see Art. 17.6).

In the event of their competitor retiring within a special stage, service crews may wait at the start of the stage until it closes and they will then be allowed to enter to retrieve the car under the instruction of the stage commander.

As usual the various Police Authorities will be observing the Rally and speed checks may be expected during the event.

## SERVICING & SERVICE AREAS

PAGE v

Competitors are reminded that they are responsible for the conduct of their service crews. Servicing by Service Vehicles with a 'Service Plate' is ONLY permitted in the **three official service areas**, which are located as below.

N.B. ONLY vehicles registered with the organisers and visibly displaying their Service Plate will be allowed to enter the service areas.

### NO RALLY PLATE - NO ENTRY

**Emergency Servicing** by Management Vehicles with a 'Management Plate' is permitted in the three official service areas after most stages.

THE THICK BLACK line along the right hand side of the tulips in the Road Book indicates NO EMERGENCY SERVICE. No thick black line in the road book indicates that emergency service is permitted.

#### SERVICE AREA A

NOT USED

#### SERVICE AREA B

MACHYNLLETH

MR 135/747007

First Car Due: 11.20 hrs.

Time allowed - variable  
(Between 15 & 30 minutes)

Servicing in Main Public Car Park. Use Service Vehicle Route.

#### SERVICE AREA C

DOLGELLAU

MR 124/735181<sup>1/2</sup>

First Car Due: 13.15 hrs.

Time allowed - variable  
(Between 15 & 30 minutes)

Servicing in Farmers Mart complex. Use Service Vehicle Route.

#### SERVICE AREA D

SHREWSBURY

MR 126/485137

First Car Due: 16.00 hrs.

Time allowed - variable  
(Built into road section)

Servicing in trailer park area adjacent to showground. Use Service Vehicle Route.

#### FACILITIES AVAILABLE

Hot and cold food and refreshments will be available as well as toilets (male & female), washing facilities at Service Areas B and C. Full facilities for Area D are on the showground.

## SERVICE VEHICLE ROUTE

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Service vehicles are required to follow the designated route between the service areas, as follows:

### START TO SERVICE B – MACHYNLLETH (27 Miles) MAP 135 / 136

**First car due at about 10.45 hrs.**

Take A489, west from Newtown towards Llangurig & Machynlleth.  
After 4 miles turn right before the level crossing towards Cemmaes Road & Machynlleth on A470  
After another 18 miles, at the island at Cemmaes Road, turn left onto A489 to Machynlleth  
After 5 miles the Service area is on the left before the pedestrian traffic lights.

### SERVICE B - MACHYNLLETH TO SERVICE C- DOLGELLAU

**First car due about 12.35 hrs. (16 Miles) MAP 124/135**

Leave service area and at main road turn left  
After 0.1 miles turn right on to A 487 to Dolgellau  
After another 1 mile after the river bridge keep right to A487 – Dolgellau  
After another 12 miles turn left onto A470 to Dolgellau  
After another 2.75 miles turn right onto A494 to Bala  
The entrance to the service area is 0.1 miles on the left.

### SERVICE C- DOLGELLAU - TO FINISH ( 60 Miles) MAP 124/ 125/ 126

**First car due about 15.20 hrs.**

Exit Service Area and at A494 turn right.  
After 0.1 miles turn left onto A470 to Llangurig & Machynlleth  
After another 2.75 miles keep left on A470 to Llangurig  
After another 8 miles turn left at island onto A458 to Welshpool  
After another 16 miles turn left onto A 495 to Meifod & Oswestry  
After another 15.75 miles keep right on A495 to Oswestry  
After another 2 miles cross A483 taking B4396 to Knockin  
Continue on B4396 through Knockin  
1.5 miles beyond Knockin fork left onto B4397 to Baschurch  
After another 0.75 miles cross the A5 towards Ruyton-XI-Towns

After another 4 miles turn right in Baschurch towards Shrewsbury and Bomere Heath

After another 0.75 miles turn left at the island to Shrewsbury

The finish service area is in the trailer park 6 miles on the right.

**ALL OTHER ROADS ARE OUT OF BOUNDS TO SERVICE VEHICLES DURING THE PERIOD OF THE RALLY.**

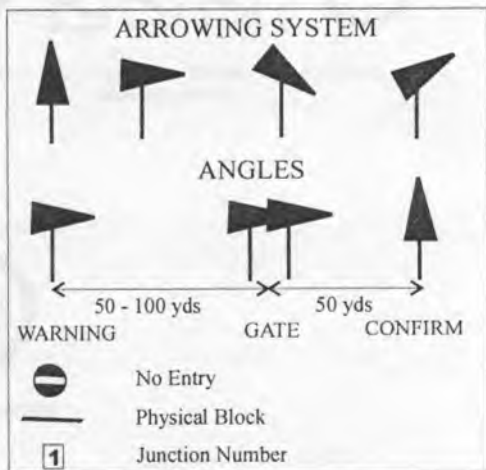
The penalty for servicing other than at the official sites or for service vehicles being observed other than on the official route detailed above is EXCLUSION. Judges of Fact have been appointed to look for offenders both on and off route.

**SUMMARY OF COMPETITOR'S RALLY MILEAGES**

<u>Rally Section</u>	<u>Road Miles</u>	<u>Stage Miles</u>	<u>No. Of Stages</u>
Start to Service B	48	26	3
Service B to Service C	20	24	2
Service C to Finish	61	11	2

Position of arrows at JUNCTIONS in conjunction with No Entry boards.

It should be noted that the gate formed by two arrows is always immediately before the junction on the approach road and to avoid ambiguity, where necessary, the angle of directional change will be exaggerated. Incorrect roads will have 'No Entry' boards and will be blocked but not necessarily at the junction. The junction number (indicated in the road book) will be fixed to the warning arrow.





# RALLY CONTROL SIGNS

## Main or Time Control

Start of Control Zone



Yellow background

Site of Control



Red background

End of Control Zone



Yellow background

## Special Stage Start

Start of Control Zone



Yellow background

Site of Arrival Control



Red background

Site of Stage Start



Red background

## Special Stage Finish

Advanced Warning  
of Flying Finish

Yellow background

Site of Flying Finish



Red background

Countdown Boards  
(Equally Spaced)

Site of Finish Control



Red background

## Passage Control

Start of Control Zone



Yellow background

Site of Passage Control



Red background

# HISTORIC RALLY ROUTE DEFINED BY REFERENCE

Page x

ROUTE	INFORMATION	MAP REFERENCE	APP	DEP
MC1	Assembly point	136/ 092½906		
via	Start	092½905½		W
ATC3	Stage 3 - Tarenig	135/ 839823	SE	NW
FTC3		809785	SW	NE
ATC4	Stage 4 - Myherin	800½777	NE	
FTC4		765½757½		S
via		778753½	W	S
PC4		742771		E
via		751812	S	W
ATC5	Stage 5 - Taliesin	737½919½	SW	
FTC5		669½937		NE
PC5		683½950	SW	NE
TC5a	Service B - Machynlleth	747007	N	
TC5b	Machynlleth service out	747½007		N
TC5c	Regroup in	124/ 760064	SW	NE
MC3	Regroup out	763065½	SW	W
ATC6	Stage 6 - Dyfi Main	761065½	E	
FTC6		813104		N
ATC7	Stage 7 - Gartheiniog	805111	NE	
FTC7		827109		E
PC7		846101½	W	N
Via		857½130	S	N
TC7	Service C - Dolgellau	735181½	SW	
MC4	Dolgellau service out	735181½		SW
Via		862125½	NW	NE
ATC8	Stage 8 - Dyfnant	125/ 989133½	SW	
FTC8		003160		S
PC8		015174	W	E
via		071173	SW	NE
via		172184	NW	NE
via		126/ 282241	NW	E
via		424½222	W	S
via		483141	NW	S
via	Service D - Showground	485137	NW	SE
via	Exit Service D	487135½	NW	S
ATC9	Stage 9 - Showground	487134	N	
FTC9		485135		E
PC9		485135	W	S
MC5	Finish	485½134½	W	N

# 'Tulip' Road Book

## Introduction

The Road book describes the route for the whole rally, including Special Stages, by 'tulip' diagrams.

Junctions on road sections where the route is obvious have not been included, competitors should simply continue on the road on which they are travelling. The names quoted as appearing on a sign post were those present at the time of survey and cannot be guaranteed.

All speed limits, 'Give Way' and 'Stop' junctions have been shown. Please observe them as the police know you are coming.

Please drive carefully and quietly on Public roads, especially near to forests as they are narrow and there are local residents who will be using them.

There is a measured mile along the A470 as leaving Newtown (between tulip references 2 & 3 in Road Section 0) for competitors wishing to check their trip against the one used during route survey.

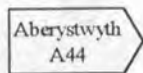
On Special Stages the advanced warning arrow on each hazard or junction will bear the same number as the corresponding 'tulip' in the road book.

A thick black line in the right hand side of the Information column indicates that Emergency service is **not** permitted in these areas.

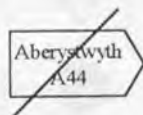
## Key to Symbols used in the Road Book



'Tulip'. Approach from dot. Depart towards arrowhead.



Signpost - Enclosing directions to follow.



Signpost - Enclosing directions not to follow.

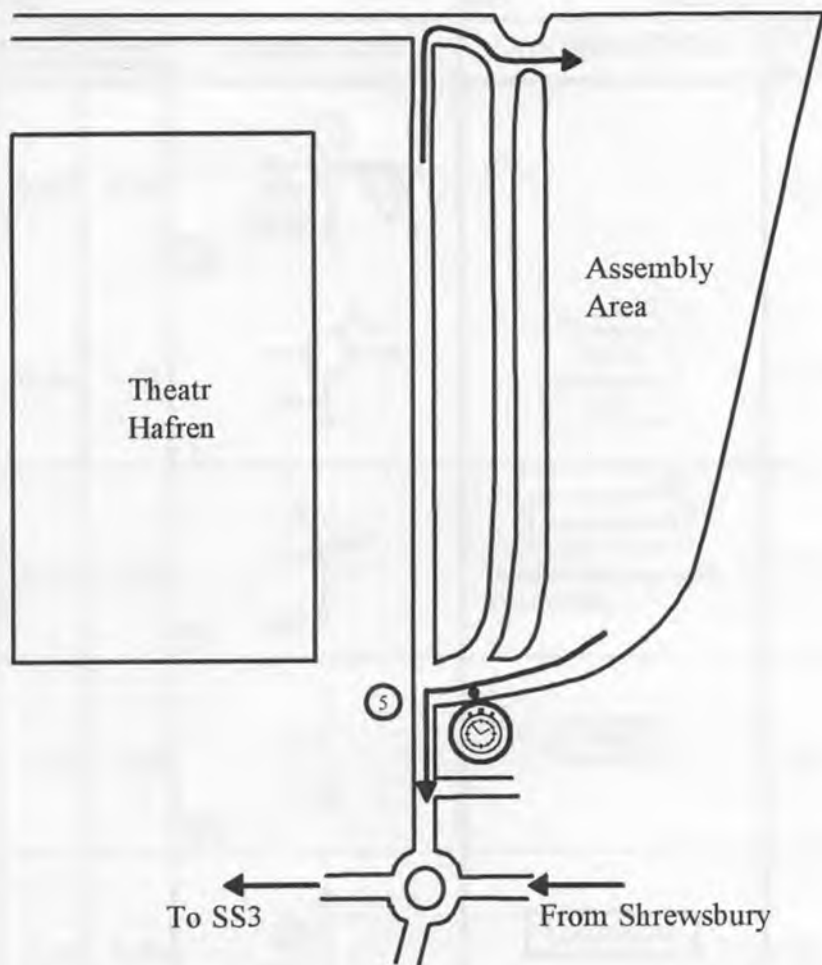


Traffic Island.

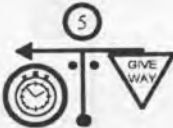
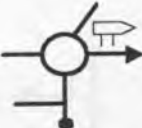
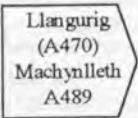

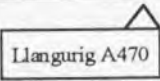




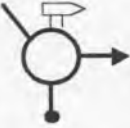
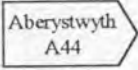
Key to Symbols used in the Road Book (Continued)

	Radio point		Service
	Doctor		Time Control
	Traffic lights		Passage Control
	Bridge		Stage start Control
	Village or town		Flying finish
	House or building		Stage finish Control
	Telephone kiosk		Care
	Speed limit in miles per hour		Great Care
	Give Way to main road		Extreme Care
	Stop at junction		Brow or crest
	No Entry		
	Petrol available		






# Newtown Start











Arrive at least 20 minutes before due start time.  
Map reference 136/092905

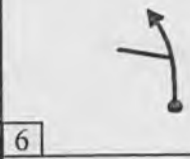
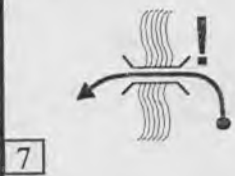
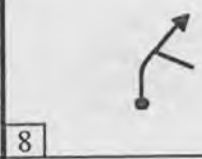
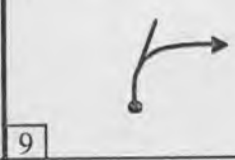



RS	0	NEWTOWN	MC1	MC1	TIME		PAGE	4
VIA	-	TO	ATC3	TARGET	45 MINS	DISTANCE	22.35 MILES	
PC	-	TARENIG		DUE		AVERAGE	29.80 MPH	
MILES		DIRECTION	INFORMATION	MILES to TC				
TOTAL	INTERVAL							
0.00	0.00		MC1		22.35			
0.03	0.03				22.32			
4.41	4.38			Measured mile starts on the level crossing.	17.94			
5.41	1.00				16.94			
6.20	0.79				16.15			
17.02	10.82				5.33			

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RS	0	NEWTOWN	MC1	MC1 TIME		PAGE	5
VIA	-	TO	ATC3	TARGET	45 MINS.	DISTANCE	22.35 MILES
PC	-	TARENIG		DUE		AVERAGE	29.80 MPH
MILES		DIRECTION	INFORMATION	MILES to TC			
TOTAL	INTERVAL						
17.19	0.17		LLANGURIG		5.16		
		6					
22.01	4.82		CEREDIGION Onto asphalt. Ignore 'No Entry' sign		0.34		
		7					
22.19	0.18		Onto gravel.		0.16		
		8					
22.35	0.16		ATC3		0.00		
		9					
22.40	0.05		SS3				
		10					




STAGE	TARENIG Bumpy from junctions 3 to 5 but generally smooth and fast		GRAVEL	9.18 MILES	PAGE	6
			ASPHALT	0.00 MILES	BOGEY	8m 30s
3			TOTAL	9.18 MILES	TARGET	19m 00s
MILES		DIRECTION	INFORMATION	MILES to FF		
TOTAL	INTERVAL					
0.00	0.00		START SS3		9.18	
1.03	1.03				8.15	
1.29	0.26				7.89	
1.48	0.19		Large drops on left hand side after this junction.		7.70	
3.12	1.64		EXTREME CARE - RAC caution. Big drop on outside of right hand bend.		6.06	
3.70	0.58				5.48	




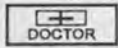









STAGE	TARENIG		GRAVEL 9.18 MILES	PAGE	7
	Bumpy from junctions 3 to 5 but generally smooth and fast		ASPHALT 0.00 MILES	BOGEY	8m 30s
3			TOTAL 9.18 MILES	TARGET	19m 00s
MILES		DIRECTION	INFORMATION	MILES	
TOTAL	INTERVAL			to FF	
4.36	0.66				4.82
5.03	0.67		CARE - Narrow bridge with kerbs.		4.15
5.10	0.07				4.08
6.30	1.20				2.88
					
					




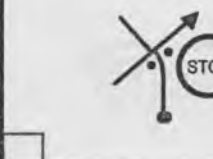




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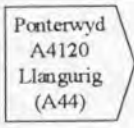
STAGE	TARENIG		GRAVEL	9.18 MILES	PAGE	8
	Bumpy from junctions 3 to 5 but generally smooth and fast		ASPHALT	0.00 MILES	BOGEY	8m 30s
3			TOTAL	9.18 MILES	TARGET	19m 00s
MILES		DIRECTION	INFORMATION		MILES to FF	
TOTAL	INTERVAL					
8.24	1.94	 10			0.94	
9.18	0.94	 11			0.00	
9.29	0.11	 	FTC3			

RS	3	TARENIG	FTC3	FTC3 TIME		PAGE	9
VIA	-	TO	ATC4	TARGET	5 MINS.	DISTANCE	0.80 MILES
PC		MYHERIN		DUE		AVERAGE	9.60 MPH
MILES		DIRECTION	INFORMATION	MILES			
TOTAL	INTERVAL			to TC			
0.00	0.00		FTC3 Drive slowly to stage 4.		0.80		
0.80	0.80		ATC4		0.00		
0.83	0.03		SS4				

STAGE	MYHERIN Good smooth stage with some tricky bends just after start.		GRAVEL	5.11 MILES	PAGE	10
			ASPHALT	0.00 MILES	BOGEY	4m 45s
4			TOTAL	5.11 MILES	TARGET	11m 00s
MILES		DIRECTION	INFORMATION		MILES to FF	
TOTAL	INTERVAL					
0.00	0.00	 	START SS4	 	5.11	
0.23	0.23		CARE over crest.	4.88		
1.04	0.81			4.07		
2.10	1.06			3.01		
3.08	0.98			2.03		
3.30	0.22			1.81		










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STAGE	MYHERIN		GRAVEL	5.11 MILES	PAGE	11
	Good smooth stage with some tricky bends just after start.		ASPHALT	0.00 MILES	BOGEY	4m 45s
4			TOTAL	5.11 MILES	TARGET	11m 00s
MILES		DIRECTION	INFORMATION			MILES to FF
TOTAL	INTERVAL					
4.43	1.13					0.68
5.11	0.68					FTC4
5.21	0.10					
						
						
						
						





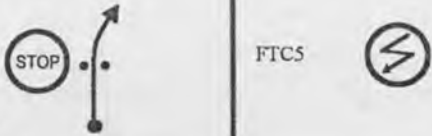
RS	4	MYHERIN	FTC4	FTC4 TIME		PAGE	12
VIA	4	TO	ATC5	TARGET	45 MINS	DISTANCE	18.07 MILES
PC		TALIESIN		DUE		AVERAGE	24.09 MPH
MILES		DIRECTION	INFORMATION	MILES		MILES	
TOTAL	INTERVAL			to TC	to TC	to TC	to TC
0.00	0.00		FTC4				18.07
		0					
0.09	0.09		No management vehicles permitted in picnic area to right of junction. Maximum of 10 minutes allowed for emergency service.				17.98
		1					
0.98	0.89						17.09
		2					
1.09	0.11						16.98
		3					
1.27	0.18		Onto asphalt. CARE as joining main road.				16.80
		4					
3.94	2.67						14.13
		5	PC4 - Hand in time cards.				

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RS	4	MYHERIN	FTC4	FTC4 TIME		PAGE	13
VIA	4	TO		TARGET	45 MINS	DISTANCE	18.07 MILES
PC		TALIESIN	ATC5	DUE		AVERAGE	24.09 MPH
MILES		DIRECTION	INFORMATION	MILES to TC			
TOTAL	INTERVAL						
6.98	3.04		LLANGURIG		11.09		
		6					
7.24	0.26		NANT-Y-MOCH			10.83	
		7					
16.75	9.51		<del>TALYBONT</del> Onto gravel.			1.32	
		8					
17.47	0.72				0.60		
		9					
18.07	0.60		ATC5 Ignore 'No Entry' sign.		0.00		
		10					
18.12	0.05		SS5				
		11					


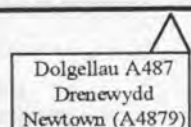
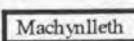

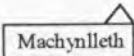

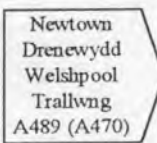



STAGE	TALIESIN		GRAVEL 10.02 MILES	PAGE	14
	Predominantly down hill and fairly fast with a tight rougher uphill section between junctions 4 and 5.		ASPHALT 0.00 MILES	BOGEY	9m 15s
5			TOTAL 10.02 MILES	TARGET	20m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
0.00	0.00	 0	START SS5 	10.02	
2.49	2.49	 1		7.53	
3.09	0.60	 2		6.93	
3.59	0.50	 3		6.43	
4.65	1.06	 4		5.37	
5.81	1.16	 5		4.21	



STAGE	TALIESIN		GRAVEL 10.02 MILES	PAGE	15
	Predominantly down hill and fairly fast with a tight rougher uphill section between junctions 4 and 5.		ASPHALT 0.00 MILES	BOGEY	9m 15s
5			TOTAL 10.02 MILES	TARGET	20m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
8.53	2.72			1.49	
		6			
8.91	0.38			1.11	
		7			
10.02	1.11			0.00	
		8			
10.15	0.13		FTCS		

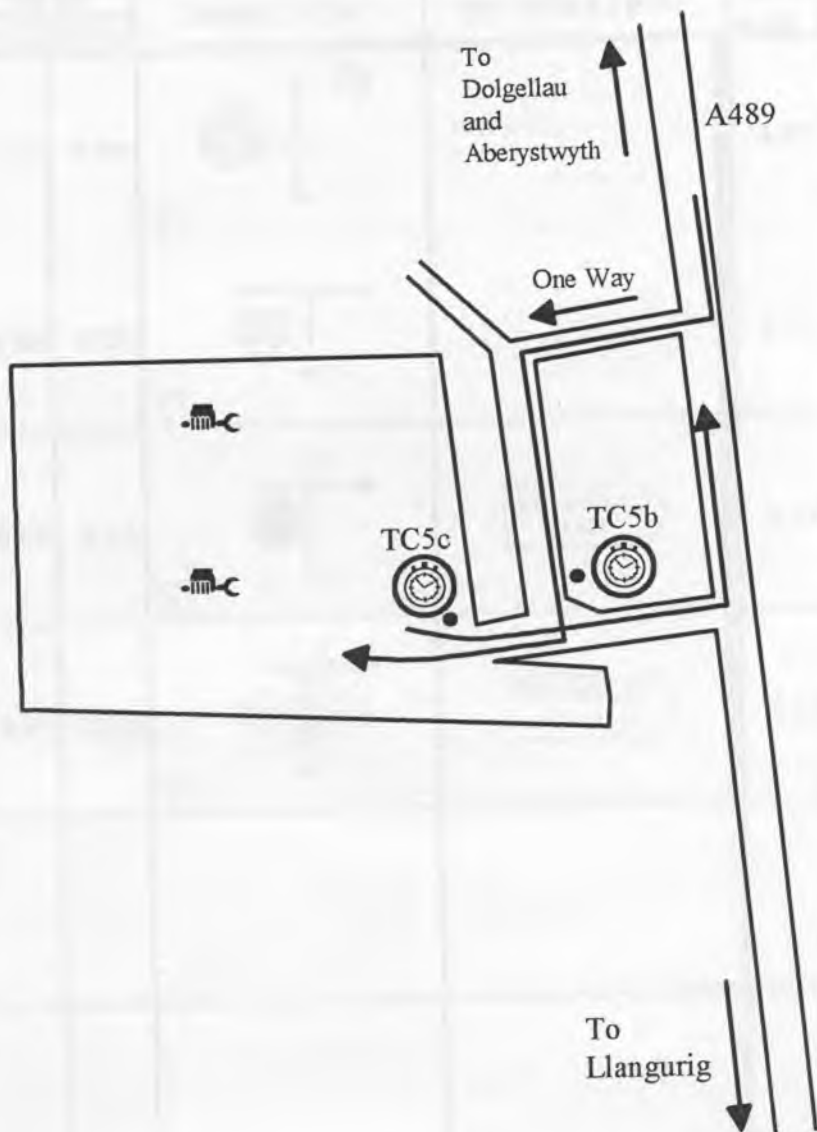
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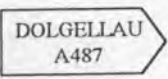

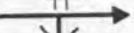

RS	5a	TALIESIN	FTC5	FTC5 TIME		PAGE	16
VIA	5	TO	TC5a	TARGET	20 MINS	DISTANCE	7.54 MILES
PC		MACHYNLLETH		DUE		AVERAGE	22.62 MPH
MILES		DIRECTION		INFORMATION			MILES
TOTAL	INTERVAL						to TC
0.00	0.00			FTC5			7.54
		0					
0.22	0.22			Onto asphalt.			7.32
		1					
1.16	0.94			<div style="border: 1px solid black; padding: 2px; display: inline-block;">FFWRNAIS FURNACE</div> PC5 - Hand in time card.			6.38
		2					
5.30	4.14						2.24
		3					

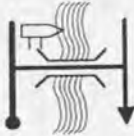





RS	5a	TALIESIN	FTC5	FTC5 TIME		PAGE	17
VIA	5	TO	TC5a	TARGET	20 MINS	DISTANCE	7.54 MILES
PC		MACHYNLLETH		DUE		AVERAGE	22.62 MPIL
MILES		DIRECTION		INFORMATION			MILES to TC
TOTAL	INTERVAL						
7.04	1.74			 Dolgellau A487 Drenewydd Newtown (A4879)			0.50
		4		 Machynlleth			
7.21	0.17			 Machynlleth Mini Roundabouts			0.33
		5					
7.38	0.17			 Newtown Drenewydd Welshpool Trallwng A489 (A470)			0.16
		6					
7.45	0.07			Turn right immediately after pelican crossing.			0.09
		7					
7.49	0.04						0.05
		8					
7.54	0.05			TC5a Service IN.			0.00
		9					



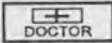





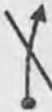
RS	5b	SERVICE IN	TC5a	TC5a TIME		PAGE	18
VIA		TO		TARGET	20 MINS	DISTANCE	0.00 MILES
PC	-	SERVICE OUT	TC5b	DUE		AVERAGE	0.00 MPH
MILES		DIRECTION		INFORMATION			MILES to TC
TOTAL	INTERVAL						
0.00	0.00			TC5a Service IN.			0.00
0.00	0.00			TC5b Service OUT.			0.00

# Service area B - Machynlleth











RS	5c	MACHYNLLETH	TC5b	TC5b TIME	PAGE	20	
VIA	-	TO	TC5c	TARGET	12 MINS	DISTANCE	4.95 MILES
PC	-	REGROUP	TC5c	DUE		AVERAGE	24.75 MPH
MILES		DIRECTION		INFORMATION		MILES	
TOTAL	INTERVAL					to TC	
0.00	0.00			TC5b		4.95	
		0					
0.05	0.05					4.90	
		1					
0.18	0.13					4.77	
		2					
0.93	0.75					4.02	
		3					










RS	5c	MACHYNLLETH	TC5b	TC5b TIME	PAGE	21	
VIA PC	-	TO REGROUP	TC5c	TARGET	12 MINS	DISTANCE	4.95 MILES
				DUE		AVERAGE	24.75 MPH
MILES		DIRECTION		INFORMATION		MILES to TC	
TOTAL	INTERVAL						
4.57	3.64	4		ESGAIRGEILIOG CEINWS		0.38	
4.69	0.12	5		ESGAIRGEILIOG CEINWS		0.26	
4.83	0.14	6		Onto gravel.		0.12	
4.95	0.12	7		TC5c Regroup IN.		0.00	
5.18	0.23	8		MC3 Regroup OUT.			
5.23	0.05	9		SS6			

STAGE	DYFI MAIN		GRAVEL 11.28 MILES	PAGE	22
	Fairly tight to junction 2 but then opens out into a fast flowing stage.		ASPHALT 0.00 MILES	BOGEY	10m 25s
6			TOTAL 11.28 MILES	TARGET	23m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
0.00	0.00		START SS6  	11.28	
		0			
0.22	0.22			11.06	
		1			
0.72	0.50			10.56	
		2			
1.09	0.37			10.19	
		3			
1.88	0.79			9.40	
		4			
2.63	0.75			8.65	
		5			







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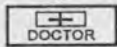







STAGE	DYFI MAIN		GRAVEL 11.28 MILES	PAGE	23
	Fairly tight to junction 2 but then opens out into a fast flowing stage.		ASPHALT 0.00 MILES	BOGEY	10m 25s
6			TOTAL 11.28 MILES	TARGET	23m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
2.90	0.27				8.38
		6			
4.34	1.44				6.94
		7			
4.74	0.40				6.54
		8			
5.35	0.61				5.93
		9			
5.84	0.49				5.44
		10			
6.73	0.89		CARE - Large drop on outside of bend.		4.55
		11			

STAGE	DYFI MAIN Fairly tight to junction 2 but then opens out into a fast flowing stage.		GRAVEL 11.28 MILES	PAGE	24
			ASPHALT 0.00 MILES	BOGEY	10m 25s
6			TOTAL 11.28 MILES	TARGET	23m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
8.26	1.53			3.02	
8.62	0.36			2.66	
8.95	0.33			2.33	
10.11	1.16			1.17	
11.28	1.17			0.00	
11.41	0.13		FTC6 		

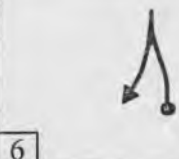
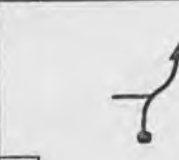
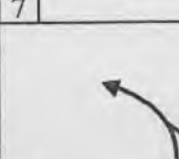
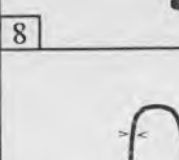

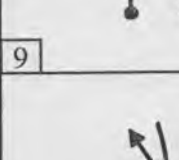
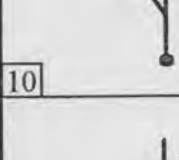
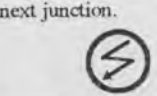
Bulldog Rally 1998

RS	6	DYFI MAIN	FTC6	FTC6 TIME		PAGE	25
VIA		TO		TARGET	10 MINS.	DISTANCE	0.80 MILES
PC	-	GARTHEINIOG	ATC7	DUE		AVERAGE	4.80 MPH
MILES		DIRECTION	INFORMATION	MILES			
TOTAL	INTERVAL			to TC			
0.00	0.00		FTC6		0.80		
		0					
0.08	0.08		Onto asphalt.		0.72		
		1					
0.28	0.20		Onto gravel. Ignore 'No Entry'.		0.52		
		2					
0.74	0.46				0.06		
		3					
0.80	0.06		ATC7		0.00		
		4					
0.86	0.06		SS7				
		5					


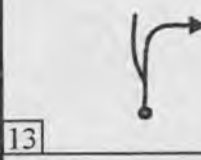

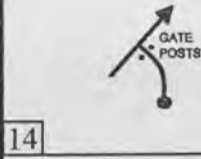

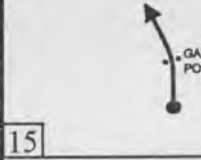
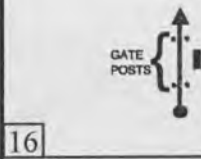
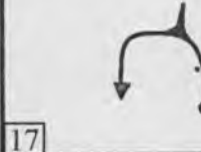
Bulldog Rally 1998

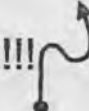



STAGE	GARTHEINIOG		GRAVEL 12.38 MILES	PAGE	26
	Fastest stage of rally, a little tight at first but then opens out.		ASPHALT 0.41 MILES	BOGEY	11m 47s
7			TOTAL 12.79 MILES	TARGET	26m 00s
MILES		DIRECTION	INFORMATION		MILES to FF
TOTAL	INTERVAL				
0.00	0.00		START SS7	 	12.79
1.21	1.21				11.58
1.34	0.13				11.45
1.65	0.31				11.14
2.44	0.79				10.35
2.65	0.21				10.14


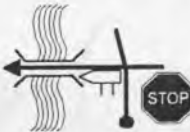




Bulldog Rally 1998

STAGE	GARTHEINIOG Fastest stage of rally, a little tight at first but then opens out.		GRAVEL 12.38 MILES	PAGE	27
			ASPHALT 0.41 MILES	BOGEY	11m 47s
7			TOTAL 12.79 MILES	TARGET	26m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
4.70	2.05				8.09
4.87	0.17				7.92
5.18	0.31				7.61
5.39	0.21				7.40
6.18	0.79				6.61
8.11	1.93		CARE - Steep and muddy to next junction. 		4.68

Bulldog Rally 1998



STAGE	GARTHEINI OG		GRAVEL 12.38 MILES	PAGE	28
	Fastest stage of rally, a little tight at first but then opens out.		ASPHALT 0.41 MILES	BOGEY	11m 47s
7			TOTAL 12.79 MILES	TARGET	26m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
8.40	0.29				4.39
9.38	0.98				3.41
10.29	0.91		Onto asphalt. 		2.50
10.54	0.25				2.25
10.70	0.16		Onto gravel.		2.09
11.00	0.30				1.79

STAGE	GARTHEINIOG		GRAVEL 12.38 MILES	PAGE	29
	Fastest stage of rally, a little tight at first but then opens out.		ASPHALT 0.41 MILES	BOGEY	11m 47s
7			TOTAL 12.79 MILES	TARGET	26m 00s
MILES		DIRECTION	INFORMATION	MILES	
TOTAL	INTERVAL			to FF	
12.08	1.08	!!! 	EXTREME CARE - RAC caution.		0.71
		18			
12.79	0.71				0.00
		19			
13.12	0.33	STOP 	FTC7 		

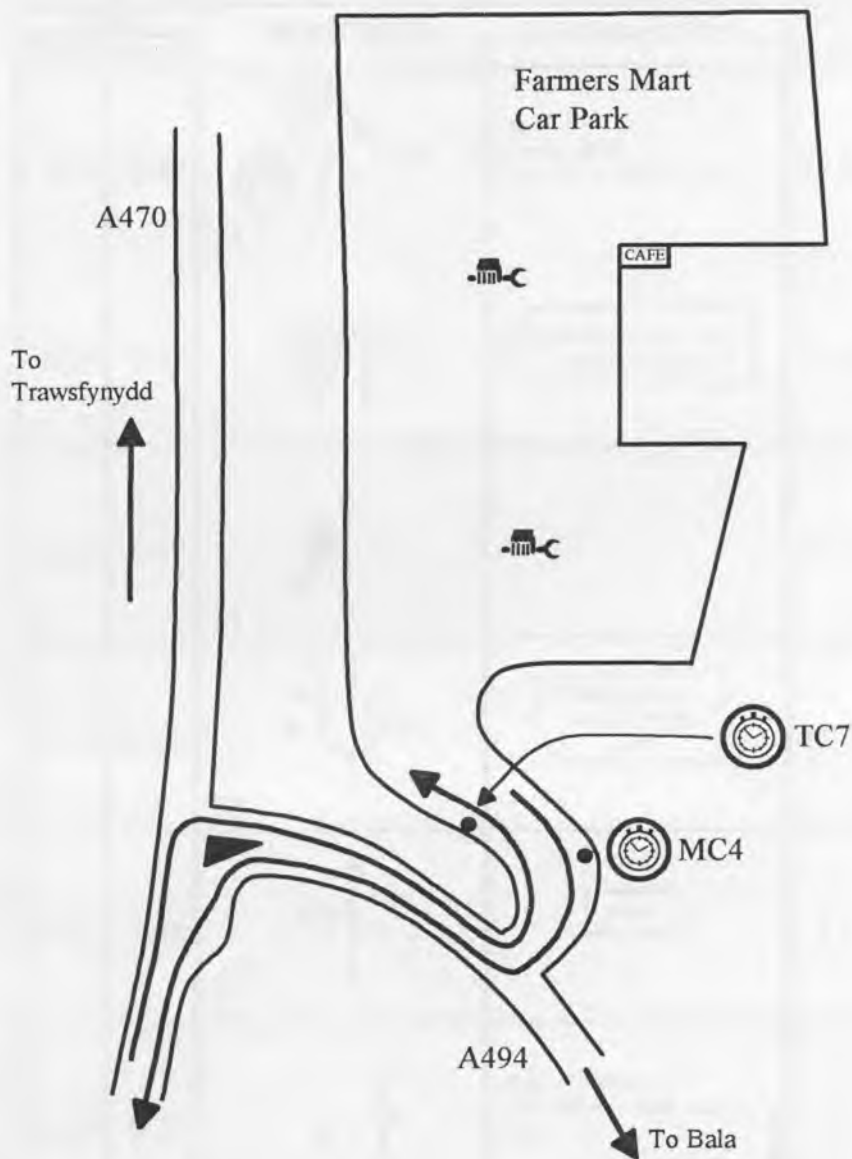
RS	7a	GARTHEINIOG	FTC7	FTC7 TIME		PAGE	30
VIA	7	TO	TC7	TARGET	30 MINS	DISTANCE	13.93 MILES
PC		DOLGELLAU		DUE		AVERAGE	27.86 MPH
MILES		DIRECTION	INFORMATION	MILES to TC			
TOTAL	INTERVAL						
0.00	0.00		FTC7	13.93			
		0					
0.45	0.45		ABERANGELL	13.48			
		1					
0.49	0.04			13.44			
		2					
1.50	1.01		PC7 - Hand in time cards.	12.43			
		3					
3.01	1.51			10.92			
		4					
4.23	1.22			9.70			
		5					

Bulldog Rally 1998






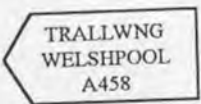





RS	7a	GARTHEINI OG	FTC7	FTC7 TIME		PAGE	31
VIA	7	TO	TC7	TARGET	30 MINS	DISTANCE	13.93 MILES
PC		DOLGELLAU		DUE		AVERAGE	27.86 MPH
MILES		DIRECTION	INFORMATION	MILES		MILES	
TOTAL	INTERVAL			to TC	to TC	to TC	to TC
13.83	9.60	 <div style="border: 1px solid black; padding: 2px; display: inline-block;">6</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">BALA A494</div>				0.10
13.93	0.10	 <div style="border: 1px solid black; padding: 2px; display: inline-block;">7</div>	TC7 Service area IN.				0.00




# Service area C - Dolgellau













Bulldog Rally 1998

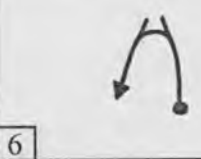

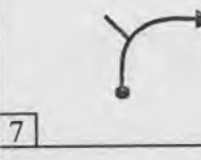
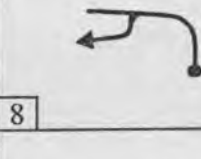
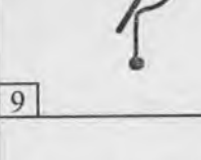

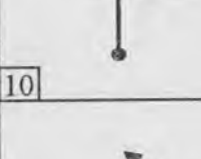
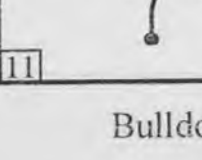
RS	7b	DOLGELLAU TO DYFNANT	MC4 ATC8	MC4	TIME	PAGE	33
				TARGET	43 MINS	DISTANCE	21.46 MILES
VIA	PC	-		DUE		AVERAGE	29.94 MPH
MILES		DIRECTION	INFORMATION	MILES		to TC	
TOTAL	INTERVAL						
0.00	0.00	 0	MC4 Service OUT. Zero trip as joining public road.	21.46			
0.07	0.07	 1		21.39			
0.74	0.67	 2		20.72			
10.74	10.00	 3		10.72			
19.92	9.18	 4		1.54			
20.09	0.17	 5	CARE - Narrow road. Post Office on right hand side.	1.37			

Bulldog Rally 1998









RS	7b	DOLGELLAU TO DYFNANT	MC4 ATC8	MC4	TIME	PAGE	34
				TARGET	43 MINS	DISTANCE	21.46 MILES
VIA	PC	-		DUE		AVERAGE	29.94 MPH
MILES		DIRECTION	INFORMATION	MILES		to TC	
TOTAL	INTERVAL						
21.33	1.24		Onto gravel.				0.13
		6					
21.46	0.13		ATC8				0.00
		7					
21.48	0.02		SS8				
		8					

STAGE	DYFNANT Fairly narrow sections at start and finish but mostly a smooth flowing stage.		GRAVEL 10.29 MILES	PAGE	35
			ASPHALT 0.00 MILES	BOGEY	9m 30s
8			TOTAL 10.29 MILES	TARGET	21m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
0.00	0.00		START SSS  	10.29	
		0			
1.15	1.15			9.14	
		1			
1.85	0.70			8.44	
		2			
2.19	0.34			8.10	
		3			
3.41	1.22			6.88	
		4			
3.59	0.18			6.70	
		5			




Bulldog Rally 1998

STAGE	DYFNANT		GRAVEL 10.29 MILES	PAGE	36
			ASPHALT 0.00 MILES	BOGEY	9m 30s
8	Fairly narrow sections at start and finish but mostly a smooth flowing stage.		TOTAL 10.29 MILES	TARGET	21m 00s
MILES		DIRECTION	INFORMATION	MILES	
TOTAL	INTERVAL			to FF	
4.63	1.04			5.66	
4.97	0.34			5.32	
6.07	1.10			4.22	
7.00	0.93			3.29	
7.70	0.70			2.59	
8.32	0.62			1.97	








Bulldog Rally 1998

STAGE	DYFNANT Fairly narrow sections at start and finish but mostly a smooth flowing stage.		GRAVEL 10.29 MILES	PAGE	37
			ASPHALT 0.00 MILES	BOGEY	9m 30s
8			TOTAL 10.29 MILES	TARGET	21m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
8.52	0.20	 12			1.77
8.65	0.13	 13			1.64
8.82	0.17	 14			1.47
9.32	0.50	 15			0.97
9.49	0.17	 16			0.80
10.11	0.62	 17			0.18

Bulldog Rally 1998

STAGE	DYFNANT Fairly narrow sections at start and finish but mostly a smooth flowing stage.		GRAVEL 10.29 MILES	PAGE	38
			ASPHALT 0.00 MILES	BOGEY	9m 30s
8			TOTAL 10.29 MILES	TARGET	21m 00s
MILES		DIRECTION	INFORMATION	MILES to FF	
TOTAL	INTERVAL				
10.29	0.18	 18			0.00
10.43	0.14	 14	FTC8 		
		 14			
		 14			
		 14			
		 14			





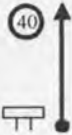



RS	8	DYFNANT	FTC8	FTC8 TIME		PAGE	39
VIA	8	TO		TARGET	80 MINS.	DISTANCE	39.69 MILES
PC		SHOW GROUND	ATC9	DUE		AVERAGE	29.77 MPH
MILES		DIRECTION	INFORMATION	MILES			
TOTAL	INTERVAL			to TC			
0.00	0.00		FTC8				39.69
		0					
0.30	0.30		CARE - Very narrow road.				39.39
		1					
1.24	0.94						38.45
		2					
2.01	0.77		PC8 - Hand in time cards.				37.68
		3					
3.65	1.64						36.04
		4					
6.50	2.85						33.19
		5					


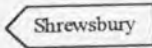


Bulldog Rally 1998

RS	8	DYFNANT	FTC8	FTC8 TIME		PAGE	40
VIA	8	TO	ATC9	TARGET	80 MINS	DISTANCE	39.69 MILES
PC		SHOW GROUND		DUE		AVERAGE	29.77 MPH
MILES		DIRECTION	INFORMATION	MILES to TC			
TOTAL	INTERVAL						
10.89	4.39		<div style="border: 1px solid black; padding: 2px; display: inline-block;">LLANFYLLIN A490</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">LLANFYLLIN</div>	28.80			
13.63	2.74		<div style="border: 1px solid black; padding: 2px; display: inline-block;">Llanantffraid -ym-Mechain B4393</div>	26.06			
15.06	1.43		<div style="border: 1px solid black; padding: 2px; display: inline-block;">LLANFECHAIN</div>	24.63			
17.26	2.20		<div style="border: 1px solid black; padding: 2px; display: inline-block;"><del>MEIFOD DOLGELLAU MACHYNLLETH</del></div>	22.43			
20.36	3.10		<div style="border: 1px solid black; padding: 2px; display: inline-block;">Oswestry A495 (A483) Shrewsbury</div>	19.33			
22.46	2.10		<div style="border: 1px solid black; padding: 2px; display: inline-block;">Knockin B4396 Shrewsbury (A5)</div>	17.23			

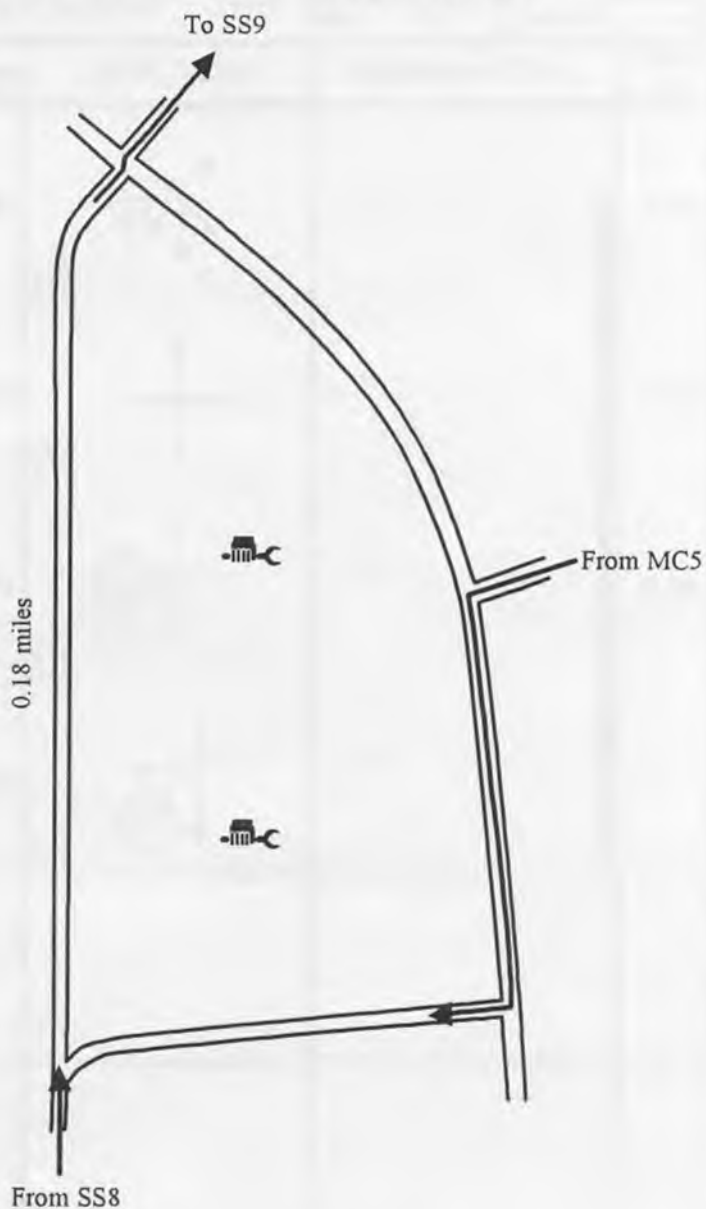
Bulldog Rally 1998

RS	8	DYFNANT	FTC8	FTC8 TIME		PAGE	41
VIA	8	TO		TARGET	80 MINS	DISTANCE	39.69 MILES
PC		SHOW GROUND	ATC9	DUE		AVERAGE	29.77 MPH
MILES		DIRECTION	INFORMATION	MILES			
TOTAL	INTERVAL			to TC			
25.79	3.33	 12	<b>KNOCKIN</b>			13.90	
27.13	1.34	 13	Baschurch B4397			12.56	
27.92	0.79	 14	Ruyton XI Towns Baschurch B4397			11.77	
29.81	1.89	 15				9.88	
31.77	1.96	 16	<b>Baschurch</b>			7.92	
32.14	0.37	 17	Shrewsbury Bomere Heath			7.55	





Bulldog Rally 1998

RS	8	DYFNANT	FTC8	FTC8 TIME		PAGE	42
VIA	8	TO	ATC9	TARGET	80 MINS	DISTANCE	39.69 MILES
PC	8	SHOW GROUND		DUE		AVERAGE	29.77 MPH
MILES		DIRECTION	INFORMATION	MILES			
TOTAL	INTERVAL			to TC			
32.96	0.82			6.73			
39.10	6.14		Onto gravel/grass.	0.59			
39.41	0.31		Enter service area. Please remain in service area until 5 minutes before your due time at ATC9 as space is limited.	0.28			




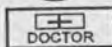


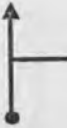

# Service area D - Show ground






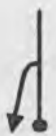


Bulldog Rally 1998

RS	8	DYFNANT	FTC8	FTC8 TIME		PAGE	44
VIA	8	TO		TARGET	80 MINS	DISTANCE	39.69 MILES
PC		SHOW GROUND	ATC9	DUE		AVERAGE	29.77 MPH
MILES		DIRECTION	INFORMATION	MILES to TC			
TOTAL	INTERVAL						
39.59	0.18	 21		0.10			
39.65	0.06	 22		0.04			
39.69	0.04	 23	ATC9	0.00			
39.73	0.04	 24	SS9				

Bulldog Rally 1998








STAGE	SHOW GROUND		GRAVEL	0.43 MILES	PAGE	45
	Short stage with a lot of tight junctions. A bit Mickey Mouse but good for your sponsors.		ASPHALT	0.54 MILES	BOGEY	00m 55s
9			TOTAL	0.97 MILES	TARGET	02m 00s
MILES		DIRECTION	INFORMATION			MILES to FF
TOTAL	INTERVAL					
0.00	0.00	 	START SS9  			0.97
		0				
0.04	0.04					0.93
		1				
0.11	0.07					0.86
		2				
0.16	0.05					0.81
		3				
0.20	0.04		Onto asphalt.			0.77
		4				

Bulldog Rally 1998

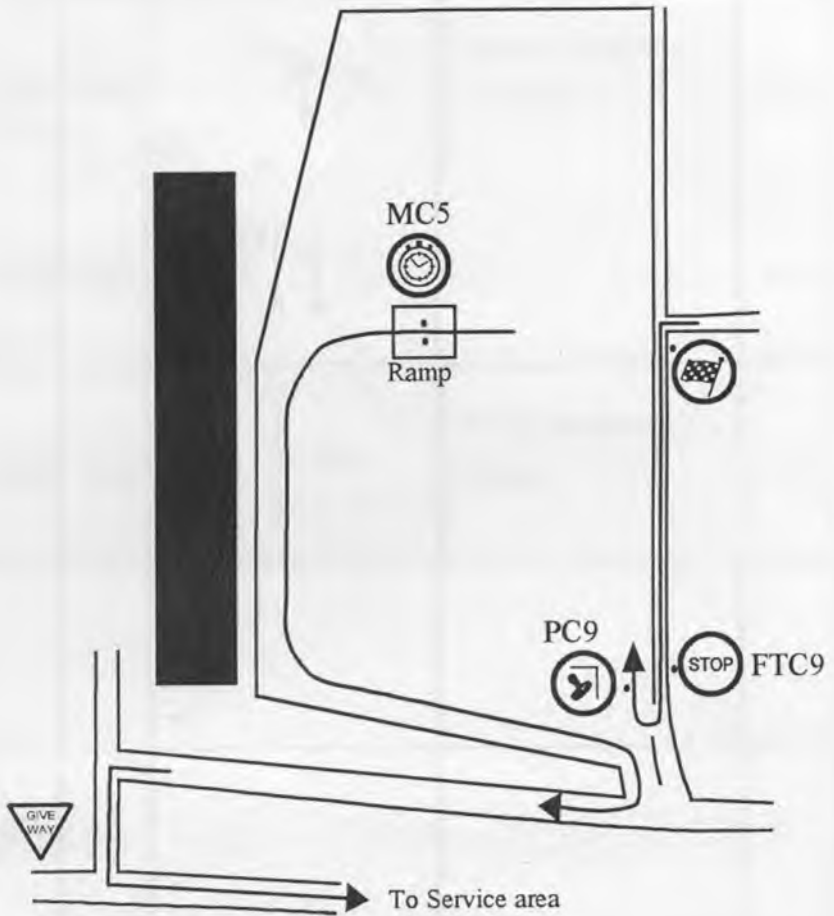
STAGE	SHOW GROUND		GRAVEL	0.43 MILES	PAGE	46
	Short stage with a lot of tight junctions. A bit Mickey Mouse but good for your sponsors.		ASPHALT	0.54 MILES	BOGEY	00m 55s
9			TOTAL	0.97 MILES	TARGET	02m 00s
MILES		DIRECTION	INFORMATION	MILES to FF		
TOTAL	INTERVAL					
0.27	0.07			0.70		
		5				
0.32	0.05			0.65		
		6				
0.37	0.05			0.60		
		7				
0.42	0.05			0.55		
		8				
0.51	0.09		Onto gravel.	0.46		
		9				
0.59	0.08			0.38		
		10				




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STAGE	SHOW GROUND		GRAVEL	0.43 MILES	PAGE	47
	Short stage with a lot of tight junctions. A bit Mickey Mouse but good for your sponsors.		ASPHALT	0.54 MILES	BOGEY	00m 55s
9			TOTAL	0.97 MILES	TARGET	02m 00s
MILES		DIRECTION	INFORMATION	MILES to FF		
TOTAL	INTERVAL					
0.66	0.07			0.31		
0.69	0.03		Onto asphalt after junction.	0.28		
0.83	0.14			0.14		
0.92	0.09		Onto gravel.	0.05		
0.97	0.05		Onto asphalt.	0.00		
1.02	0.05		FTC9  Turn into arena and park as directed by marshals. PC9 - Hand in time card.			

# Show Ground Arena



RS	-	FINISH RAMP	MC5			PAGE	49
VIA	-	TO				DISTANCE	0.18 MILES
PC	-	SERVICE AREA				AVERAGE	
MILES		DIRECTION	INFORMATION	MILES to GO			
TOTAL	INTERVAL						
0.00	0.00		Zero trip as leaving arena. Onto asphalt	0.18			
0.05	0.05			0.13			
0.18	0.13		Turn into Service area. Onto grass.	0.00			

Bulldog Rally 1998

## QUERY FORM

If you have any query about any aspect of the rally or your results, please complete this form and hand it in at MC5 or give it to a member of the organising team at the Rally HQ.

**THIS IS NOT A PROTEST FORM.**

Competition No. ....

Time .....

Query:-

Reply:-

## COMPETITORS RECORD SHEET

PAGE 51

STAGE NUMBER	BOGEY TIME	OWN TIME	COMPETITOR NUMBER									
3	8.30											
SUB-TOTAL												
4	4.45											
SUB-TOTAL												
5	9.15											
SUB-TOTAL												
6	10.25											
SUB-TOTAL												
7	11.47											
SUB-TOTAL												
8	9.30											
SUB-TOTAL												
9	0.55											
TOTAL												

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