

PEMBREY

1989 Racing



BARC PEMBREY OPENER SUNDAY, 21st MAY



Organised by the British Automobile Racing Club

OFFICIAL PROGRAMME £1.20





PEMBREY SUNDAY, 21st MAY 1989

PROGRAMME OF EVENTS

The promoters reserve the right to amend or cancel the programme or any part of it without prior notice or refund.

PRACTICE:-	09.10-09.30 09.40-10.00 10.10-10.30 10.40-11.00 12.30-14.00	Agip MGOC Mini 7 Budget Class C URS Pre'83	11.10-11.30 11.40-12.00 12.10-12.30	Budget Classes A&B 74/79 Mini Miglia
LUNCH RACING 14.00	EVENT 1 Awards: EVENT 2 Awards: EVENT 3 Awards: EVENT 4 Awards: EVENT 5 Awards: EVENT 6 Awards: EVENT 7 Awards:	AGIP MOTOR OILS MGOC CHAMPIONSHIP RACE 10 laps 1st £55, 2nd £45, 3rd £35, 4th £25, 5th £20, 6th-10th £15. AUSTIN ROVER MINI 7 CHAMPIONSHIP RACE 10 laps TBA. BUDGET RENT A CAR MODIFIED PRODUCTION SALOON CHAMPIONSHIP RACE CLASS C 10 laps £25 to each Driver completing one racing lap UNIVERSAL RACING SERVICES PRE'83 FORD 2000 CHAMPIONSHIP RACE 12 laps 1st £55, 2nd £38, 3rd £23. BUDGET RENT A CAR MODIFIED PRODUCTION SALOON CHAMPIONSHIP RACE CLASSES A & B 10 laps £25 to each Driver completing one racing lap BARC 74/79 FORMULA FORD 1600 CHAMPIONSHIP RACE 10 laps 1st £50, 2nd £30, 3rd £20. AUSTIN ROVER MINI MIGLIA CHAMPIONSHIP RACE 10 laps TBA.		

This meeting is organised by the British Automobile Racing Club and held under the General Regulations of the RAC Motor Sports Association Ltd. (Incorporating the provisions of the International Sporting Code of the FIA) and the Supplementary Regulations.

RACMSA Permit No:- 14070 (RESTRICTED).

Eligibility may be checked by a member or members of the Technical Commission listed:- D.P. ELSMORE, R. FEWKES, R.T. FORD, M.E. GARTON, J.M. HARRIS, P. HARRIS, B.L. MORRIS, R.A. MCKINSTRY, A.J. PARSFIELD, P.C. RICHES, D. RUSSELL, P.J.R. SMYTHE (TRUCKS), S. VINCENT, G.M. WOOD.

These Technical Commissioners will be considered to be 'JUDGES OF FACT' within the regulations laid down.

OFFICIALS OF THE MEETING

Stewards

R. Davies (RACMSA)
A. Holberton

Clerk of Course

D. Carter

Deputy Clerk of Course

F. Myerscough

Chief Observer

D. Harris

Secretary of Meeting

Miss E. Boswell

BARC Staff

Mrs. A. Brown
Mrs. H. Carter
Mrs. E. Smith

Startline/Pits

J. Ledwith (Chief)
A. Hayes
M. McLaughlin

Paddock

S. Mann
I. Ratcliffe (Chief)

Race Phones

C. Harris
R. Phillips (T)
J. Whyte (T)

Breakdown

TBA
TBA

Commentator

Ian Waterhouse

Medical Officers

M. Griffiths
M. Copper
E. Phillips

First Aid

TBA

Marshals

Members of the BARC
and Other Clubs

Timekeepers

C. Summerfield (Chief)
J. Clement
B. Clement
R. Summerfield
M. Summerfield
L. Turner
A. Morgan
D. Williams

Scrutineers

J. Taylor (Chief)
R. Baxter
D. Edwards
A. Gerry
B. Morris
R. Parsons

Rescue Units

Peugeot, Mercedes

For BARC (Pembrey) Limited:

M. H. H. Groves (Chairman)
D. I. Carter
S. L. Offord
W. Offredi

MOTOR RACING IS DANGEROUS AND PERSONS
ATTENDING THE MEETING DO SO AT THEIR OWN RISK



ANIMALS ARE NOT ADMITTED

Under no circumstances whatsoever will any animals be admitted to Pembrey whether in vehicles or not. The organiser's prime consideration must be the safety of competitors and anyone found attempting to bring an animal into the Circuit or with any animal at the Circuit will be asked to remove both animal and themselves from the Meeting.

RACE VEHICLES

The British Automobile Racing Club thanks the following for the loan of vehicles:

COURSE CAR:

Renault (UK) Ltd. — Renault 21 TXE

RACE RESCUE UNITS

Mercedes-Benz (UK) Ltd. — Mercedes 210
Express 3.5 Tonne Turbo Diesel from Peugeot Talbot

Origination by Acorn Printing and Typesetting, Bath. Tel: (0225) 315900.

Printed and produced by Norton Press Printing, Avro Way, Bowerhill, Melksham, Wilts. Tel: Melksham 705529.

This meeting is promoted and organised by the **BRITISH AUTOMOBILE RACING CLUB** on behalf of **LLANELLI BOROUGH COUNCIL**.

Pembrey Circuit
0264 772607/772696/772697

Cover Photo: Mike Gardiner, currently lying fourth in the URS Pre '83 Ford 2000 Championship (John Gaisford)

RACECHAT

by Bruce Grant-Braham

Welcome to Pembrey today for the first ever car race meeting to be held at this exciting new venue. Britain's largest and most capable motor sport club, the **British Automobile Racing Club**, has been entrusted with the organisation of this historic meeting which hopefully will be the first of many **BARC Championship Racedays** to be held at the delightful Welsh Motor Sport Centre in years to come.

Whilst the circuit may well be familiar to many drivers racing today as it is regularly used by individual teams, from F1 right through to the more junior classes, for testing, the only tarmac racing that has taken place to date has been for karts and motorcycles. The owners of the Pembrey Circuit, Llanelli Borough Council, have completed kerbing and pits on the 1.5 mile Club Circuit, thereby allowing RAC sanctioning for car racing. This is a tremendously exciting climax for the Borough Council under Ron Cant who have fostered the improvement in standards of motor sport provided for spectators at Pembrey since its humble beginnings in 1983.

The racing today is headed up by one of the big success stories of motor racing in 1989. The **Budget Rent A Car Modified Production Saloon Championship** has attracted no less than 45 entries and will therefore necessitate not one race but two. The popularity of this class of racing this year makes this an excellent series to start off racing at Pembrey. Two more exciting saloon championships are on offer today famous for their close competition and these are for the **Austin Rover Mini 7** and the **Austin Rover Mini Miglia Championships**. Sportscars are represented by the competitors in the **Agip Motor Oils/MGOC Championship** whilst single seater racing cars will be competing in the **Universal Racing Services Pre '83 Ford 2000** and the **BARC 74/79 Formula Ford 1600 Championship** races.

UNIVERSAL RACING SERVICES PRE '83 FORD 2000 CHAMPIONSHIP

The cars contesting the **Universal Racing Services Pre '83 Ford 2000 Championship** race will undoubtedly be the fastest machines around Pembrey today, benefiting as they do from slick tyres and wings. Championship leader and Snetterton winner **Jeff Gresswell** heads up the entries in his Mavala Formula 2000 Nail Care Van Diemen RF82 and in his last race he came fifth at Silverstone after a strong fight with the Lola T580 of **Mark Storer**. **Steve Nicholls** came third at Snetterton in his Van Diemen RF82, a feat repeated by the Team UK Vehicle Rentals Van Diemen RF82 of **Mike Gardiner** at Silverstone. Mike came third overall in the series last year and also took the new lap record at Silverstone in round 2 of 78.11 mph. Prime Computer (UK) Ltd are fielding **Richard Samulis** in his Royale RP30 and he will be keen to improve on his fourth place at Silverstone.

1989 BUDGET RENT A CAR MODIFIED PRODUCTION SALOON CHAMPIONSHIP

With the customary huge entry of no less than 45 cars chasing the £20,000 prize fund today's

Budget Rent A Car Modified Production Saloon Championship will necessitate two races.

CLASSES A AND B

Class A has been the domain of **Jonathan Woodward** from Norwich whose Talbot Sunbeam Lotus has been taken to wins at Thruxton and Lydden and a lap record of 72.20 mph at Silverstone. Jonathan certainly looks difficult to beat today but Silverstone winner **Angus Mackay** — the Nottingham motor dealer — will be hoping to sneak past in his BMW 325i which gave him a big fright during a similarly big excursion at Thruxton in round one. Interestingly **Andrew Mackenzie** from Brighton is putting his faith in his Ford Sierra XR4i and this is keeping him well placed in the championship, as is the BMW 320 of Bristol's **Tony Lees**.

Hindhead racer **Marc St. John Taylor** is a Toyota Corolla man and this can be no bad thing as he is comfortably leading Class B having won at Silverstone taking a 70.09 mph lap record into the bargain. **Russell Clark** won at Lydden in his Escort RS Turbo, whilst **Andy Britnell** (second at Lydden) will be chasing hard in his Escort RS2000.

CLASS C

John Hammersley from Hill Ridware has been leading the Fiesta XR2 racers in Class C having already come second at Thruxton and Lydden and having won at Silverstone where he took a 73.78 mph lap record. **Keith Notley** (New Romney) has been the main opposition and indeed it was he who won at Lydden with the Avenger Tiger of **Ron Field** (Frome) close behind.

BARC 74/79 FORMULA FORD 1600 CHAMPIONSHIP

The **BARC 74/79 Formula Ford 1600 Championship** race is headed up by last year's champion **John Wardle** from Mansfield who has the distinction of continuing his established form by winning both the opening round at Thruxton and the next round at Snetterton. Fielding his trusty Van Diemen RF78 John additionally managed to take a new lap record at Thruxton of 82.58 mph so he really looks set to go well here at Pembrey. **Brian Cooke** from Appleton came second at Thruxton in his similar Van Diemen RF78 and he has an established pedigree, having come fourth overall in the championship last year, but one can't help wondering whether **Barry Pomfret's** Royale RP26 will be pitching in up at the front after a fourth place at Thruxton and then second at Snetterton. **Alan Fay** (Crosbie 32F) is certainly a driver to watch today after a third place at Thruxton, as is **Graham Johnson** (Van Diemen RF79) who was fourth at Snetterton.

AGIP MOTOR OILS/MGOC CHAMPIONSHIP

This is the ninth consecutive season that the BARC has run a series for MGs and this year's

AGIP Motor Oils/MGOC Championship has the valued sponsorship of Agip — Italy's leading motor oil — which is being actively promoted through Saxon Automotive.

In recent seasons the traditional MG sportscar — the Midget and the MGB/C — has been threatened by the more modern alternative of the Maestro and indeed the latter has been creeping into the lead in many races rather to the dismay of the more mature enthusiasts. Untypically, though, at Thruxton in round 2 Wisbech driver **Nigel Petch** consolidated his second place overall in the championship by taking the flag first in his B Hive racing MGB bringing a smile to the faces of the purists. Main opponent **Darryl Davis** from Hounslow was beaten into second place in his Moto-Build Maestro having already won the opening round at Silverstone and taken a lap record of 67.39 mph on the way. At Thruxton, in a somewhat abbreviated race, **Chris Hatcher** again from Wisbech came in third in his MGB and he, too, will be on the look out today to keep ahead especially of **Jimmy Adamson** from St Ives — just across the Bristol Channel! — whose Maestro is breathing heavily down his neck in the overall championship. Watch out also for the Midgets of **Richard Bennett** from nearby Cardiff and **Jason Moses**.

AUSTIN ROVER MINI MIGLIA CHALLENGE

The **Austin Rover Mini Miglia** racers will be guaranteed to give us a race to remember with the current leading lights being **Mick Cable** with his Mini Spares Centre Ltd version. Mick started the season slowly — for him — with a fourth place at Brands Hatch but he then went on to win at Snetterton, Castle Combe and Silverstone, so he must feel as if he's on a winning streak and must therefore be firm favourite today. The **Wager** family, too, have been performing exceedingly well, with **Richard** and **Tim** both being well placed this season as has been **Mark Jones** who has won at Lydden.

AUSTIN ROVER MINI 7 CHALLENGE

There is no closer racing than that provided by the contenders in the **Austin Rover Mini 7 Challenge** and today will be no exception with a little train of minis hurtling around Pembrey as if attached to each other by elastic. The entry is headed by **Bill Sollis**, who has come under very stiff pressure from **Steve Cooper**. Most consistent of all the racers today is **Michael Jackson** who should prove a real thriller (sorry!) as he has been second overall in all the races he has entered this season at Brands Hatch, Snetterton and Silverstone. He must surely go one step higher soon and perhaps today will be the day.

BRITISH AUTOMOBILE RACING CLUB WELSH CENTRE

With the advent of motor racing at Pembrey Circuit, the British Automobile Racing Club is re-forming its **WELSH CENTRE**, and spectators and anyone else who is interested in joining the Centre may do so at the BARC small portacabin adjacent to the Circuit Crossing.



Agip
motor oils



**OWNERS
CLUB**

MGOC

CHAMPIONSHIP RACE

This is the fourth round of the 1989 Agip Motor Oils/MGOC Championship.

EVENT 1.10 LAPS

GRID

ENTRIES

No.	Driver	Town	Entrant	Car/Engine
2	Darryl Davis	Sunbury	Driver	Moto-Build Maestro
3	Chris Stocks	Huddersfield	Driver	MG Midget/FROG Power
4	Jimmy Adamson	St. Ives	Driver	MG Maestro
6	Richard Wensley	Leicester	Driver	Austin Sprite/Minisprint
9	Michael Gatton	Brighton	Driver	Austin Healey Sprite/Oselli
11	Michael Weidner	Maidenhead	Driver	MG Maestro
12	Jamie Chamkin (1st Reserve)	Wallingford	Driver	MG Maestro/BL
14	Will Tubb	Farnham	Driver	MGB GT/BES
16	Phil Linfield	Guildford	Driver	MG Midget/BES Power
18	Martin Davy	Hersham	Driver	MG Metro/Swiftune
19	Richard Bennett	Cardiff	Driver	MG Midget BL/Oselli
24	Terry Farman	Watford	Driver	MG Midget
27	Nigel Petch	Wisbech	Driver	MGB Roadster/ B Hive Racing
28	Chris Hatcher	Wisbech	Driver	MG B Roadster
29	Mark Steele	March	Driver	MGB Roadster/ B Hive Racing
30	Mark Garner	Peterborough	Driver	MGB Roadster/BL
31	Guy Wallis (2nd Reserve)	Twickenham	Driver	MGB Roadster/'B' Series
34	Tony Reeves	Ross-on-Wye	Driver	MG Midget/Oselli
35	Jason Moses	Ross-on-Wye	Driver	MG Midget/Phocle Oselli
38	John Hartshorne	Exeter	Driver	MG Midget/BL
39	John Samuel	Feltham	Driver	MG Midget/BMC
40	Stephen Thompson	Feltham	Driver	MG Midget/Austin
42	Noel Wincote	Nuneaton	Driver	MGB Roadster/Knight Services
44	Ashley Jacques	Dudley	Driver	MG Midget
48	John Kimber (3rd Reserve)	Beaonfield	Driver	MG B Roadster
55	Mike Hilton	Corfe Mullen	Driver	Austin Healey Sprite
63	Nigel Frith	Bedfont	Driver	Metro GTA
69	Martin Watson	Swavesey	Driver	MG Maestro/Moletune
74	Peter Evans	Cowbridge	Driver	MG B Roadster/BL
88	Peter Stacey	Ringwood	Driver	MG B Roadster
89	Malcolm Riches	Oxford	Driver	MG Midget/Oselli
94	Stuart Elcombe	Sussex	Driver	MG B Roadster

—	—	1
—	—	2
—	—	3
—	—	4
—	—	5
—	—	6
—	—	7
—	—	8
—	—	9
—	—	10
—	—	11
—	—	12

LAP CHART

Pos	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

RESULTS

1	Winner's Time	m.....	s.....	mph
2	3			
4	5			
6	Fastest Lap: Car No			
	in	m.....	s.....	mph

Lap Records:
To be established.

CHAMPIONSHIP INFORMATION

AGIP MOTOR OILS/MGOC CHAMPIONSHIP

The BARC/MGOC Championship for standard MGs running on road tyres continues for the ninth consecutive season in 1989, with welcome sponsorship this year coming from Agip Motor Oils.

Awards at each round: 1st £55, 2nd £45, 3rd £35, 4th £25, 5th £20, 6th £15, 7th £15, 8th £15, 9th £15, 10th £15. A bonus payment of £600 will be split equally between all competitors completing one racing lap. At end of season: Trophy to overall winner.

Points at each round: 15-12-10-8-6-4-3-2-1 plus 1 for fastest lap. A competitor shall count his results in the total number of rounds run, less three.

POINTS

Positions after Oulton Park May 13 third round:

1	Nigel Petch	44
2	Darryl Davis	40
3	Noel Wincote	18
	Richard Bennett	18
5	Martin Watson	12
	Chris Hatcher	12
7	Andrew Storer	11
8	Jimmy Adamson	10
	Jim Baynam	10
10	Mark Steele	7

Next round Cadwell Park June 11.

AUSTIN ROVER NATIONAL MINI SE7EN CHALLENGE RACE

This is the fifth round of the 1989 National Mini Se7en Challenge for 850 Austin Rover Minis to standard production specification.

EVENT 2.10 LAPS

ENTRIES

No.	Driver	Town	Entrant	Car/Engine
2	Bill Solis	Bromley	Driver	Billbuilt Mini/Slark
3	Steve Cooper	Southend	Driver	Gould Mini Cooper
4	Michael Jackson	Birmingham	Driver	Miral Mini/W Mids Engines
6	Neil Johnson	Welling	Driver	Whitespeed Mini/Johnson
9	Rick Grimwood	Bicester	Driver	Mini Eurotech
10	Dave Banwell	Leighton Buzzard	Driver	Abel Cleaning Mini/Slark
24	Rob Selby	Olney	Driver	Davox Mini/Selby
38	Nigel Muskett	Daventry	Coalite Building Supplies	Austin Rover MKIII/DRG
43	Marcus Wragg	Sheffield	Driver	Mini Marcus/Miss Understanding
47	Steven Young	Hertford	Driver	Austin Mini Bluetac
48	Kelly Rogers	Southend	Driver	Vickers Mini
70	Guy Sims	Orpington	Driver	Simmini/Sims
75	Paul Brown	Scunthorpe	Driver	Brownspeed Mini 7 Racer
88	Steve Harris	Cranborne	Insulite Racing	Insulite Mini/Harris
90	Laurence Nutley	Sussex	Driver	Scream 2/Sir Lancelot
94	Dan Wheeler	Bedford	Driver	Austin Mini/Selby Eng
98	Julie Armstrong	Crowthorne	Driver	Austin Mini
121	Bill Boyles	Bedford	Driver	Austin Mini
146	Graeme Davis	Enfield	Driver	Mini Se7en/SDRRS
169	Steve Hart	Enfield	Driver	69 Club/DIY
409	Rick Pavak	New York	Driver	Fat Yanks Mini
506	Brian Kippax	Bickley	Driver	HFI Mini/Fry
586	Dave Braggins	Weybridge	Driver	Kenwood Mini/Tyrell

GRID

—	—	1
—	—	2
—	—	3
—	—	4
—	—	5
—	—	6
—	—	7
—	—	8
—	—	9
—	—	10
—	—	11
—	—	12

LAP CHART

Pos	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

RESULTS

1 Winner's Timem.....s.....mph

2 3

4 5

6 Fastest Lap: Car No
in m s
..... mph

Lap Record:
To be established.

CHAMPIONSHIP INFORMATION

AUSTIN ROVER NATIONAL MINI SE7EN CHALLENGE

The Austin Rover National Mini Se7en Challenge is for 850cc Minis, and is run over 14 rounds nationwide in 1989. Drivers must be members of the Mini Se7en Club who are registered to compete in the series.

Awards at each round (subject to number of entries): 1st-£33, 2nd-£23, 3rd-£18, 4th-£15, 5th-£13, 6th-£10, 7th-£8, 8th-£8. At end of season: Overall Winner - The Bob Fox Trophy, 2nd - 10th overall - Trophies.

Points at each round: 10-9-8-7-6-5-4-3 to first eight finishers, 2 to all other finishers and 1 to all non-finishers. Best 10 scores from 15 rounds to count.

POINTS

Positions after Silverstone April 29 fourth round:

TO BE ADVISED

Next round Silverstone May 29.

Programme and Copyright

The promoters reserve the right to amend or cancel the programme without notice or refund. All literary matter in this programme, including the list of competitors and their racing numbers, is copyright and any person found making illegal use thereof will be prosecuted. Although every endeavour is made to avoid inaccuracies in the description of competing cars, the Club accepts no responsibility for any that may occur. It is a condition of admission to these premises that photography, cine-film, video film, sound or any other visual or any part or parts of them for any (non-private) use including making copies of the recording/reproduction causing or permitting it to be seen or heard in public, broadcasting, diffusing, selling, renting, exchanging, lending, using for gain or otherwise dealing with it in whole or in part is strictly prohibited. Furthermore, Pembrey and the British Automobile Racing Club reserve the right to confiscate and retain possession of any photographs or films made in breach of this condition and without their express consent in writing.

MODIFIED PRODUCTION SALOON CHAMPIONSHIP RACE (Class C)

This is the fifth round of the 1989 Budget Rent a Car Modified Production Saloon Championship.

EVENT 3.10 LAPS

GRID

ENTRIES

No.	Driver	Town	Entrant	Car/Engine	cc
16	Ron Field	New Romney	Driver	Hillman Avenger Tiger	1600
29	Mark Worsfold	Sussex	Driver	Ford Escort Mexico	1600
32	Al Daly	Sevenoaks	Driver	Ford Escort RS 1600i	1597
34	Duncan Annells	Sevenoaks	Driver	Ford Fiesta XR2	1597
40	John Hammersley	Hill Ridware	Airconstruct (Mids) Ltd - Fives Garage	Ford Fiesta XR2/ Motivation UK	1600
68	Bob Harper	Epsom Downs	Driver	Ford Escort/CVH	1600
70	Michael Helm	Latchingdon	Driver	Ford Fiesta XR2	1600
73	Julian Mead	Hadleigh	Driver	Ford Escort RS 1600i	1600
74	Mark Bush	Kings Norton	Driver	Austin MG Metro	1450
75	Neville Knight	Brighton	Driver	Ford Escort Mexico	1600
77	Gordon Luxford	Horsham	Darenth Homes Limited	Ford Fiesta XR2/Harris	1600
84	Shaun Blake	Hove	Driver	Ford Fiesta XR2/Tait	1600
85	Michael Higgs	Brighton	Driver	Ford Fiesta/EHR	1600
86	Keith Notley	Frome	Driver	Ford Fiesta/Harris	1600
90	Tom Gotzl	Oxford	Driver	Talbot Sunbeam	1600T
91	Tina Sheridan	Staines	Driver	Ford Fiesta XR2/ Roland Hayes	1600
92	Clive Knight	Hastings	Driver	Ford Fiesta XR2/Dale	1600
97	Iain McCreathy	Romsey	Driver	Ford Fiesta XR2	1600
100	Richard Bartlett	Hastings	Driver	Ford Fiesta XR2	1598
105	Paul Homard	Hastings	Driver	Ford Fiesta XR2	1600
106	Michael Bone	Hastings	Buss Foods Hastings	Ford Fiesta XR2/Dale	1600
108	Anthony Nash	Eastleigh	Driver	Talbot Sunbeam	1600
173	Gary Townsend	Rugby	Driver	Ford Cortina Lotus/ Twin Cam	1559
999	Steve Guard	Wilmington	Driver	Ford Mexico MkII/ Roland Hayes	1598

1
2
3
4
5
6
7
8
9
10
11
12

LAP CHART

Pos	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

RESULTS

1 Winner's Time m.....s.....mph

2 3

4 5

6 Fastest Lap: Car No

in m.....s

..... mph

Lap Record:
To be established.

CHAMPIONSHIP INFORMATION

BUDGET RENT A CAR MODIFIED PRODUCTION SALOON CAR CHAMPIONSHIP

The British Autobobble Racing Club is pleased to welcome Budget Rent a Car as sponsor of its new 14-round championship for modified production saloon cars in 1989.

Classes: A - All cars with engines over 2401cc, listed turbo cars, multi-valve cars over 1600cc; B - All cars with engines over 1600cc and up to 2400cc, multi-valve cars up to 1600cc; C - All cars up to 1600cc (rotary-engined cars in Class A).

Awards in each class at each round; Trophies to 1st, 2nd and 3rd, £25 to every driver completing one racing lap at each round. At end of season; £1000 to each class winner plus £500 to the overall winner plus £250 to overall second plus £150 to overall third.

Points in each class at each round (subject to number of starters); 4-3-2-1 plus fastest lap in each class. Best 12 scores from 14 rounds to count.

POINTS

Positions after Knockhill May 14 fourth round:

Class C

1	John Hammersley	34
2	Keith Notley	31
3	Ron Field	18
4	Gordon Luxford	15
5	Jim Edwards Jnr	10
	Clive Knight	10
7	Shaun Blake	8
8	Julian Mead	3
	Richard Smith	3
	Michael Helm	3
	Roger Hill	3

Next round Cadwell Park June 11.

This is the third round of the 1989 Universal Racing Services Pre '83 Ford 2000 Championship for Formula Ford 2000 single seater racing cars built and raced before 31.12.82 and complying with RAC MSA Formula Ford 2000 regulations.

EVENT 4.12 LAPS

ENTRIES

No.	Driver	Town	Entrant	Car/Engine
3	Nigel Parker	Wakefield	Driver	Royale RP27/Nelson
5	Richard Samulis	Adelaide	Prime Computer (UK) Ltd	Royale RP30/RSR
8	Jeff Gresswell	Scunthorpe	Mavala Formula 2000 Nail Care	Van Diemen RF82/Ford
9	Chris Pryer	Datchet	Stevespeed	Royale RP30/Nelson
20	Mark Storer	Romsey	Driver	Lola T580/Frenchmoor
22	Paul Simon	Brighton	Stevespeed	Royale RP30/
27	Steve Pontin-Warltier	Cleveleys	Driver	Van Diemen RF82/Neil Brown
28	John Dickinson	Maidenhead	Driver	Van Diemen RF81/Nelson
35	Russell Howard	Southport	Driver	Van Diemen RF82/Neil Brown
44	Paul Bayley	Colchester	Driver	Van Diemen RF82/Neil Brown
55	Tim Wilson	Sheffield	Driver	Royale RP30/Ford
57	Mike Gardiner	Stevenage	Team UK Vehicle Rentals	Van Diemen RF82/Autron
74	Seamus Doyle	Ruislip	Driver	Lola T580/Scholar
80	Steve Nichols	Woking	Driver	Van Diemen RF82/Neil Brown

GRID

—	—	1
—	—	2
—	—	3
—	—	4
—	—	5
—	—	6
—	—	7
—	—	8
—	—	9
—	—	10
—	—	11
—	—	12

LAP CHART

Pos	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

RESULTS

1	Winner's Time	m.....s.....mph
2	3	
4	5	
6	Fastest Lap: Car No	
	in	m.....s.....mph

Lap Record:
To be established.

CHAMPIONSHIP INFORMATION

UNIVERSAL RACING SERVICES PRE '83 FORD 2000 CHAMPIONSHIP

Universal Racing Services continues to sponsor the British Automobile Racing Club's Pre '83 Ford 2000 Championship in 1989. Based a few miles from Snetterton circuit, URS is run by Ken Thorogood, whose long association with motor racing – almost two decades – makes him especially well equipped to offer help and advice to all competitors. URS supplies parts and specialist services to many Formula Ford 1600 and 2000 competitors and teams and, in addition to being able to fabricate and repair parts for any type of racing car, URS now supplies all parts for older models of Reynard and Van Diemen FF1600 and 2000 cars.

Awards: at each round: 1st £55, 2nd £38, 3rd £23; Highest placed competitor driving a pre '80 car – Trophy. At end of season: Trophy to overall winner; Trophy to highest placed competitor in championship driving a pre '80 car. Yokohama Bonus: TBA.

Points: at each round: 15 - 12 - 10 - 8 - 6 - 4 - 3 - 2 - 1 plus 1 for fastest lap. Best ten scores from the 14 rounds count.

Positions after Silverstone April 23 second round:

1	Mark Grant	22
	Jeff Gresswell	22
3	Dave Nichols	15
4	Mike Gardiner	13
5	Steve Nichols	10
6	Richard Samulis	8
	Steve Sutton	8
8	Paul Bayley	6
9	Chris Pryer	5
	Mark Storer	5

Next round Snetterton June 4.

MODIFIED PRODUCTION SALOON CHAMPIONSHIP

(Classes A and B)

EVENT 5.10 LAPS

This is the fifth round of the 1989 Budget Rent a Car Modified Production Saloon Championship.

GRID

ENTRIES

No.	Driver	Town	Entrant	Car/Engine	cc
Class A:					
1	Mick Price (1st Res)	Leicester	Driver	Rover SD1/JE Motors	3900
2	Allan Weyman	Harrow	Driver	Chevrolet Camaro Z28	5820
3	Angus MacKay	Nottingham	Sherwood Racing for Nottingham	BMW 333i	3500
4	Jonathan Woodward	Norwich	Driver	Talbot Sunbeam/Lotus	2200
6	Robert Beaumont (2nd Res)	Leicester	Driver	Talbot Sunbeam Lotus	2800
7	Michael McGovern	Peacehaven	Driver	Talbot Sunbeam Lotus	2200
11	Steve Colville	Bransgore	Driver	Mitsubishi Turbo/Gallant	2000T
14	Ray Webb	Leicester	Driver	Rover Vitesse SDi	3900
15	Brian Sheridan	Staines	Driver	Opal Monza 3.0E/Sheridan Hayes	3900
52	Martin West	Sussex	Driver	Ford Capri 3.0S	3000
78	Andrew MacKenzie	Brighton	Driver	Ford Sierra XR4i/Swaymar	3200
122	Neil Hasler	Watham Abbey	Driver	Talbot Sunbeam Lotus	2174
128	Michael Marlowe	Mayfield	Driver	Talbot Sunbeam Lotus	2200
133	Tony Lees	Bristol	Driver	BMW 320	2500
Class B:					
21	Stuart Robb	Croydon	Driver	Ford Escort Rs 2000	2200
26	Phil Libby	Tiptree	Driver	Vauxhall Magnum	2300
36	Jonathan Owen	Worcester	Driver	Toyota Corolla 16V GT Coupe	1600
43	Steven Dunne (3rd Res)	Hastings	Driver	BMW 2002Tii	1990
57	Andy Britnell	Bough Beech	Driver	Ford Escort Rs 2000/Holbay	2380
61	Mark Smith	Pinner	Driver	Ford Escort RS 2000/Swadkin	2100
88	Terry Stone	Sheffield	Driver	Toyota Corolla	1600
94	Gary James	Weybridge	Driver	Volkswagen Golf GTi	1800
97	Roger Ebdon	West Wellow	Driver	Ford Fiesta/Blueprinted	1600
99	Marc St John Taylor	Hindhead	Driver	Toyota Corolla	1597
102	N. Blastock	Burnham	Driver	Ford Escort Rs 2000/Pinto	2100
111	John Allen	Southsea	John Allen Racing	Audi Coupe	2200
666	Russell Clark	Sidcup	Driver	Ford Escort RS Turbo/Roland	2000

—	—	1
—	—	2
—	—	3
—	—	4
—	—	5
—	—	6
—	—	7
—	—	8
—	—	9
—	—	10
—	—	11
—	—	12

LAP CHART

Pos	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

RESULTS

1	Winner's Time	m.....s.....mph
2	3	
4	5	
6	Fastest Lap: Car No	
	in	m.....s.....mph
Lap Record: To be established.		

CHAMPIONSHIP INFORMATION

BUDGET RENT A CAR MODIFIED PRODUCTION SALOON CAR CHAMPIONSHIP

The British Autobobile Racing Club is pleased to welcome Budget Rent a Car as sponsor of its new 14-round championship for modified production saloon cars in 1989.

Classes: A - All cars with engines over 2401cc, listed turbo cars, multi-valve cars over 1600cc; B - All cars with engines over 1600cc and up to 2400cc, multi-valve cars up to 1600cc; C - All cars up to 1600cc (rotary-engined cars in Class A).

Awards in each class at each round; Trophies to 1st, 2nd and 3rd, £25 to every driver completing one racing lap at each round. At end of season; £1000 to each class winner plus £500 to the overall winner plus £250 to overall second plus £150 to overall third.

Points in each class at each round (subject to number of starters); 4-3-2-1 plus fastest lap in each class. Best 12 scores from 14 rounds to count.

POINTS

Positions after Knockhill May 14 fourth round:

Class A		Class B	
1 Jonathan Woodward	33	1 Marc St. John Taylor	22
2 Angus Mackey	26	2 Russell Clark	16
3 Robert Beaumont	19	3 Andy Britnell	14
4 Tony Lees	15	4 Terry Stone	13
5 Andrew Mackenzie	12	5 Mark Smith	12
6 Martin West	9	6 Ray West	10
7 Mark Pollard	8	7 Gary Britnell	9
8 Ray Webb	6	8 Mike Capon	4
9 David Tetley	5	Craig Davies	4
10 Mick Price	4	10 Jonathan Owen	3
		Stuart Robb	3

Next round Cadwell Park June 11.

BARC 74/79 FORMULA FORD 1600 CHAMPIONSHIP RACE



This is the fourth round of the 1989 BARC 1974/79 Formula Ford 1600 Championship for single seater Formula Ford 1600 racing cars built and raced between 1.1.74 and 31.12.79 and complying with RAC MSA FF1600 regulations.

EVENT 6.10 LAPS

ENTRIES

No.	Driver	Town	Entrant	Car/Engine
2	Barry Pomfret	Bletchley	Barry Pomfret Racing with Cowley & Wilson	Royale RP26/Scholar
7	Alan Fay	Winslow	Driver	Crossle 32F/Aldon
9	Brian Cooke	Appleton	Driver	Van Diemen RF78/Aldon
11	John Wardle	Mansfield	Driver	Van Diemen RF78/Aldon
26	Jim Mitchell	USA	Driver	Van Diemen RF78/Mitchell
27	Phil Jarvis	Hastings	Driver	Lola T342/Connaught
44	Martin Wood	Barrowford	Driver	Royale RP21/PHRE
66	Graham Johnson	Milton Keynes	Driver	Van Diemen RF79/Nelson
68	Mike Hopkins	Swansea	Driver	Royale RP26/Auriga
91	Chris Johnson	Kelsall	Driver	Van Diemen RF78/Scholar

GRID

—	—	1
—	—	2
—	—	3
—	—	4
—	—	5
—	—	6
—	—	7
—	—	8
—	—	9
—	—	10

LAP CHART

Pos	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

RESULTS

1 Winner's Timem.....s.....mph
 2 3
 4 5
 6 Fastest Lap: Car No
 in m s
 mph

Lap Record:
To be established.

CHAMPIONSHIP INFORMATION

BARC 74/79 FORMULA FORD 1600 CHAMPIONSHIP

For the fifth consecutive season the British Automobile Racing Club is continuing its championship for earlier Formula Ford 1600 cars, and for 1989 the series has been extended to include 1979 cars. The championship will consist of 14 round.

Awards

At each round: 1st £50, 2nd £30, 3rd £20.
At end of season: Trophy to Overall Winner.

Points

At each round: 9-6-4-3-2-1 plus 1 for fastest lap.
Best 12 scores from 14 rounds to count.

Positions after Oulton Park May 13 third round:

1	John Wardle	28
2	Brian Cooke	10
3	Barry Pomfret	9
4	Malcolm Barfoot	7
5	Ray Harris	5
6	Alan Fay	4
7	Chris Kirkbridge	3
	Philip High	3
	Graham Johnson	3
10	Michael Valentine	2
	Martin Wood	2

Next round Cadwell Park June 11.

Flag Signals

Blue/Steady: Another competitor is close **Waved:** Another competitor is trying to pass.

White: Service vehicle or very slow car on circuit.

Yellow/Steady: Danger ahead, no overtaking, slow down.

Yellow/Waved: Great danger ahead, no overtaking, slow down, be prepared to stop.

Yellow with Red Stripes: Slippery surface ahead.

Green: Proceed, hazard indicated has been cleared.

Red: Stop racing, proceed slowly to pits or startline as instructed by marshals.

Black (at individual marshal's posts): Race stopped.

Black/Orange Disc displayed with White number: Warning of mechanical failure which might not be obvious to driver, call into pits immediately.

Black/White rectangular with White number: Warning to driver that his behaviour(i.e. corner cutting) is suspect and he may be black flagged.

Black display with White number: Driver must call in immediately and report to the Clerk of the Course.

Black/White Chequered: End of race.

Races are started using a system of red/green traffic lights.

AUSTIN ROVER NATIONAL MINI MIGLIA CHALLENGE RACE

This is the fifth round of the 1989 National Mini Miglia Challenge for Austin Rover Minis, 1000cc, built to standard production specification.

EVENT 7.10 LAPS

ENTRIES

No.	Driver	Town	Entrant	Car/Engine
3	Myk Cable	Great Baddow	Mini Spares Centre Ltd	Mini Spares/Cabmann
4	Ian Gunn	Great Missenden	Driver	Agrispeed Mini/Riley
5	Mark Jones	Southampton	Driver	Kalmer Mini/Slark
6	Gareth Melling	Reading	Insultite	Insultite Mini/Harris
10	Steve Holtom	Redditch	Driver	Austin Holmin/8 Port Eng
11	Eamonn Moran	Leighton Buzzard	Driver	Able Cleaning/Slark
30	Peter Calver	Knebworth	Driver	Cutahurst Mini 25/CTS
67	Tony Foreman	Walton-on-Thames	Driver	Mini Miglia/Nosemin Tyrell
95	Philip Harvey	Birmingham	Cheltenham Motor Club	Hotley Mini/Harvey
99	Mick Best	Aylesbury	Driver	Austin Rover Mini/Manor
108	Mark Stokes	Chertsey	Driver	Mini Miglia/BLMC/Harris
111	Chris Tyrell	Leatherhead	Driver	Calbrook Mini/Tyrell
135	Tony Smith	Crayford	Driver	Austin Mini
155	Paul Oates	Aldershot	Driver	Austin Rover/Boopspeed
219	Richard Colburn	Portslade	Driver	Transpeed Mini/Hass
500	Richard Wager	Lightwater	Driver	Mini/Philips/Fry/Hass
501	Tim Wager	Lightwater	Driver	Kenwood Mini/Tyrell
505	Peter Sainsbury	Bagshot	Driver	Mini Tyrell

GRID

—	—	1
—	—	2
—	—	3
—	—	4
—	—	5
—	—	6
—	—	7
—	—	8
—	—	9
—	—	10

LAP CHART

Pos	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

RESULTS

1.....	Winner's Time	m.....	s.....	mph
2.....	3.....			
4.....	5.....			
6.....	Fastest Lap: Car No			
	in.....	m.....	s.....	
				mph

Lap record: To be established.

CHAMPIONSHIP INFORMATION

AUSTIN ROVER NATIONAL MINI MIGLIA CHALLENGE

The Austin Rover National Mini Miglia Challenge is for 1000cc Minis and is run over 14 rounds nationwide in 1989. Drivers must be members of the Mini Se7en Club who are registered to compete in the series.

Awards at each round (subject to number of entries): 1st-£33, 2nd-£23, 3rd-£18, 4th-£15, 5th-£13, 6th-£10, 7th-£8, 8th-£8. At end of season: Overall Winner - The Peter Collins Trophy, 2nd - 10th overall - Trophies.

Points at each round: 10-9-8-7-6-5-4-3 to first eight finishers, 2 to all other finishers and 1 to all non-finishers. Best 10 scores from 15 rounds to count.

POINTS

Positions after Silverstone April 29 fourth round.

TO BE ADVISED

Next round Silverstone May 29.

There's more Motor Racing organised by
THE BRITISH AUTOMOBILE RACING CLUB
at the Welsh Motorsport Centre, Pembrey
on Sunday July 2nd

BARC Formula Ford 2000, P&O European Ferries Junior FF1600, London Motor Fleet Formula 'E' Ford 1600,
 BARC Special Saloons,
 MGCC Modified Midgets, 2CV Car Club. Formula 500, TR Sports Six.

FIRST RACE 2 pm.

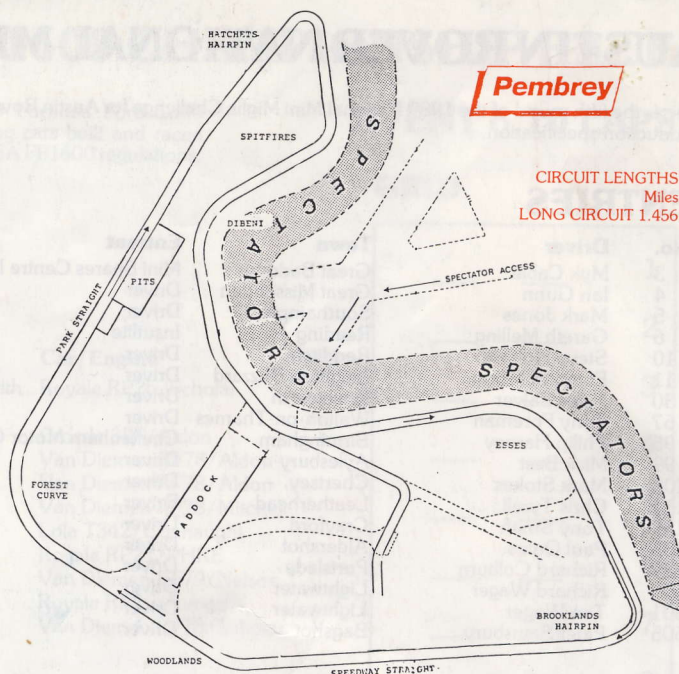


October 1

PEMBREY CIRCUIT celebrates its first ever car race meeting today, May 21st, 1989. Organised by the British Automobile Racing Club, this inaugural meeting features a seven-race programme of single-seater and saloon championship races.

PADDOCK. For those who would like a closer look at the competing cars and drivers, access to the Paddock is via the circuit crossing, as indicated on the circuit map.

TOILETS. There are ladies and gents toilets situated in the Paddock and in the Public Enclosures.



CIRCUIT LENGTHS
Miles
LONG CIRCUIT 1.456

CAMPING/CARAVANNING. Those who wish to stay overnight either under canvas or in a caravan should follow the camping signs. Fresh water will be available at the camp site.

CAR PARKING. Vehicles are taken into the car park on condition that neither the organisers — the British Automobile Racing Club — nor the Llanelli Borough Council shall be liable for loss or damage to the vehicle, or to any part or accessory thereof, or to anything left in or about or with any vehicle, in whatever way or by whatever means such loss or damage may be caused.

PEMBREY SPEED TABLE (1.456 Miles) SPEED (in mph) = $\frac{1.456 \times 3600 \times \text{No. of laps}}{\text{Time (in secs)}}$

M	S	MPH	M	S	MPH	M	S	MPH	M	S	MPH	M	S	MPH	M	S	MPH	M	S	MPH			
0	46.0	113.94	0	50.0	104.83	0	54.0	97.06	0	58.0	90.37	1	2.0	84.54	1	6.0	79.41	1	10.0	74.88	1	14.0	70.83
0	46.1	113.70	0	50.1	104.62	0	54.1	96.88	0	58.1	90.21	1	2.1	84.40	1	6.1	79.29	1	10.1	74.77	1	14.1	70.73
0	46.2	113.45	0	50.2	104.41	0	54.2	96.70	0	58.2	90.06	1	2.2	84.27	1	6.2	79.17	1	10.2	74.66	1	14.2	70.64
0	46.3	113.20	0	50.3	104.20	0	54.3	96.53	0	58.3	89.90	1	2.3	84.13	1	6.3	79.05	1	10.3	74.56	1	14.3	70.54
0	46.4	112.96	0	50.4	104.00	0	54.4	96.35	0	58.4	89.75	1	2.4	84.00	1	6.4	78.93	1	10.4	74.45	1	14.4	70.45
0	46.5	112.72	0	50.5	103.79	0	54.5	96.17	0	58.5	89.60	1	2.5	83.86	1	6.5	78.82	1	10.5	74.34	1	14.5	70.35
0	46.6	112.48	0	50.6	103.58	0	54.6	96.00	0	58.6	89.44	1	2.6	83.73	1	6.6	78.70	1	10.6	74.24	1	14.6	70.26
0	46.7	112.23	0	50.7	103.38	0	54.7	95.82	0	58.7	89.29	1	2.7	83.59	1	6.7	78.58	1	10.7	74.13	1	14.7	70.16
0	46.8	112.00	0	50.8	103.18	0	54.8	95.64	0	58.8	89.14	1	2.8	83.46	1	6.8	78.46	1	10.8	74.03	1	14.8	70.07
0	46.9	111.76	0	50.9	102.97	0	54.9	95.47	0	58.9	88.99	1	2.9	83.33	1	6.9	78.34	1	10.9	73.92	1	14.9	69.98
0	47.0	111.52	0	51.0	102.77	0	55.0	95.30	0	59.0	88.84	1	3.0	83.19	1	7.0	78.23	1	11.0	73.82	1	15.0	69.88
0	47.1	111.28	0	51.1	102.57	0	55.1	95.12	0	59.1	88.69	1	3.1	83.06	1	7.1	78.11	1	11.1	73.72	1	15.1	69.79
0	47.2	111.05	0	51.2	102.37	0	55.2	94.95	0	59.2	88.54	1	3.2	82.93	1	7.2	78.00	1	11.2	73.61	1	15.2	69.70
0	47.3	110.81	0	51.3	102.17	0	55.3	94.78	0	59.3	88.39	1	3.3	82.80	1	7.3	77.88	1	11.3	73.51	1	15.3	69.60
0	47.4	110.58	0	51.4	101.97	0	55.4	94.61	0	59.4	88.24	1	3.4	82.67	1	7.4	77.76	1	11.4	73.41	1	15.4	69.51
0	47.5	110.34	0	51.5	101.77	0	55.5	94.44	0	59.5	88.09	1	3.5	82.54	1	7.5	77.65	1	11.5	73.30	1	15.5	69.42
0	47.6	110.11	0	51.6	101.58	0	55.6	94.27	0	59.6	87.94	1	3.6	82.41	1	7.6	77.53	1	11.6	73.20	1	15.6	69.33
0	47.7	109.88	0	51.7	101.38	0	55.7	94.10	0	59.7	87.79	1	3.7	82.28	1	7.7	77.42	1	11.7	73.10	1	15.7	69.24
0	47.8	109.65	0	51.8	101.18	0	55.8	93.93	0	59.8	87.65	1	3.8	82.15	1	7.8	77.30	1	11.8	73.00	1	15.8	69.15
0	47.9	109.42	0	51.9	100.99	0	55.9	93.76	0	59.9	87.50	1	3.9	82.02	1	7.9	77.19	1	11.9	72.90	1	15.9	69.05
0	48.0	109.20	0	52.0	100.80	0	56.0	93.60	1	0.0	87.35	1	4.0	81.90	1	8.0	77.08	1	12.0	72.80	1	16.0	68.96
0	48.1	108.97	0	52.1	100.60	0	56.1	93.43	1	0.1	87.21	1	4.1	81.77	1	8.1	76.96	1	12.1	72.69	1	16.1	68.87
0	48.2	108.74	0	52.2	100.41	0	56.2	93.26	1	0.2	87.06	1	4.2	81.64	1	8.2	76.85	1	12.2	72.59	1	16.2	68.78
0	48.3	108.52	0	52.3	100.22	0	56.3	93.10	1	0.3	86.92	1	4.3	81.51	1	8.3	76.74	1	12.3	72.49	1	16.3	68.69
0	48.4	108.29	0	52.4	100.03	0	56.4	92.93	1	0.4	86.78	1	4.4	81.39	1	8.4	76.63	1	12.4	72.39	1	16.4	68.60
0	48.5	108.07	0	52.5	99.84	0	56.5	92.77	1	0.5	86.63	1	4.5	81.26	1	8.5	76.51	1	12.5	72.29	1	16.5	68.51
0	48.6	107.85	0	52.6	99.65	0	56.6	92.60	1	0.6	86.49	1	4.6	81.13	1	8.6	76.40	1	12.6	72.19	1	16.6	68.42
0	48.7	107.63	0	52.7	99.46	0	56.7	92.44	1	0.7	86.35	1	4.7	81.01	1	8.7	76.29	1	12.7	72.09	1	16.7	68.33
0	48.8	107.40	0	52.8	99.27	0	56.8	92.28	1	0.8	86.21	1	4.8	80.88	1	8.8	76.18	1	12.8	72.00	1	16.8	68.25
0	48.9	107.19	0	52.9	99.08	0	56.9	92.11	1	0.9	86.06	1	4.9	80.76	1	8.9	76.07	1	12.9	71.90	1	16.9	68.16
0	49.0	106.97	0	53.0	98.89	0	57.0	91.95	1	1.0	85.92	1	5.0	80.64	1	9.0	75.96	1	13.0	71.80	1	17.0	68.07
0	49.1	106.75	0	53.1	98.71	0	57.1	91.79	1	1.1	85.78	1	5.1	80.51	1	9.1	75.85	1	13.1	71.70	1	17.1	67.98
0	49.2	106.53	0	53.2	98.52	0	57.2	91.63	1	1.2	85.64	1	5.2	80.39	1	9.2	75.74	1	13.2	71.60	1	17.2	67.89
0	49.3	106.32	0	53.3	98.34	0	57.3	91.47	1	1.3	85.50	1	5.3	80.26	1	9.3	75.63	1	13.3	71.50	1	17.3	67.80
0	49.4	106.10	0	53.4	98.15	0	57.4	91.31	1	1.4	85.36	1	5.4	80.14	1	9.4	75.52	1	13.4	71.41	1	17.4	67.72
0	49.5	105.89	0	53.5	97.97	0	57.5	91.15	1	1.5	85.22	1	5.5	80.02	1	9.5	75.41	1	13.5	71.31	1	17.5	67.63
0	49.6	105.67	0	53.6	97.79	0	57.6	91.00	1	1.6	85.09	1	5.6	79.90	1	9.6	75.31	1	13.6	71.21	1	17.6	67.54
0	49.7	105.46	0	53.7	97.60	0	57.7	90.84	1	1.7	84.95	1	5.7	79.78	1	9.7	75.20	1	13.7	71.12	1	17.7	67.45
0	49.8	105.25	0	53.8	97.42	0	57.8	90.68	1	1.8	84.81	1	5.8	79.65	1	9.8	75.09	1	13.8	71.02	1	17.8	67.37
0	49.9	105.04	0	53.9	97.24	0	57.9	90.52	1	1.9	84.67	1	5.9	79.53	1	9.9	74.98	1	13.9	70.92	1	17.9	67.28