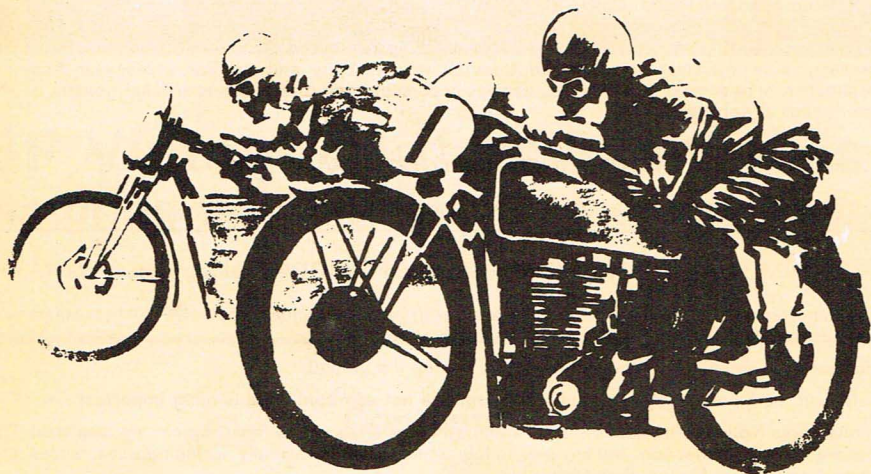


BP **Vintage**
Motor Cycle Races
featuring the
Vintage Race of the East



Mallory
Park

Sunday, June 28, 1981
Official Programme 40p

Organised by V.M.C.C.



Flag Signals



Red	Stop, all Drivers
Black, with Rider's Number	That Rider to stop
Yellow (Motionless)	Danger, Drive slowly
Yellow (waved)	Great Danger, be prepared to stop
Yellow with Red Stripes	Danger, Oil on Track
Green	Course clear
White	Ambulance on Course
Chequered Black and White	Finish

Conditions of Admission

NOTICE: WARNING TO THE PUBLIC — MOTOR RACING IS DANGEROUS

Spectators attending the track do so entirely at their own risk. It is a condition of admission that the Mallory Park Circuit Limited and all persons having any connection with the promotion and/or organisation and/or conduct of the meeting (including the drivers and owners of vehicles and passengers in vehicles) are absolved from all responsibility and liability whatsoever from negligence, or by accident causing loss, damage or personal injury to spectators or ticket-holders, or their goods or vehicles.

Postponement of the Meeting

The Club reserves the right to postpone or cancel the meeting)

For the Attention of Spectators

Please do not leave litter about the grounds — take it with you. If an accident occurs leave it to the marshals, the doctors and St John Ambulance men who are in attendance.

Remember to drive with care and caution when leaving the ground.

To safeguard both competitors and public — **dogs are not admitted. This is most important.**

Prohibited Area Notices: The public are not admitted in the areas where these notices are displayed. The fences are there for protection, and any person found trespassing, or wilfully damaging trees, fences, etc, will be prosecuted by Mallory Park Circuit Ltd.

PLEASE PUT YOUR LITTER IN THE BINS PROVIDED

Competitors and public alike are requested not to spoil these attractive surroundings by throwing litter (particularly tin cans) into the lakes. They are also asked to treat all estate property with respect.

PRIVATE FISHING

All fishing is private and no fishing is allowed at weekends. Anyone found violating this order will have his equipment confiscated.

The promoters reserve the right without notice to make any alteration to the race programme.

This meeting is promoted by:

MOTOR CIRCUIT DEVELOPMENTS LTD

Managing Director: JOHN WEBB

Executive Directors: DAVID ISAAC
ANGELA WEBB
ALAN WILSON

For MALLORY PARK CIRCUIT LTD

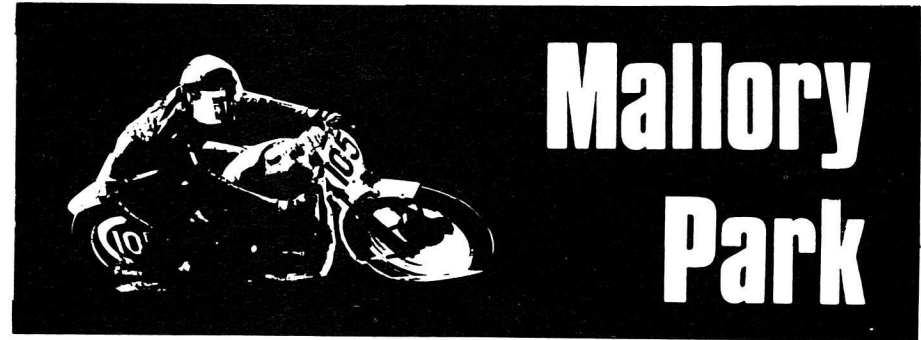
Director of Motor Cycle Racing: C. J. D. LOWE
130-136 Maidstone Road, Sidcup, Kent, DA14 5HS

Circuit Manager: Peter Stayner

Mallory Park Circuit Ltd, Kirkby Mallory, Leicester, LE9 7QE. Earl Shilton (STD 0455) 42931

Motor Cycle Meeting

Sunday June 28, 1981



BP Vintage Motorcycle Races featuring the Vintage Race of the Year

This Meeting is organised by The Vintage Motorcycle Club and East Midlands A.C.U. Permit No. Q297

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Photos by courtesy of S. R. Keig Ltd. Douglas, Isle of Man.

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Today's Programme

Practice 9.30am—Noon

Race	Event	Category	Laps	Time
Race 1	Event 5	Solo up to 1944 — Heat 1	4	12.30
Race 2	Event 6	Solo up to 1955 Championship — Heat 1	4	
Race 3	Event 4	Solo Racing 251 to 350cc — Heat 1	4	Races will
Race 4	Event 7	Threewheelers — Heat 1	4	start as
Race 5	Event 6	Solo up to 1955 Championship — Heat 2	4	soon as
		Parade	15 mins	possible
Race 6	Event 5	Solo up to 1944 Championship — Heat 2	4	after
Race 7	Event 5	Solo up to 1944 Championship — Heat 3	4	preceding
Race 8	Event 4	Solo Racing 251 to 350cc — Heat 2	4	race.
Race 9	Event 2	Solo Racing Vintage to 1930	6	
Race 10	Event 6	Solo up to 1955 Championship — Heat 3	4	
		Belt Drive Parade	20 mins	
Race 11	Event 1	Solo Machines, Standard	6	
Race 12	Event 5	Solo up to 1944 Championship — Final	8	
Race 13	Event 7	Threewheelers — Final	4	
Race 14	Event 6	Solo up to 1955 Championship — Final	8	
Race 15	Event 3	Solo Racing up to 250cc	6	
		Parade	15 mins	
Race 16	Event 4	Solo Racing 251 to 350cc — Final	6	
Race 17	Event 7	Threewheelers — Final	6	
Race 18	Event 8	B.P. Vintage Race of the Year	8	
Race 19	Event 7	Threewheelers Consolation	4	

Thank You



The Racing Section of the Vintage Motorcycle Club wishes to pay tribute to BP for its consistent support of this event over the past years, years in which the event has grown in stature culminating in today's magnificent programme. Thank you BP.

Tony Willmott
Chairman
VMCC Racing Section

Today's Competitors

SOLOS

2 Titch Allen	67 Lawrence Parris	139 Anthony Fair	206 James Stone
4 Rob Sewell	68 John Ruth	140 John Grew	207 Philip Neumuller
5 Tony Harris	69 Ray Staveley	141 David Rimmer	209 Alan Wright
7 Roger Allen	70 Noel Allman	143 Len Hunt	210 Neville Miller
8 Roger Munsey	73 Simon Mulcuck	144 Chris Williams	211 Martin Russel
11 Chris Williams	76 Don Darke	145 Richard Cornish	212 Simon Shakespeare
12 Mike Coombs	78 Shane Lockley	146 Stephen De'Ath	213 Antony Sutton
15 Cyril Luton	79 Ernest Braine	147 Julian White	215 Stephen Walls
16 Michael Noblet	80 Fred Ellis	148 Peter Pack	217 Barrie Baxter
17 David Whitehouse	84 Barry Blythe	153 Bill Morris	219 Alistair Hillaby
18 Keith Wakelin	86 Frank Turner	156 Arthur Robinson	220 Colin Pearson
19 John Harvey	87 Len Barnes	157 Patrick Jeal	221 Andy Ellis
20 Geoff Pollard	88 David Izard	159 Paul Moorcroft	222 Stephen Mulkerrin
22 John Armstrong	89 Colin Heath	160 Paul Fulford	223 Timothy Kingham
23 Norman Francis	90 Duncan Hosie	161 Roy Harrison	224 Gerald Millward
24 Roy Coyle	91 David Whiteside	162 Anthony Edwards	225 Dave Storry
26 Don Murrey	92 Jim Lidgate	163 Martin Arscott	226 ARthur Summerscales
27 Don Ellis	93 Bruce Hosie	164 Bruce Boulton	227 Steve Vaughan
28 Derek Pollard	96 Neville Miller	165 WilliamWiggins	228 Peter Will
30 Nick Payton	97 Peter Hodgkinson	166 Roy Diver	230 David Swain
31 Doug Jones	98 Harry Long	167 Ian Pearce	231 David Farmer
33 Bob Edwards	99 Mark Gunson	168 Howard Worrall	233 Michael Robbins
34 Kenneth Ramsden	100 Christopher Holt	170 Richard Adams	234 Steve Hughes
36 Chris Griffiths	101 Jeremy Burton	172 Roland Stevens	237 Brian Hunt
37 Peter John	103 George Ewer	174 Richard Pelham	238 John Loaring
39 Peter Miles	104 Trevor Shakespeare	175 Bob Harris	239 John Burrows
40 Peter Welch	106 Vic McLachlan	176 Phillip Barton	240 Alec Sanders
41 Grahame Rhodes	107 Derek Whittle	179 Andrew Walker	241 Maurice Smyth
42 Clive Atherton	109 Charles Chivers	180 Keith Prime	242 William Dodge
44 Roy Shearwood	114 Alan Walker	183 John Shaw	243 David Hughes
45 Simon Hill	115 Roger Moss	184 Clive Hilton	244 Peter tomes
48 Alan Lewis	116 Laurence Langridge	185 Patrick Devlin	245 Melvyn Hodgkins
49 Ronald Balnaves	117 Gary Doggett	187 Ian Whitehead	246 John Laughton
51 Ken Buchanan	118 David Longstreeth	190 John Hurleston	247 John Turner
52 Mervyn Stratford	119 Geoff Brandon	192 Peter Dean	249 Con Chivers
54 Michael Saville	121 Don Daly	194 Ian Alexander.	250 Steven Johnson
55 Derek Older	123 Reg Bolton	195 Doug Parry	251 Simon Moorcroft
57 Mick Roe	124 Jeffrey Savage	198 Roy Castle	252 Paul Ennis
58 Chris Pereira	125 Ron Cornfoot	199 Rodney Wright	253 Ray Moses
62 Geoff Bain	128 Tim Maton	200 Tony Darke	254 R. Harvey
63 Robin Boalch	129 Ken Rose	201 Frank West-Oram	255 Colin Sutherland
64 Ralph Whitehouse	132 Neil Smith	202 David Bates	256 Bill Pilling
65 Christopher Moorcroft	136 Brian Denehy	204 Peter Farrington	257 David Carter
66 Eddie Greaves	137 Ken Kynman	205 E. Richardson	
	138 Brian Sayles		

THREEWHEELERS

2 Titch Allen/Adrian Weston	26 Chris Williams/Colin Durnall
5 Celia Walton/Peter John	27 Eric Swan/David Carr
9 Owen Greenwood/Geoff Hibbit	28 Greg Bibby/Steve Prichard
10 Peter Wilkinson/Stephen Woodward	29 Roger Kershaw/Pauline Kershaw
11 Leonard Ore/David Fox	31 Cliff Dearden/Cyril Dearden
14 Tony Regan/Ian Gardner	34 Bill Tuer/Maggie Tuer
16 Rosemary Wilkinson/Stephanie Wilkinson	35 Harold Pass/Mo Worrall
18 Ron East/Colin Clover	36 Ian Rattran/Steven Vines
19 Steve Hughes/Chas Reynolds	37 Martin Baylis/Malcolm Bull
20 Lewis Dawson/Robert Holmes	38 Andrew Stewart/Laurie Fraine
21 Jeremy Stevens/Chris Tarbitten	39 Charles Pilbeam/John Blower
22 Grahame Alcock/Barry Voss	40 Stuart Harper/R. Garside
24 David Tunstall/Stewart Trauls	47 Chris Chant/Bryan Sutton
25 Peter Sutton/Chris Clark	

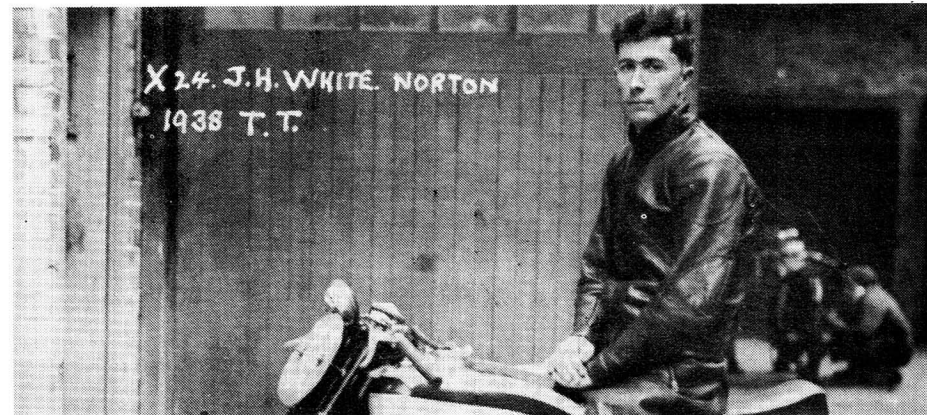
Celebrities here today

Amongst the celebrities expected today either riding or visiting are the following:

George Buck
Bert Perrigo
Arthur Welstead
Charlier Rous
Keith Heckles
Percy Tait
Bert Milnes
George Ewer
G. Barnacle
Derek Murdoch
Ted Davis
Cyril Julian
Phil Heath

George Rowley
Maurice Cann
Ray Battersby
Phil Denton
Rex Judd
Stan Pike
Clive Waye
John Blanchard
Ron Langston
Ivan Rhodes
Dennis Jones
John Lawley

and possibly Stanley Woods and John Cooper.



Misty memories recalled by J. H. (Crasher) White

I never raced at Mallory Park; I don't think it existed in the early thirties. My first small circuit meeting was Syston, near Grantham, on the August Bank Holiday of 1931. It was a singularly inauspicious beginning to a racing career. The method of starting was to line the machines up on one side of the track and the riders on the other, who then ran across each to his machine (in theory) and pushed it off and away. What happened in practise was that the man next to me, whose machine was an ancient Raleigh with an outside flywheel, seized my KTT Velocette. By the time I had convinced him of his error the rest of the field was half way round the first lap. (I was reminded of this incident by seeing a Raleigh of this type a few months ago in Ron Amey's splendid collection of vintage machinery). Full of righteous indignation, off I rushed in hot pursuit, braked far too late at the first hairpin, and that was that. Syston was an interesting little circuit, hardly more than a footpath round the back amongst the pig styes, and I got the hang of it the following year and acquired a small silver cup which is still in daily use as a drinking vessel in my household.

Then Syston faded out as Donington came into use, much more professional and like the circuits of today with a good tarred surface and a proper competition enclosure, run by an autocrat called Fred Craner in the name of the Derby and District M.C. You could stay in the stately mansion of the park and I particularly remember the Whitsun meeting of '33 I think, getting up for practice on a glorious summer morning with mist on the lake, and later in the day a monumental battle with Freddie Frith in the 350 race, sweeping past him on the outside of the last bend. Other incidents I remember at Donington are learning the hard way never to touch the front brake while cornering, and literally rubbing shoulders with Jack Booker on his Enfield while flat out along the back straight. No harm done, but what a fright we both had. The last time I rode at Donington was when Nortons agreed to enter their riders in some commemorative event, a Dunlop Jubilee or something, in about 1938 — a very different affair from one's earlier struggles as a private owner, and much less fun. Those struggles came to an end of course when I joined the Norton team in 1935, but a lot of the fun came to an end too — one was considered too valuable a body to be risked in anything except an international event for the firm, and forbidden to compete in anything else. I had been warned that this would be so, but succumbed to the glamour of the T.T., foolishly I now think. In the 1934 Manx Grand Prix I had the best of both worlds, riding as a private owner but on real T.T. machines loaned by Norton Motors. In flat contravention of course the bond they had signed together with all the other manufacturers not to support the race, but they were determined at all costs to break the monopoly of the Junior race that had been established by Velocettes (through the excellence of their genuinely standard KTT machines). So Nortons lent a couple of works machines for each race to Doug Pirie and me, and very hush-hush it all was — they were kept in a little lock-up garage somewhere in Upper Douglas in the protection of a Norton mechanic, and we weren't allowed to leave them lying about in the paddock after practice while we drank our morning cocoa like everybody else — we had to put them away immediately and come back to the cocoa tent on a hack machine. Precedents for this sort of skulduggery had been set by Ridges in 1930 or so when they lent their works machines, and by New Imperials when they lent Jack Carr his winning machine in about 1932.

1934 was the peak year of the Cambridge University Club. We won the team prize, the Junior race, both lap records and several replicas. We had never done quite as well before (though Malcolm Muir had won the Senior in 1931 on about the first 'Manx' Norton), and we never did as well again. I suppose it was the peak period too for the British motor bike industry, but the writing was already on the wall — the German technical press were describing the T.T. Nortons as museum pieces, and how right they were.

Solo Motorcycles unlimited up to 1944 CLUB CHAMPIONSHIP

First nine to qualify for Final.

No.	RIDER	TOWN	cc	MACHINE	YEAR
2	Titch Allen	Ibstock	596	Scott	1936
11	Chris Williams	Llanismen	500	Velocette	1937
19	John Harvey	Fixby	250	Velocette	1938
23	Norman Francis	Lincoln	498	Norton	1939
27	Don Ellis	Aylesbury	500	Rudge	1937
34	Ken Ramsden	Frizinghall	490	Norton	1939
48	Alan Lewis	Blisworth	500	Triumph	1939
54	Michael Saville	Newent	570	Ariel	1939
62	Geoff Baine	Widnes	500	Norton	1939
73	Simon Mulcuck	Cardiff	349	Velocette	1939
79	Ernest Braine	Eastcote	500	Ariel	1938
87	Len Barnes	West Tilbury	348	Triumph	1939
91	David Whiteside	Dunstable	498	Scott	1929
103	George Ewer	Uxbridge	250	Rudge	1938
115	Roger Moss	South Croxton	500	Triumph	1939
119	Geoff Brandon (Ent: Jack Lilley Motorcycles)	Walton-on-Thames	540	Ariel	1938
125	Ron Cornfoot	Sapcote	499	Norton	1934
136	Brian Denehy	Wisbech	490	Norton	1937
148	Peter Pack	Harrold	470	Velocette	1938
162	Anthony Edwards	Cheslynhay	490	Norton	1930
170	Richard Adams	Alcester	495	Velocette	1937
180	Keith Prime	Gedling	495	Rudge	1935
185	Patrick Devlin	Towcester	350	Velocette	1934
194	Ian Alexander	Atherstone	499	Vincent H.R.D.	1936
210	Neville Weeks	Llanybther	248	Cotton	1938
223	Timothy Kingham	Chesham	499	Rudge	1938
238	John Loaring	Bedford	348	Velocette	1939
247	John Turner	Standish	500	Ariel	1936

Reserves in following order for Race Nos. 1, 6 & 7.

39	Peter Miles	Towcester	348	Velocette	1939
69	Ray Staveley	Doncaster	500	B.S.A.	1939
164	Bruce Boulton	Blakedown	349	Velocette	1935
254	R. Harvey	Brighouse	349	Velocette	1939
137	Ken Kynman	Hull	498	Norton	1938
239	John Burrows (Ent. Graham Rudo)	Stamford	499	Norton	1939

RESULTS

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____

Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph

Solo Motorcycles unlimited 1945 to 1955 CLUB CHAMPIONSHIP

First nine to qualify for Final.

No.	RIDER	TOWN	cc	MACHINE	YEAR
4	Rob Sewell	Loughborough	745	Norton	1955
16	Michael Noblett	Hoghton	650	Triumph	1950
22	John Armstrong	Hullavington	500	Norton	1955
30	Nick Payton	London	550	Velocette	1955
34	Ken Ramsden	Frizinghall	650	Triumph	1953
51	Ken Buchanan	Colchester	600	B.M.W.	1955
63	Robin Boalch	Peterborough	650	Triumph	1952
69	Ray Staveley	Doncaster	650	Triumph	1955
79	Ernest Braine	Eastcote	650	Triumph	1953
97	Peter Hodgkinson	Hastings	500	B.S.A.	1955
101	Jeremy Burton	Bristol	649	Triumph	1952
109	Charles Chivers	Blagdon	700	Royal Enfield	1954
123	Reg Bolton	Shepton Mallet	998	Vincent	1952
138	Brian Sayles	Malby	600	Norton	1955
145	Richard Cornish	High Wycombe	499	Norton	1954
157	Patrick Jeal	Coventry	540	B.S.A.	1950
168	Howard Worrall	Cellarhead	500	Vincent	1951
175	Bob Harris	Hersham	649	Triumph	1953
194	Ian Alexander	Atherstone	499	Vincent	1950
202	David Bates	Carnforth	650	Triumph	1954
207	Philip Neumuller	Ruislip	348	B.S.A.	1948
212	Simon Shakespeare	Leyland	498	Norton	1954
216	Stephen Walls	Wheaton Aston	500	B.S.A.	1953
224	Gerald Millward	Duston	650	Triumph	1953
228	Peter Will	Doncaster	626	Norton	1955
234	Steve Hughes	Chorley	500	B.S.A.	1954
246	John Laughton	Belper	650	Triumph	1955
251	Simon Moorcroft	Ormskirk	500	B.S.A.	1952

Reserves in following order for Race Nos. 2, 5 & 10.

220	Colin Pearson	Reading	598	Matchless	1955
80	Fred Ellis	Hemel Hempstead	650	Triumph	1954
221	Andy Ellis	Hemel Hempstead	500	Triumph	1952
11	Chris Williams	Llanishen	650	Triumph	1950

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____

Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph

Solo Motorcycles 251 to 350cc up to 1955

First fourteen to Final.

No.	RIDER	TOWN	cc	MACHINE	YEAR
17	David Whitehouse (Ent. Harry Whitehouse)	Kingswinford	348	Norton	1955
23	Norman Francis	Lincoln	348	Norton	1951
26	Don Murrey	Sutton Coldfield	348	Velocette	1938
41	Grahame Rhodes	Borrowash	348	Velocette	1937
58	Chris Pereira	Bracknall	350	Velocette	1939
6	Eddie Greaves	Towcester	348	Velocette	1936
73	Simon Mulcuck	Cardiff	349	Velocette	1939
79	Ernest Braine	Eastcote	350	Ariel	1938
87	Len Barnes	West Tilbury	348	Triumph	1939
99	Mark Gunson	Nettleham	350	Norton	1955
106	Vic McLachlan	Pennfields	350	Velocette	1938
116	Laurence Langridge	Evesham	348	Velocette	1938
121	Don Daly	Brentwood	348	Velocette	1938
146	Stephen De'Ath	Stanway	350	Velocette	1936
153	Bill Morris	Thurmaston	348	Velocette M.A.C.	1936
161	Roy Harrison	Skelmersdale	349	Ariel Red Hunter	1937
164	Bruce Boulton	Blakedown	349	Velocette	1935
176	Philip Barton	Congleton	350	B.S.A.	1951
185	Patrick Devlin	Towcester	350	Velocette	1934
195	Doug Parry	Epping	348	Velocette	1939
204	Peter Farrington	Peterborough	350	B.S.A. B.31	1954
213	Antony Sutton	Ardleigh	350	Triumph	1942
222	Stephen Mulkerrin	Westoning	350	B.S.A. Gold Star	1954
226	Arthur Summerscales	Pontefract	251	Cotton	1935
238	John Loaring	Bedford	348	Velocette	1939
241	Maurice Smyth	Reading	348	Velocette Viper	1955
247	John Turner	Standish	350	Ariel	1952
254	R. Harvey	Brighouse	349	Velocette	1939

Reserves see Race No. 8.

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____

Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph

Threewheelers up to 1955 unlimited cc

First nine qualify for Final.

No.	RIDER/PASSENGER	TOWN	cc	MACHINE	YEAR
2	Titch Allen Passenger: Adrian Weston	lbstock	520	Norton	1939
9	Owen Greenwood Passenger: Geoff Hibbit	Thurmaston	650	Triumph	1954
11	Leonard Ore Passenger: David Fox	Cinderford	540	Ariel	1938
16	Rosemary Wilkinson Passenger: Stephanie Wilkinson	Chilwell	498	Velocette	1939
19	Steve Hughes Passenger: Chas Reynolds	Chorley	650	B.S.A.	1954
21	Jeremy Stevens Passenger: Chris Tarbitton)	Cardiff	997	Ariel	1938
24	David Tunstall Passenger: Steward Travis	Hucknall	560	Velocette	1939
26	Chris Williams Passenger: Colin Durnall	Penn	600	panther	1939
28	Greg Bibby Passenger: Steve Uprichard	Kibworth	995	Morgan	1931
31	Cliff Dearden Passenger: Cyril Dearden	Doncaster	1172	Morgan	1935
35	Harold Pass Passenger: Mo Worrall	Congleton	1097	Morgan	1936
37	Martin Baylis Passenger: Malcolm Bull	Coventry	500	Morgan	1930
39	Charles Pilbeam Passenger: John Blower	Halifax	1172	Morgan	1938
47	Chris Chant Passenger Bryan Sutton	Coleshill	998	Vincent	1949

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____

Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph



**Solo Motorcycles unlimited 1945 to 1955
CLUB CHAMPIONSHIP**

First nine to qualify for Final.

No.	RIDER	TOWN	cc	MACHINE	YEAR
5	Tony Harris	Hinckley	650	Norton	1955
17	David Whitehouse (Ent. Harry Whitehouse)	Kingswinford	499	Norton	1954
24	Roy Coyle	London Colney	650	Triumph	1954
31	Doug Jones	Walsall	650	Triumph	1951
42	Clive Atherton	Bolton	649	Triumph	1954
55	Derek Older	Claygate	499	Vincent	1950
64	Ralph Whitehouse	Caddington	249	B.S.A.	1953
73	Simon Mulcuck	Cardiff	650	Triumph	1954
90	Duncan Hosie	Whitchurch	497	Norton	1954
98	Harry Long	Godalming	499	B.S.A.	1952
103	George Ewer	Uxbridge	500	Triumph	1948
117	Gary Doggett	Bletchley	350	B.S.A.	1954
128	Tim Maton	Marcham	350	B.S.A.	1953
141	David Rimmer	Leyland	650	Triumph	1950
147	Julian White	Watford	500	B.S.A.	1953
165	William Wiggins	Crawley	500	Triumph	1948
172	Roland Stevens	Dunstable	650	Triumph	1954
176	Philip Barton	Congleton	350	B.S.A.	1951
199	Rodney Wright	Blackpool	499	Norton	1953
204	Peter Farrington	Peterborough	350	B.S.A.	1954
209	Alan Wright	Preston	499	Norton	1955
213	Antony Sutton	Ardleigh	500	Norton-J.A.P.	1955
219	Alistair Hillaby	Chorley	650	Triumph	1949
225	Dave Storry	Newcastle	350	B.S.A.	1954
231	David Farmer	Loughborough	650	Triumph	1954
241	Maurice Smyth	Reading	348	Velocette	1955
249	Con Chivers	Eltham	350	Norton	1954
255	Colin Rutherford (Ent. G. Rudd)	Uppingham	650	Triumph	1953

Reserves see Race No. 2.

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____
 Winner's Time _____ Speed _____ mph
 Fastest Lap: No. _____ Time _____ Speed _____ mph

**Solo Motorcycles unlimited up to 1944
CLUB CHAMPIONSHIP**

First nine to qualify for Final.

No.	RIDER	TOWN	cc	MACHINE	YEAR
7	Roger Allen	Ibstock	499	Rudge	1929
18	Keith Wakelin	Spondon	350	Velocette	1938
22	John Armstrong	Hullavington	498	Triumph	1939
26	Don Murrey	Sutton Coldfield	348	Velocette	1938
31	Doug Jones	Walsall	250	Triumph	1939
45	Simon Hill	East Grinstead	498	Triumph	1938
52	Mervyn Stratford (Ent. Kwikstik Products)	Aylesbury	249	Rudge	1936
58	Chris Pereira	Bracknall	500	Velocette	1937
66	Eddie Greaves	Towcester	348	Velocette	1936
78	Shane Lockley	Waddington	500	Norton	1939
86	Frank Turner	Eccleston	495	Velocette	1938
89	Colin Heath	Copthorne	501	Scott	1934
100	Christopher Holt	Gnosall	343	Triumph	1937
107	Derrick Whittle	Whitworth	600	Scott	1929
117	Gary Doggett	Bletchley	500	A.J.W.	1934
124	Jeffrey Savage	Midford	490	Norton	1936
132	Neil Smith	Wakefield	500	J.A.P.	1939
146	Stephen De'Ath	Stanway	350	Velocette	1936
161	Roy Harrison	Skelmersdale	580	Ariel	1938
167	Ian Pearce	Bridgnorth	600	Scott	1935
179	Andrew Walker	Arnold	250	B.S.A.	1939
184	Clive Hilton	Wallasey	499	Rudge	1937
192	Peter Dean	Congleton	349	Velocette	1939
198	Roy Castle	Kilsby	500	Ariel	1939
217	Barrie Baxter	Liverpool	347	Velocette	1929
230	David Swain	Long Clawson	498	PRM Panther	1926
243	David Hughes	Wigan	539	Ariel	1937
253	Ray Moses	Ross-on-Wye	250	Triumph	1936

Reserves see Race No. 1.

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____
 Winner's Time _____ Speed _____ mph
 Fastest Lap: No. _____ Time _____ Speed _____ mph

Vintage Enthusiasts — Diary Dates

Sunday, July 5

Saturday, August 1

BP Vintage 'Race of the South'

BP Vintage 'Race of the North'

BRANDS HATCH

OULTON PARK

Solo Motorcycles unlimited up to 1944 CLUB CHAMPIONSHIP

First nine to qualify for Final.

No.	RIDER	TOWN	cc	MACHINE	YEAR
5	Tony Harris	Hinckley	512	Triumph	1939
12	Mike Coombes	Wallingford	650	Scott	1034
20	Geoff Pollard (Ent. Wilf Green Motorcycles)	Sheffield	600	Norton	1938
28	Derek Pollard (Ent. Wilf Green Motorcycles)	Sheffield	250	Triumph	1937
41	Grahame Rhodes	Borrowash	348	Velocette	1937
49	Ronald Balnaves	South Yardley	497	Ariel	1938
57	Mike Roe	Brentwood	500	Vincent	1937
63	Robin Boalch	Peterborough	500	Triumph	1939
76	Don Darke	Stilton	250	Triumph	1938
84	Barry Blythe	Scunthorpe	499	Rudge	1936
88	David Izard	Wickham Bishops	578	Ariel	938
96	Neville Miller	Chelmsford	495	Velocette	1938
106	Vic McLachlan	Pennfields	350	Velocette	1938
116	Laurence Langridge	Evesham	348	Velocette	1938
121	Don Daly	Brentwood	500	Velocette	1937
129	Ken Rose	Broadway	500	Ariel	1939
139	Anthony Fair	Stanmore	495	Rudge	1938
153	Bill Morris	Thurmaston	348	Velocette	1936
163	Martin Arscott	Tring	348	Velocette	1933
175	Bob Harris	Hersham	498	B.S.A.	1939
183	John Shaw	Halesowen	348	Velocette	1939
187	Ian Whitehead	Harefield	250	New Imperial	1934
195	Doug Parry	Epping	348	Velocette	1939
215	Jonathan Cohen	Norwich	500	Triumph	1939
226	Arthur Summerscales	Pontefract	251	Cotton	1935
237	Brian Hunt	Solihull	490	Norton	1939
242	William Dodge	Handsworth	348	Norton	1936
252	Paul Ennis	Four Oaks	600	Norton	1937

Reserves see Race No. 1.

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____

Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph

12

Solo Motorcycles 251 to 350cc to 1955

First fourteen to Final.

No.	RIDER	TOWN	cc	MACHINE	YEAR
8	Roger Munsey	Groby	348	A.J.S.	1951
18	Keith Wakelin	Spondon	350	Velocette	1938
24	Roy Coyle	London Colney	350	B.S.A. Gold Star	1949
39	Peter Miles	Towcester	348	Velocette K.T.T.	1939
44	Roy Shearwood	Westoning	350	B.S.A. Gold Star	1952
65	Chris Moorcroft	Ormskirk	349	B.S.A.	1954
70	Noel Allman	Kingswinford	348	Norton	1947
78	Shane Lockley	Waddington	350	Norton	1954
84	Barrie Blyth	Scunthorpe	350	Velocette K.T.T.	1931
97	Peter Hodgkinson	Hastings	350	B.S.A. Gold Star	1955
100	Chris Holt	Gnosall	343	Triumph	1937
109	Charles Chivers	Biagdon	350	Velocette	1952
117	Gary Doggett	Bletchley	350	B.S.A. B.31	1954
128	Tim Maton	Marcham	350	B.S.A. Gold Star	1953
147	Julian White	Watford	350	B.S.A. Gold Star	1952
160	Paul Fulford	Landford	350	Triumph	1936
163	Martin Arscott	Tring	348	Velocette	1933
166	Roy Diver	Baldock	350	B.S.A.	1949
183	John Shaw	Halesowen	348	Velocette K.T.T.	1939
192	Peter Dean	Congleton	349	Velocette	1939
200	Tony Darke	Stilton	350	B.S.A. Gold Star	1954
207	Philip Neumuller	Ruislip	348	B.S.A. Gold Star	1948
217	Barrie Baxter	Liverpool	347	Velocette	1929
225	Dave Storry	Newcastle	350	B.S.A.	1954
233	Michael Robbins	Chelmsford	350	B.S.A. Gold Star	1954
240	Alec Sanders	Coventry	348	Velocette	1938
242	William Dodge	Handsworth	348	Norton	1936
249	Con Chivers	Eltham	350	Norton	1954

Reserves in following order for Race Nos. 3 & 8.

37	Peter John	Bristol	343	Triumph	1938
157	Patrick Jeal	Coventry	350	B.S.A.	1950
257	David Cater	Stoke-on-Trent	350	Ariel	1940

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____

Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph

13

Solo Motorcycles Vintage unlimited to 1930

No.	RIDER	TOWN	cc	MACHINE	YEAR
7	Roger Allen	Ibstock	499	Rudge	1929
11	Chris Williams	Llanishen	350	Velocette	1930
15	Cyril Luton	Yate	490	Sunbeam	1926
20	Geoff Pollard	Sheffield	490	Norton	1929
(Ent. Wilf Green M/cs)					
40	Peter Welch	Borrowash	570	Rudge	1930
41	Grahame Rhodes	Borrowash	348	Velocette	1930
48	Alan Lewis	Blisworth	500	Norton	1930
52	Mervyn Stratford	Aylesbury	500	Cotton	1930
(Ent. Kwikstik Products)					
6					
62	Geoff Bain	Widnes	550	Norton	1928
69	Ray Staveley	Doncaster	500	Rudge	1930
70	Noel Allman	Kingswinford	596	Scott	1929
88	David Izard	Wickham Bishops	500	Ariel	1930
89	Colin Heath	Copthorne	596	Scott	1929
91	David Whiteside	Dunstable	498	Scott	1929
92	Jim Lidgate	Knowle	350	Velocette	1930
103	George Ewer	Uxbridge	500	Rudge	1930
107	Derek Whittle	Whitworth	600	Scott	1929
114	Alan Walker	Duffield	499	Rudge	1930
115	Roger Moss	South Croxton	650	Scott	1930
140	John Grew	Linton	500	Sunbeam	1926
144	Chris Williams	Penn	500	Panther	1927
162	Anthony Edwards	Cheslynhay	490	Norton	1930
167	Ian Pearce	Bridgnorth	600	Scott	1929
217	Barrie Baxter	Liverpool	347	Velocette	1929
230	David Swain	Long Clawson	498	P & M Panther	1926

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____

Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph

**Solo Motorcycles unlimited 1945 to 1955
CLUB CHAMPIONSHIP**

First nine to qualify for Final.

No.	RIDER	TOWN	cc	MACHINE	YEAR
8	Roger Munsey	Groby	499	Norton	1953
20	Geoff Pollard	Sheffield	650	Norton	1955
(Ent. Wilf Green M/cs)					
33	Bob Edwards	Oswestry	750	Norton	1955
36	Chris Griffiths	Oswestry	650	Triumph	1950
44	Roy Shearwood	Westoning	350	B.S.A.	1952
57	Mike Roe	Brentwood	626	Norton	1947
67	Laurence Parris	West Dulwich	500	Norton	1954
78	Shane Lockley	Waddington	600	Norton	1949
93	Bruce Hosie	Bristol	650	Norton	1955
99	Mark Gunson	Nettleham	500	Norton	1947
104	Trevor Shakespeare	Walsall Wood	490	Triumph	1949
118	David Long Streeth	Rushden	650	Triumph	1951
129	Ken Rose	Broadway	500	Norton	1953
143	Len Hunt	Colchester	498	Triumph	1951
156	Arthur Robinson	Ruddington	500	Triumph	1952
166	Roy Diver	Baldock	350	B.S.A.	1949
174	Richard Pelham	Wimbleton	649	Triumph	1953
190	John Hurlstone	Aylesbury	649	Triumph	1955
201	Fred West-Oram	Northwich	498	Triumph	1952
205	E. Richardson	Leyland	498	Triumph	1953
211	Martin Russell	Blackpool	490	Norton	1955
215	Jonathan Cohen	Norwich	500	Triumph	1954
222	Simon Mulkerrin	Westoning	350	B.S.A.	1954
227	Steve Vaughan	Swinton	650	Triumph	1954
233	Michael Robbens	Chelmsford	350	B.S.A.	1954
245	Mervyn Hodgkins	Brownhills	650	B.S.A.	1954
250	Steven Johnson	Wolverhampton	650	Triumph	1953
256	Bill Pilling	Stockport	650	Triumph	1954


Reserves see Race 2.

RESULTS

1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
 6th _____ 7th _____ 8th _____ 9th _____ 10th _____
 11th _____ 12th _____ 13th _____ 14th _____ 15th _____
 16th _____ 17th _____ 18th _____ 19th _____ 20th _____

Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph



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ELLISTOWN, LEICESTER

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Riding No.	Year	Capacity	Make	Entrant
1	1915	300 cc	T.D.C.	C. G. Franklin
2	1911	499 cc	Triumph	D. Earnshaw
3	1905	700 cc	Simplex	R. Horner
4	1906	498 cc	F. N. "Four"	D. R. Lack
5	1914	225 cc	Triumph	I. Alexander
6	1909	3½ hp	Triumph	W. J. Flew
7	1907	247 cc	F. N.	D. R. Lack
8	1905	300 cc	Chater-Lea	G. Richardson
9	1910	3½ hp	Corah	D. R. Lack
10	1910	2¼ hp	F.N.	A. Burman
11	1919	211 cc	Levis	D. R. Lack
12	1922	247 cc	Levis	B. C. Thomas
14	1911	4 hp	Rex	G. Hallard
15	1912	500 cc	Rover	Mrs. B. Hallard
16	1914	499 cc	Ariel T. T.	J. Bird
17	1920	2¾ hp	Eagre	A. Hull
18	1919	750 cc	Rudge-Multi	P. J. Devlin
19	1908	211 cc	Alcyon	T. Fry
20	1912	554 cc	Bradbury	H. W. Swingler
21	1912	499 cc	Rudge-Multi	J. Allen
22	1921	248 cc	Armis	D. Alexander
23	1912	499 cc	Triumph	B. Sanders
24	1913	498 cc	Humber	L. Henshaw
25	1922	211 cc	Levis	F. Serjeant
26	1914	4 hp	Triumph	M. G. Mullins
27	1912	554 cc	Bradbury	M. I. Willis
28	1913	499 cc	Rudge-Brooklands	D. McMahon
29	1914	2¼ hp	Triumph	N. Beesley
30	1919	488 cc	Campion	R. Shaw
31	1918	596 cc	Douglas	J. Davies
32	1914	2¼ hp	Triumph	J. Ormerod
33	1911	3½ hp	Triumph	J. O. Cragg
34	1917	4 hp	Triumph	H. O. Gurr
35	1920	2¾ hp	Douglas	C. E. Collier
36	1912	3½ hp	Triumph "O.H.I.V."	A. S. Doughty
37	1911	499 cc	Rudge-Brooklands	D. J. Dunford
38	1911	499 cc	Triumph	A. Beesley
39	1915	490 cc	Norton	W. Fruin
40	1920	490 cc	Norton	W. Fruin
41	1920	490 cc	Norton	W. Fruin
42	1921	490 cc	Norton	G. V. Ballard
43	1920	2¾ hp	Excelsior	S. G. Smout
44	1915	349 cc	Douglas	P. C. J. Lowe
45	1913	3½ hp	B.S.A.	J. Underhill
46	1920	4 hp	Triumph	F. Redman
47	1913	680 cc	Zenith-Gradua	G. T. Huxtable
48	1918	2¾ hp	Douglas	A. Smith
49	1923	2¾ hp	Douglas	J. Gleed
50	1920	750 cc	Rudge-Multi	J. Doe

RACE 11 — Event 1

6 Laps

Solo Motorcycles Standard unlimited to 1955

No.	RIDER	TOWN	cc	MACHINE	YEAR
27	Don Ellis	Aylesbury	500	Rudge	1937
31	Doug Jones	Walsall	650	Triumph	1952
34	Ken Ramsden	Frizinghall	650	Triumph	1952
44	Roy Shearwood	Westoning	500	B.S.A. Gold Star	1952
65	Chris Moorcroft	Ormskirk	498	B.S.A.	1955
68	John ruth	Chelmsford	500	Norton Dominator	1954
89	Colin Heath	Copthorne	596	Scott	1930
90	Duncan Hosie	Whitchurch	497	Norton	1954
91	David Whiteside	Dunstable	498	Scott	1929
93	Bruce Hosie	Bristol	650	Triumph	1953
97	Peter Hodgkinson	Hastings	500	B.S.A. Gold Star	1955
98	Harry Long	Godalming	499	B.S.A. Gold Star	1952
101	JEREMY BURTON	Bristol	649	Triumph	1952
123	Reg Bolton	Shepton Mallet	998	Vincent Rapide	1952
124	Jeffrey Savage	Midford	490	Norton	1936
138	Brian Sayles	Maltby	600	Norton	1955
143	Len Hunt	Colchester	498	Triumph Trophy	1951
147	Julian White	Watford	500	B.S.A. Gold Star	1953
156	Arthur Robinson	Ruddington	500	Triumph	1952
159	Paul Moorcroft	Ormskirk	650	B.S.A.	155
176	Philip Barton	Congleton	350	B.S.A.	1951
180	Keith Prime	Gedling	495	Rudge	1935
190	John Hurlstone	Aylesbury	649	Triumph	1955
192	Peter Dean	Congleton	349	Velocette	1939
223	Timothy Kingham	Chesham	499	Rudge Ulster	1938
225	Dave Storry	Newcastle	500	B.S.A.	1955
240	Alec Sanders	Coventry	498	Norton Inter	1938
241	Maurice Smyth	Reading	348	Velocette Viper	1955

Reserves in the following order:

44	Roy Shearwood	Westoning	500	B.S.A. Gold Star	1952
116	Laurence Langridge	Evesham	348	Velocette	1938
251	Simon Moorcroft	Ormskirk	500	B.S.A.	1952
233	Michael Robbins	Chelmsford	350	B.S.A. Gold Star	1954
16	Mick Noble	Hoghton	500	Triumph	1949
69	Ray Staveley	Doncaster	650	Triumph	1954
137	Ken Kynman	Hull	498	Triumph	1952

RESULTS

1st _____	2nd _____	3rd _____	4th _____	5th _____
6th _____	7th _____	8th _____	9th _____	10th _____
11th _____	12th _____	13th _____	14th _____	15th _____
16th _____	17th _____	18th _____	19th _____	20th _____

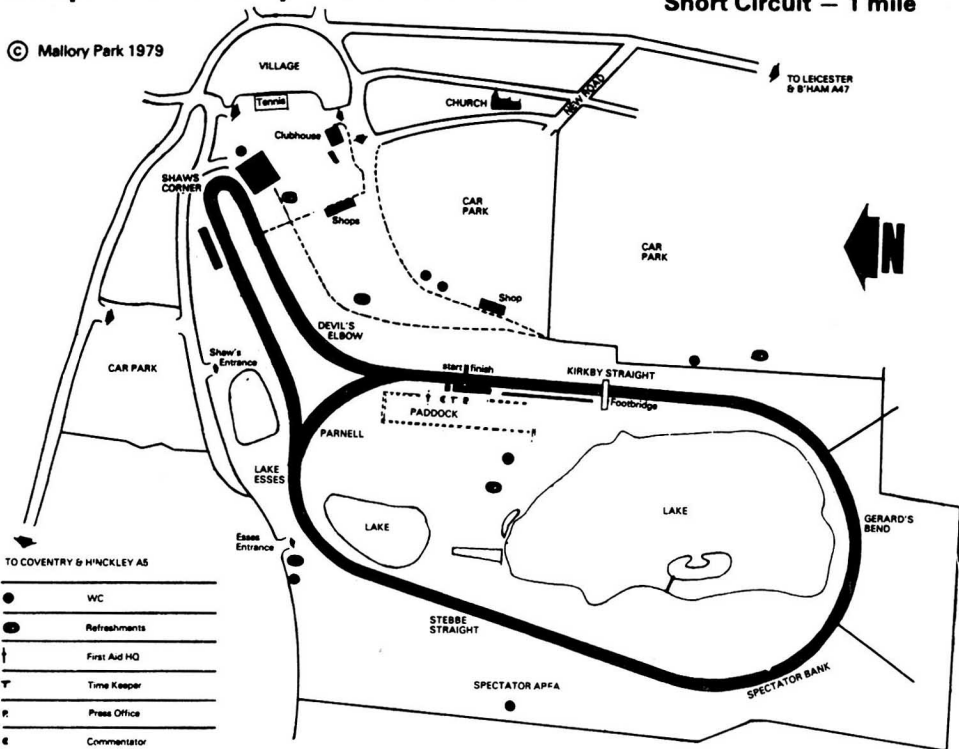
Winner's Time _____ Speed _____ mph

Fastest Lap: No. _____ Time _____ Speed _____ mph

Map of Mallory Park Race Circuit

Lap Distance — 1.35 miles
Short Circuit — 1 mile

© Mallory Park 1979



Time	Speed	Time	Speed	Time	Speed	Time	Speed	Time	Speed	Time	Speed	Time	Speed
ms	mph	ms	mph	ms	mph	ms	mph	ms	mph	ms	mph	ms	mph
0.517	94.00	0.566	85.87	1.015	79.02	1.064	73.19	1.113	68.16				
0.518	93.82	0.567	85.71	1.016	78.90	1.065	73.08	1.114	68.07				
0.519	93.64	0.568	85.56	1.017	78.77	1.066	72.97	1.115	67.97				
0.520	93.46	0.569	85.41	1.018	78.64	1.067	72.86	1.116	67.88				
0.521	93.28	0.570	85.26	1.019	78.51	1.068	72.75	1.117	67.78				
0.522	93.10	0.571	85.11	1.020	78.39	1.069	72.65	1.118	67.69				
0.523	92.93	0.572	84.97	1.021	78.26	1.070	72.54	1.119	67.59				
0.524	92.75	0.573	84.82	1.022	78.14	1.071	72.43	1.120	67.50				
0.525	92.57	0.574	84.67	1.023	78.01	1.072	72.32	1.121	67.41				
0.526	92.40	0.575	84.52	1.024	77.88	1.073	72.21	1.122	67.31				
0.527	92.22	0.576	84.38	1.025	77.76	1.074	72.11	1.123	67.22				
0.528	92.05	0.577	84.23	1.026	77.64	1.075	72.00	1.124	67.13				
0.529	91.87	0.578	84.08	1.027	77.51	1.076	71.89	1.125	67.03				
0.530	91.70	0.579	83.94	1.028	77.39	1.077	71.79	1.126	66.94				
0.531	91.53	0.580	83.79	1.029	77.27	1.078	71.68	1.127	66.85				
0.532	91.35	0.581	83.65	1.030	77.14	1.079	71.58	1.128	66.76				
0.533	91.18	0.582	83.51	1.031	77.02	1.080	71.47	1.129	66.67				
0.534	91.01	0.583	83.36	1.032	76.90	1.081	71.37	1.130	66.58				
0.535	90.84	0.584	83.22	1.033	76.78	1.082	71.26	1.131	66.48				
0.536	90.67	0.585	83.08	1.034	76.66	1.083	71.16	1.132	66.39				
0.537	90.50	0.586	82.94	1.035	76.54	1.084	71.05	1.133	66.30				
0.538	90.33	0.587	82.79	1.036	76.42	1.085	70.95	1.134	66.21				
0.539	90.17	0.588	82.65	1.037	76.30	1.086	70.85	1.135	66.12				
0.540	90.00	0.589	82.51	1.038	76.18	1.087	70.74	1.136	66.03				
0.541	89.83	0.590	82.37	1.039	76.06	1.088	70.64	1.137	65.94				
0.542	89.67	0.591	82.23	1.040	75.94	1.089	70.54	1.138	65.85				
0.543	89.50	0.592	82.09	1.041	75.82	1.090	70.43	1.139	65.76				
0.544	89.34	0.593	81.96	1.042	75.70	1.091	70.33	1.140	65.68				
0.545	89.17	0.594	81.82	1.043	75.59	1.092	70.23	1.141	65.59				
0.546	89.01	0.595	81.68	1.044	75.47	1.093	70.13	1.142	65.50				
0.547	88.85	0.596	81.54	1.045	75.35	1.094	70.03	1.143	65.41				
0.548	88.69	0.597	81.41	1.046	75.23	1.095	69.93	1.144	65.32				
0.549	88.52	0.598	81.27	1.047	75.12	1.096	69.83	1.145	65.23				
0.550	88.36	0.599	81.14	1.048	75.00	1.097	69.73	1.146	65.15				
0.551	88.20	1.000	81.00	1.049	74.88	1.098	69.63	1.147	65.06				
0.552	88.04	1.000	80.87	1.050	74.77	1.099	69.53	1.148	64.97				
0.553	87.88	1.000	80.73	1.051	74.65	1.100	69.43	1.149	64.89				
0.554	87.73	1.000	80.60	1.052	74.54	1.101	69.33	1.150	64.80				
0.555	87.57	1.000	80.46	1.053	74.43	1.102	69.23	1.151	64.71				
0.556	87.41	1.000	80.33	1.054	74.31	1.103	69.13	1.152	64.62				
0.557	87.25	1.000	80.20	1.055	74.20	1.104	69.03	1.153	64.54				
0.558	87.10	1.000	80.07	1.056	74.09	1.105	68.94	1.154	64.46				
0.559	86.94	1.000	79.93	1.057	73.97	1.106	68.84	1.155	64.37				
0.560	86.79	1.000	79.80	1.058	73.86	1.107	68.74	1.156	64.29				
0.561	86.63	1.010	79.67	1.059	73.75	1.108	68.64	1.157	64.20				
0.562	86.48	1.011	79.54	1.060	73.64	1.109	68.55	1.158	64.12				
0.563	86.32	1.012	79.41	1.061	73.52	1.110	68.45	1.159	64.03				
0.564	86.17	1.013	79.28	1.062	73.41	1.111	68.35						
0.565	86.02	1.014	79.15	1.063	73.30	1.112	68.26						