

Shepton Mallet Motor Club

(Affiliated to the A.C.U. Wessex Centre).

This Meeting is organised under Open to Centre Permit No. M446 subject to the General Competition Rules of the A.C.U., and the Supplementary Regulations of the Promoting Club.

Temporary Track Certificate No. 254.

Open to Centre

MENDIP CHAMPIONSHIP AND WESSEX CENTRE CLUB TEAM CHAMPIONSHIP SCRAMBLES

SUNDAY, AUGUST 26th, 1962

First Race 2.30 p.m.

AT

LYNCHCOMBE, WESTBURY-SUB-MENDIP

OFFICIALS OF THE MEETING:

A.C.U. Steward	.....	.....	.....	.....	.....	L. GRIFFITH, ESQ.
Club Stewards	.....	.....	.....	.....	Messrs. D. PROBERT, P. BARTER.	
Judge	.....	.....	.....	.....	.....	K. BLAMPYED, ESQ.
Starter	.....	.....	.....	.....	.....	C. ENGLAND, ESQ.
Machine Examiner	.....	.....	.....	.....	.....	D. TAYLOR, ESQ.
Paddock Marshal	.....	.....	.....	.....	.....	R. HOLMES, ESQ.
Chief Marshal	.....	.....	.....	.....	.....	T. POTTER, ESQ.
Announcer	.....	.....	.....	.....	.....	H. MEAD, ESQ.
Lap Scorers	.....	.....	.....	.....	Messrs. J. CATLEY, J. DAVIS.	
Track Marshals	.....	.....	.....	.....	Club Members and Members of Wessex Clubs.	
Treasurer of the Meeting	.....	.....	.....	.....	.....	J. G. WELLMAN, ESQ.
Clerk of Course and Secretary of the Meeting	.....	.....	.....	.....	.....	MR. V. O. KEELING, 8 Westfield, Shepton Mallet. 'Phone 2225.
Medical Officer	.....	.....	.....	.....	.....	DR. R. TAAFFE-FINN.

First Aid by St. John Ambulance Brigade, Wells Division.

Track: Approx. 1 Mile.

Spectators are strictly forbidden on the Course whilst racing is in progress.

WARNING! MOTOR RACING IS DANGEROUS.—You are present at this Meeting entirely at your own risk and admission is subject to the condition that all persons having any connection with the promotion and—or organisation and—or conduct of the meeting, including the owners of the land and drivers and owners of the vehicles and passengers in the vehicles are absolved from all liability in respect of personal injury (whether fatal or otherwise) to you or damage to your property howsoever caused.

COMPETITORS

No.	Rider.	Machine.	c.c.	Club.	Address.
1	C. M. Bletso	Greeves	250	Bath	Bath
2	R. Sansome	Greeves	250	S. Bristol	Frenchay
3	S. Wiggins	Greeves	246	W. Wilts	Brad.-on-Avon
4	G. Wiggins (E)	Greeves	246	Frome	Frome
5	K. Messenger (E)	Tribsa Cotton	500 250		Marlborough
6	D. Threadingham	Greeves	246	Bath	Bath
7	J. Wells	Greeves	250	Frome	Seend
8	A. Phelps	B.S.A.	249	Kingswood	Bristol
9	L. Sanders (E)	B.S.A.	500	S. Mallet	Bristol
11	M. Wyatt	Cotton	250	Bristol	Taunton
12	A. Isgrove	Matchless	350	Bath	Bath
13	D. W. Plaster	Greeves	250	N. Somerset	Bristol
14	R. Lewis	Greeves	246	Frome	Cosham
15	R. Wright	Greeves	250	Bath	Willsbridge
16	B. Hudson	Greeves	250	Bath	Pensford
17	H. Moger	Greeves	250	Bath	Bath
18	R. Taylor	D.O.T. R. Enfield	250 500		Brewham
19	J. New	Cotton	250	Bath	Bath
20	T. Martin	Greeves	250	Kingswood	Oldland Com.
21	G. Avery	B.S.A.	500	Kingswood	Kingswood
22	J. Matthews	Greeves	250	Kingswood	Bristol
23	J. Benneworth	Tribsa	500	Kingswood	Kingswood
24	D. Miller (E)	Matchless Cotton	500 250		Chapmanslade
25	D. Davidson (E)	Greeves	246	S. Mallet	Poole
26	B. Crew (E)	B.S.A.	500	S. Mallet	Wareham
27	J. Harris	Greeves	249	S. Bristol	Bristol
28	A. J. Davis	B.S.A.	348	S. Mallet	Birdlip
29	I. Maisey	Greeves	250	Frome	Swindon
30	C. White	Greeves	250	Frome	Lymington
31	M. Maisey	Greeves	250	Frome	Swindon
32	R. Bradley (E)	B.S.A.	500	S. Mallet	Wes.-on-Trym
33	B. Maisey	Greeves	250	Frome	Swindon
34	V. McVeigh	B.S.A.	350	N. Somerset	Avonmouth
35	B. E. Maggs	Greeves	250	N. Somerset	Compton Dando
36	G. Coombs	Greeves	250	S. Mallet	Stur. Newton
37	H. Hunt	Tribsa	500	Mendip Vale	Lympsham
38	H. G. White		250		
39	J. Cashmella	B.S.A.	500	Bristol	Bristol
40	A. J. Bailey	Greeves	250	Bath	Bath
41	C. Redman	Greeves	246	Enfield	Botley
42	C. Henwood	Cotton	246	S. Mallet	Stalbridge
43	J. Foot (E)	Greeves	246	S. Mallet	Stur. Newton
44	M. J. Clark	Tribsa	500	Frome	Romsey
45	T. Fox	Greeves	250	Mendip Vale	Blagdon
47	C. Clothier	Velo	350		
48	E. Owens	D.M.W.	250	Kingswood	Kingswood
49	W. Sheppard	Greeves	250	Enfield	Trowbridge
50	T. Cox (E)	B.S.A.	350	Mendip Vale	Brislington
51	G. Fricker	Cotton	246	Bristol	Bristol
52	M. Mumford	Triumph	500	Tor	Somerton
53	N. Cooper	Greeves	250	Tor	Zeals
54	T. Bright	Greeves	250	Bath	Bath
55	A. Wiseman	Greeves	250	Tor	Doultling
56	R. Webb	Greeves	250	Tor	Newbury
57	J. Rees	Triumph	498	S. Mallet	Ringwood
58	D. Henwood	B.S.A.	500	Tor	Brislington
59	C. Wiltshire	Greeves	250	Bristol	Camberley
60	R. Avery	Greeves	246	Enfield	Romsey
61	D. Paget	Greeves	250	W. Wilts	Weston-s-Marc
62	G. Thomas	Greeves	250	Mendip Vale	Cricklade
		D.O.T.	246	Mendip Vale	Nailsea
			246	Mendip Vale	Nailsea

63	G. Haswell	Greeves	246	Tor	Bitterne
64	K. I. McLachlan	Greeves	250	S. Mallet	Weston-s-Marc
65	J. W. Line	Greeves	240	S. Mallet	Ash
66	G. Backwell	B.S.A.	250	S. Bristol	Bristol
67	M. Davies (E)	Greeves	247	S. Mallet	Birdlip
68	J. Snelling	Greeves	246	Tor	Congresbury
69	M. G. Peters	Greeves	250	Frome	Eastleigh
71	T. Sharp (E)	Triumph	498		
		Greeves	248	Tor	Swanage
72	B. G. Trott	B.S.A.	499	Enfield	Thurloxton
73	F. Underwood (E)	B.S.A.	499	Frome	Faringdon
74	R. Kynaston	B.S.A.	500	Kingswood	Hanham
75	D. Brown (E)	Cotton	250	Frome	Gloucester
76	A. J. Tizzard	Mayfield	250	Bath	Bitton
77	M. Hickin	Greeves	250	S. Mallet	Warminster
78	L. Bell	Cotton	250	Bristol	Brislington
79	G. Ford	B.S.A./JAP	500	Bristol	Bristol
80	E. Worthington	Greeves	250	Frome	Thatcham
81	D. A. Walters	B.S.A.	350	Mendip Vale	Hanham
82	J. Daniels	D.O.T.	246	Minety Vale	Wroughton
83	T. Griffin	Greeves	225	Bristol	Bristol
84	B. Jones	D.O.T.	246	S. Mallet	Reading
85	R. W. Synnock	Cotton	250	Bristol	Bristol
86	A. D. Day	Cotton	246	S. Mallet	Brookthorpe
87	J. P. Day	Greeves	246	S. Mallet	Brookthorpe
88	T. Nichols	B.S.A.	500	Bristol Aces	Bristol
89	J. O. Maggs	F/Barnett	225	S. Bristol	Bristol
90	J. Timms (E)	Cotton	246	Minety Vale	Tuffley
91	C. D. Trollope	Tribsa	498	Frome	Warminster
92	R. Curtis	D.O.T.	250	Frome	Warminster
93	P. L. Roek (E)	B.S.A.	500	Bristol	Stroud
94	K. Leon (E)	Tribsa	498		
		Greeves	250	N. Wilts	Swindon
98	S. Sinclair	B.S.A.	350	B.S.S.A.	Bristol
99	R. Broomfield	Greeves	250	S. Bristol	Bristol
100	B. Curtis (E)	B.S.A.	500	Frome	Warminster
111	A. Young	Tribsa	500	N. Somerset	Long Ashton
114	M. Windo	B.S.A.	500	Minety Vale	Chisledon
117	D. Lane	Greeves	250	Frome	Shaftesbury
119	G. Lee	Greeves	250	S. Mallet	Bishops W'tham
120	M. Barnard	Triumph	498	Frome	Wantage
121	M. J. Jones	Greeves	250	Frome	Corsley
122	D. M. Gladwin	Greeves	250	Frome	Corsley
123	R. Hancock	Bantam	199	S. Mallet	Stur. Newton
128	R. Cox (E)	B.S.A.	500	Tor	Wantage
140	M. Heath (E)	Greeves	246	W. Wilts	Chippenham
144	J. R. Hughes	B.S.A.	650	N. Somerset	Bristol
147	J. Doble	D.O.T.	250	S. Mallet	Cullompton
152	D. Witts	D.M.W.	250	Wilts Bdr.	Castle Combe
155	N. Allen (E)	B.S.A.	500	Frome	Aldershot
171	E. C. Trott (E)	B.S.A.	500		
		Greeves	250	Tor	Thurloxton
174	T. Rowsell	Greeves	250	S. Mallet	Bridgwater
181	D. S. Richards (E)	D.O.T.	246	Frome	Chippenham

MOTORISTS — MOTOR-CYCLISTS

JOIN THE SHEPTON MALLET MOTOR CLUB

Hon. Secretary: V. O. KEELING, 8, Westfield, Shepton Mallet (Phone 2225)

SEND FOR REGULATIONS OF

THE EVERYMAN'S RALLY

on SUNDAY, 23rd SEPTEMBER

A Social Competitive Event for the family driver or sportsman.

EVENT 1. JUNIOR DRIVERS' SCRAMBLE (Solo up to 1,000 c.e.)

First 10 of each heat to ride in Final.

HEAT 1 (2 Laps)	HEAT 2 (2 Laps)	HEAT 3 (2 Laps)
1 C. M. Bletso	39 J. Cashnella	76 A. J. Tizzard
2 R. Sansom	40 A. J. Bailey	77 M. Hicken
3 S. Wiggins	41 C. Redman	78 L. Bell
6 D. L. Threadingham	43 C. Henwood	79 G. Ford
7 J. Wells	44 M. J. Clark	80 E. R. Worthington
8 A. Phelps	45 T. Fox	81 D. A. Walters
11 M. Wyatt	47 C. Clothier	82 J. Daniels
12 A. Isgrove	48 E. Owens	83 T. Griffin
13 D. W. Plaster	49 W. Sheppard	84 B. Jones
14 R. Lewis	51 G. Fricker	85 R. W. Synnock
15 R. Wright	52 M. Mumford	86 A. D. Day
16 B. Hudson	53 N. Cooper	87 J. A. Day
17 H. Moger	54 T. Bright	88 T. Nicholls
18 R. Taylor	55 A. Wiseman	89 J. O. Maggs
19 J. New	56 R. Webb	91 C. D. Trollope
20 T. Martin	57 J. Rees	92 R. Curtis
21 G. Avery	58 D. Henwood	98 S. Sinclair
22 J. Matthews	59 C. Wiltshire	99 R. Broomfield
23 J. Bennenworth	60 R. Avery	111 A. Young
27 J. Harris	61 D. Paget	114 M. Windo
28 A. J. Davis	62 G. Thomas	117 D. Main
29 I. Maisey	63 G. Haswell	119 G. Lee
30 C. White	64 K. McLachlan	120 M. Barnard
31 M. Maisey	65 J. W. Line	121 M. J. Jones
33 B. Maisey	66 G. Backwell	122 D. M. Gladwin
34 V. McVeigh	68 J. Snelling	123 R. Hancock
35 B. E. Maggs	69 M. G. Peters	144 J. R. Hughes
36 G. Coombs	72 B. G. Trott	147 J. Doble
37 H. Hunt	74 K. Kynaston	152 D. Witts
38 H. G. White		174 T. Rowsell

1. 28 2. 36 3. 6 4. 30 5. 3 6. 11 7. 2 8. 17 9. 29 10. 38
 1. 48 2. 39 3. 55 4. 69 5. 59 6. 117 7. 120 8. 144 9. 77
 6. 11 7. 2 8. 17 9. 29 10. 38 6. 64 7. 52 8. 9. 10 6. 152 7. 121 8. 57 9. 86 10.

FINAL EVENT 1. (5 LAPS).

1. 80 2. 3 3. 11 4. 64 5. 30 6. 52 7. 38 8. 59

EVENT 2 and EVENT 4. WESSEX CENTRE CLUB TEAM CHAMPIONSHIP.

1st ROUND. 10 LAPS.

BATH AND WEST (Green)

	1st RACE	POINTS	2nd RACE
6 D. L. Threadingham
15 R. Wright
39 J. Cashnella
52 M. Mumford
Res. 12 A. Isgrove

Total of 3 Best Scores

Team Score

BRISTOL (Green and White)

38 H. G. Taylor	.....		.....
86 A. D. Day	.....		.....
88 T. Nicholls	.....		.....
11 M. Wyatt	.....		.....
Res. 85 R. W. Synnock	.....		.....

Total of 3 Best Scores

Team Score

FROME

(Green and Black)

	1st RACE	POINTS	2nd RACE
5 K. Messenger
73 F. Underwood
100 B. Curtis
185 N. Allen
Res. 77 M. Hicken

Total of 3 Best Scores

Team Score

KINGSWOOD (Red)

21 G. Avery	.....		.....
45 T. Fox	.....		.....
22 J. Matthews	.....		.....
23 J. Bennenworth	.....		.....
Res. 20 T. Martin	.....		.....

Total of 3 Best Scores

Team Score

MENDIP VALE

(Red and Yellow)

48 E. Owens	.....		.....
81 D. A. Walters	.....		.....
59 C. Wiltshire	.....		.....
44 M. Clark	.....		.....
Res. 37 H. Hunt	.....		.....

Total of 3 Best Scores

Team Score

MINETY VALE

(Red and Light Blue)

28 A. J. Davis	.....		.....
67 M. Davis	.....		.....
114 M. Windo	.....		.....
90 J. Timms	.....		.....
Res.	.....		.....

Total of 3 Best Scores

Team Score

NORTH SOMERSET

(Yellow and Blue)

13 D. W. Plaster	.....		.....
34 V. McVeigh	.....		.....
35 B. Maggs	.....		.....
111 A. C. Young	.....		.....
Res. 144 J. R. Hughes	.....		.....

Total of 3 Best Scores

Team Score

SHEPTON MALLETT (White)

9 L. Sanders	.....		.....
32 R. Bradley	.....		.....
26 B. Crew	.....		.....
42 J. Foot	.....		.....
Res. 25 D. Davidson	.....		.....

Total of 3 Best Scores

Team Score

TOR (Black and White)		POINTS
1st RACE	2nd RACE	
71 T. Sharp
128 R. Cox
50 T. W. Cox
171 E. C. Trott
Res. 55 A. Wiseman

Total of 3 Best Scores _____

Team Score _____

WEST WILTS (Blue)		POINTS
1st RACE	2nd RACE	
140 M. Heath
181 D. Richards
24 D. Miller
94 K. Leon
Res. 3 S. Wiggins

Total of 3 Best Scores _____

Team Score _____

1st Team 2nd Team

3rd Team

EVENT 3. LIGHTWEIGHT CHAMPIONSHIP (Solo up to 250 c.e.)

Winner to hold the NATIONAL BENZOLE TROPHY for 1 year.
Best aggregate score in this Class for 1962 to hold NU-TEXA TROPHY for 1 year.
First 12 of each heat to ride in Final.

HEAT 1 (2 LAPS)	
1 C. M. Bletso	27 J. Harris
2 R. Sansome	29 I. Maisey
3 S. Wiggins	30 C. White
4 G. Wiggins	31 M. Maisey
5 K. Messenger	33 B. Maisey
6 D. Threadingham	35 B. E. Maggs
7 J. Wells	36 G. Coombs
8 A. Phelps	38 H. G. White
11 M. Wyatt	39 J. Cashnella
13 D. W. Plaster	40 A. J. Bailey
14 R. Lewis	41 C. Redman
15 R. Wright	42 J. Foot
16 B. Hudson	44 M. J. Clark
17 H. Moger	45 T. Fox
18 R. Taylor	47 C. Clothier
19 J. New	49 W. Sheppard
20 T. Martin	51 G. Fricker
22 J. Matthews	52 M. Mumford
24 D. Miller	53 J. Cooper
25 D. Davidson	174 T. Rowsell

1. 5 2. 4 3. 30 4. 39 5. 3 6. 16 7. 6 8. 2 9. 49 10. 38 11. 12.

HEAT 2 (2 LAPS)		
56 R. Webb	71 T. Sharp	92 R. Curtis
57 J. Rees	75 D. Brown	94 K. Leon
58 D. Henwood	76 A. J. Tizzard	99 R. Broomfield
59 C. Wiltshire	77 M. Hicken	117 D. Lane
60 R. Avery	78 L. Bell	119 G. Lee
61 D. Paget	80 E. Worthington	121 M. J. Jones
62 G. Thomas	82 J. Daniels	122 D. M. Gladwin
63 G. Haswell	83 T. Griffin	123 R. Hancock
64 K. I. McLachlin	84 B. Jones	140 M. Heath
65 J. W. Line	85 R. W. Synnock	147 J. Doble
66 G. Backwell	86 A. D. Day	152 D. Witts
67 M. Davies	87 J. A. Day	171 E. C. Trott
68 J. Snelling	89 J. O. Maggs	181 D. S. Richards
69 M. G. Peters	90 J. Timms	

1. 90 2. 67 3. 71 4. 74 5. 80 6. 147 7. 132 8. 64 9. 81 10. 77 11. 12.

FINAL EVENT 3. (5 LAPS)

1. 71 2. 67 3. 5 4. 171 5. 4 6. 90 7. 30 8. 94

NU-TEXA TROPHY M. J. DAVIES

EVENT 4. CLUB TEAM CHAMPIONSHIP

2ND ROUND. See Event 2.

EVENT 5. MENDIP CHAMPIONSHIP (Solo up to 1,000 c.e.)

Winner to hold the SOMERSET CHALLENGE TROPHY (Value £160) for one year.

First 10 of each heat to ride in Final.

HEAT 1 (2 LAPS)	HEAT 2 (2 LAPS)	HEAT 3 (2 LAPS)
1 C. M. Bletso	7 J. Wells	73 F. Underwood
2 R. Sansome	8 A. Phelps	74 R. Kynaston
3 S. Wiggins	11 M. Wyatt	75 D. Brown
4 G. Wiggins	12 A. Isgrove	76 A. J. Tizzard
5 K. Messenger	13 D. W. Plaster	83 T. Griffin
6 D. Threadingham	20 T. Martin	84 B. Jones
9 L. F. Sanders	21 G. Avery	85 R. W. Synnock
14 R. Lewis	22 J. Matthews	86 A. D. Day
15 R. Wright	23 J. Bennneworth	87 J. A. Day
16 B. Hudson	24 D. Miller	88 T. Nicholls
17 H. Moger	25 D. Davidson	89 J. Maggs
18 R. Taylor	33 B. Maisey	90 J. Timms
19 J. New	34 N. McVeigh	91 C. Trollope
26 B. Crew	35 B. E. Maggs	93 P. L. Rock
27 J. Harris	36 G. Coombs	94 K. Leon
28 A. J. Davis	43 C. Henwood	98 S. Sinclair
29 I. Maisey	44 M. J. Clark	99 R. Broomfield
30 C. White	45 T. Fox	100 B. Curtis
31 M. Maisey	47 C. Clothier	111 A. Young
32 R. Bradley	48 E. Owens	114 M. Windo
37 H. Hunt	49 W. Sheppard	117 D. Lane
38 H. G. White	50 T. Cox	119 G. Lee
39 J. Cashnella	56 R. Webb	120 M. Barnard
40 A. J. Bailey	57 J. Rees	121 M. J. Jones
41 C. Redman	58 D. Henwood	122 D. M. Gladwin
42 J. Foot	59 C. Wiltshire	123 R. Hancock
43 G. Fricker	60 R. Avery	128 R. Cox
44 M. Mumford	61 D. Paget	140 M. Heath
45 N. Cooper	68 J. Snelling	144 J. Hughes
46 T. Bright	69 M. G. Peters	147 J. Doble
47 A. Wiseman	71 T. Sharp	152 D. Witts
48 G. Thomas	72 B. G. Trott	155 N. Allen
49 G. Haswell	77 M. Hicken	171 E. C. Trott
50 K. McLachlan	79 G. Ford	174 T. Rowsell
51 J. W. Line	80 E. Worthington	181 D. S. Richards
52 G. Backwell	81 D. Walters	
53 M. Davies	82 J. Daniel	

1. 71 2. 3. 4. 171 1. 2. 3. 4. 1. 2. 3. 4.
 5. 100.9 6. 7. 8. 80 5. 6. 7. 8. 5. 6. 7. 8.
 9. 10. 9. 10. 9. 10.

FINAL EVENT 5. (7 LAPS).

1. 71 2. 90.4 3. 4 4. 171 5. 100.9 6. 7. 128 8. 80

EVENT 6. UNLIMITED OPEN (Solo up to 1,000 c.c.)

First 10 of each heat to ride in Final.

HEAT 1
(2 LAPS)

- 1 C. Bletso
- 2 R. Sansome
- 7 J. Wills
- 15 R. Wright
- 16 B. Hudson
- 17 H. Moger
- 18 R. Taylor
- 19 J. New
- 20 T. Martin
- 21 G. Avery
- 22 J. Matthews
- 33 B. Maisey
- 34 V. McVeigh
- 35 B. Maggs
- 36 G. Coombs
- 37 H. Hunt
- 38 H. White
- 39 J. Cashnella
- 40 A. J. Bailey
- 42 J. Foot
- 43 C. Henwood
- 50 T. Cox
- 51 G. Fricker
- 52 M. Mumford
- 53 N. Cooper
- 54 T. Bright
- 55 A. Wiseman
- 56 R. Webb
- 57 J. Rees
- 58 D. Henwood
- 62 G. Thomas
- 63 G. Haswell
- 67 M. Davies
- 68 J. Snelling
- 69 M. G. Peters
- 75 D. Brown
- 76 A. J. Tizzard

HEAT 2
(2 LAPS)

- 77 M. Hicken
- 78 L. Bell
- 82 J. Daniels
- 85 R. W. Synnock
- 86 A. D. Day
- 87 J. A. Day
- 88 T. Nicholls
- 89 J. O. Maggs
- 90 J. Timms
- 91 C. Trollope
- 92 R. Curtis
- 93 P. L. Rock
- 94 K. Leon
- 100 B. Curtis
- 111 A. Young
- 114 M. Windo
- 117 D. Lane
- 119 G. Lee
- 120 M. Barnard
- 121 M. J. Jones
- 122 D. M. Gladwin
- 123 R. Hancock
- 128 R. Cox
- 140 M. Heath
- 144 J. Hughes
- 80 E. Worthington
- 81 D. Walters
- 83 T. Griffin
- 84 B. Jones
- 98 S. Sinclair
- 99 R. Broomfield
- 147 J. Doble
- 152 D. Witts
- 155 N. Allen
- 171 E. C. Trott
- 174 T. Rowsell
- 181 D. S. Richards

HEAT 3
(2 LAPS)

- 3 S. Wiggins
- 4 G. Wiggins
- 5 K. Messenger
- 6 D. Threadingham
- 8 A. Phelps
- 9 L. Sanders
- 11 M. Wyatt
- 12 A. Isgrove
- 13 D. W. Plaster
- 14 R. Lewis
- 23 J. Benneworth
- 24 D. Miller
- 25 D. Davidson
- 26 B. Crew
- 27 J. Harris
- 28 A. J. Davis
- 29 I. Maisey
- 30 C. White
- 31 M. Maisey
- 32 R. Bradley
- 41 C. Redman
- 44 M. Clark
- 45 T. Fox
- 47 C. Clothier
- 48 E. Owens
- 49 W. Sheppard
- 59 C. Wiltshire
- 60 R. Avery
- 61 D. Paget
- 64 K. McLachlan
- 65 J. Line
- 66 G. Backwell
- 71 T. Shaip
- 72 B. G. Trott
- 73 F. Underwood
- 74 R. Kynaston
- 79 G. Ford

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

FINAL EVENT 6. (6 LAPS).

1. 71 2. 90 3. 4 4. 6 5. 100 6. 7. 128 8. 171