MOTORS



Here are two of the finest Jaguars ever built: the magnificent Series III sedan and the awesome V-12 powered S-type GT.

Both share the inimitable Jaguar qualities of graceful design, quick response and agile hand-ling. Both are equipped

1000

with precise power rack

and pinion steering, racebred four-wheel independent suspension and decisive four wheel power disc brakes.

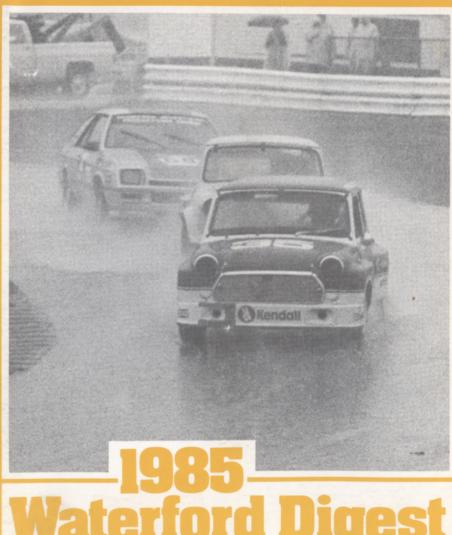
Inside, Jaguars provide a level of luxury and quiet seldom, if ever, equalled in a high performance motor-

car. Test drive them today. ENJOY TOMORROW BUCKLE UP TODAY



15 Mile (Maple) between Coolidge and Crooks





FALL CLASSICS

SEPTEMBER \$2.00

TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA

PACE CAR FURNISHED BY

PAGE TOYOTA

P

81/2 & TELEGRAPH SOUTHFIELD, MICH.

352-8580

MICHIGAN'S #1 TOYOTA DEALER
IN SALES, SERVICE AND BODY REPAIR



WINNER OF THE NATIONAL SERVICE AND CUSTOMER RELATIONS AWARD FOR 7 YEARS

FINE SELECTION OF USED IMPORT & DOMESTIC ECONOMY CARS

MOTOR TREND MAGAZINE



TOYOTA MR2

THE PRIX-RACE FAVORITE— THE TOYOTA CELICA SUPRA.

TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA

1985 Waterford Digest



AL BIZER

Contents



- 2. The Inside Line
- 3. Officials
- 11. Race Results
- 14. Feature Story
- 25. Looking Back With Bizer
- 28. Average Lap Speed Chart
- 28. Class Records
- 29. Racing Classes
- 30. Flags
- 32. Course Map
- 33. Racing Schedule

Staff

Editor: DAN HILL

Feature Editor: ERNEST JOHANSMEIER
Advertising Director: JERRY MORLEWSKI

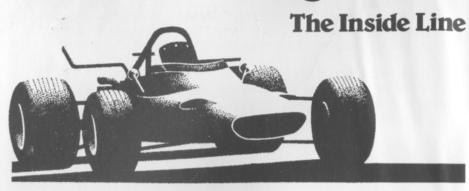
Design and Production: TAURUS ADVERTISING

Photographers: AL BIZER

DON CASTLE

KARL RACENIS

Cover Photo by AL BIZER



Welcome to the final race weekend of the 1985 season. The points standing for the Top Ten drivers are:

	Ray Krom	100	pts.
2.	Jerry Morlewski	97	pts.
3.	Pat Nowak	97	pts.
4.	Doug Goad	93	pts.
	Tom Kozak	89	pts.
	Lew Cooper		pts.
7.	Sam Hamilton	85	pts.
8.	Jac Brown	85	pts.
	Tom Goad	82	pts.
10.	Bob Schneider	82	pts.

You can be sure everyone will be going for broke in the scramble for those final points.

A special welcome to everyone from Mac Tool/Ford Motorsport, this weekends sponsor. And also to the members of the British car clubs who are here for their annual get together.

As of this writing, next seasons schedule looks like this: Race weekends, May 3-4, May 24-25, June 28-29, July 26-27, August 30-31, and September 27-28. In addition the Meadowbrook Historic Races are set for August 2-3. We also plan on having two drivers schools, April 26-27 and August 16-17.

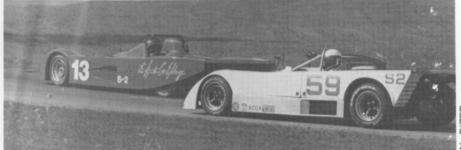
If you are interested in becoming a member, going through drivers school, or becoming a worker, you are welcome to attend our monthly meeting. The meeting is held in the club house on the first Wednesday of the month. That is the log cabin you pass on your way into the track.

=1985 Waterford Digest

In January we will have our annual display at Autorama. Be sure to stop by and say hello. We'll have discount cards with the new schedule, posters and back issues of the Digest to give away.

We would like to thank everyone for the support this season and we hope to see each and everyone of you again next season.

Mike White



Officials

Waterford Hills Road Racing Club

President Don Burry Chief Steward John Morris Assistants Ed Atkinson

Barb Kitch

Stewards of the Meet Dan MacDonald

Peter Quenet

Mike White Joe Prato

Director of Racing Jerry Morlewski Race Coordinator Dave Hinman

Chief of Timing and Scoring Peggy Krom Chief of Flags and Communications Dan DiRienzo Jr.

Assistant Chief of Flags and Communications Willy Perez

Chief Starter Hal Goff Chief Tech Inspector Elmer Dickinson

Chief Paddock Marshal R. A. Albo, Sr.

Chief Grid Marshal Lisa Kitch Chief Course Marshal Dave Sanders Chief Race Medical Blackie Meyers

Chief Registrar Carol Humphreys

Licensing Chairman Jerry Shiloff Membership Chairman Lee White

Trophy Chairman Cynthia Kempton

INTRODUCING THE ONLY SPORTS SEDAN MORALLY ENTITLED TO BORROW THESE IMPOVATIONS FROM BMW.



© 1982 BMW of North America, Inc. The BMW trademark and logo are registered trademarks of Bayerische Motoren Werke, A.G.

Erhard B.M.W. Inc.

24130 Telegraph Rd. at 91/2 Mile, Southfield, 352-6031



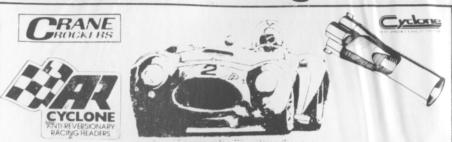


parts and service for serious racing

PANASPORT LIGHT ALLOY RACE WHEELS KONI RACING SHOCKS LOLA CARS HEWLAND GEARBOX PARTS FERODO BRAKE PADS

ROYAL OAK, MICHIGAN 48068

313-885-4177



Redford Speed

532-2050 or 532-6223 10-8 MON-FRI 10-6 SAT

Of Special Interest:
SIDEMOUNT HEADERS
ROLL BARS
KONI SHOCKS
SWAY BARS
DRIVING LIGHTS
COMP. SEAT BELTS
AND HARM SSES
RACING CAMS
LAKEWOOD
HOLLEY CARBS
TRANS AMOIL PANS

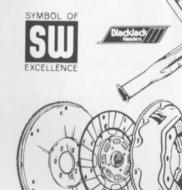
RACING OIL

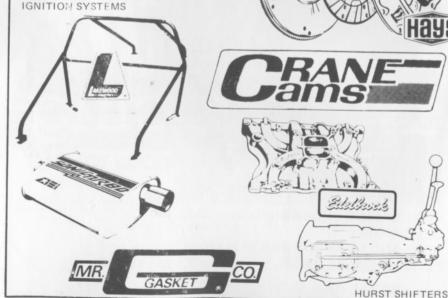
HURST

HOOKER HEADERS

MALLORY & ACCEL







1985 Waterford Digest



Manufacturers of Quality Automotive Performance Lighting Products And Electrical Components An ACTIVITY of Value St. Clair Shores, MI 48082

New, Used reproduction Parts and Accessories

Custom Paint and Body Repair



HiTech Automotive

design and fabrication

4712 Fernlee 1st Block East of Coolidge, S. of 14 Royal Oak, Michigan 48073

(313) 862-8500

(313) 294-1700

DOUG FEHAN

BOB FEHAN

313/549-5410



Security Associates, Inc.

COMMERCIAL, INDUSTRIAL, RESIDENTIAL SECURITY

JOHN G. NOLAN State License #BA0088 16245 MEYERS DETROIT: MICHIGAN 48235



1985 Waterford Digest





Quartz Euro Code Lighting by MARCHALL, HELLA

Exhaust Systems by ANSA

Suspension by KYB, SUSPENSION TECHNIQUES, ADDCO

Racing Equipment by BELL, YANKEE

Rollbars, Air Dams, Sports Car Apparel



VAST SELECTION OF IMPORT AUTO ADORNMENTS WORLD'S FINEST MANUFACTURERS FOR THE DISCRIMINATING DRIVER



SUNDAY, AUGUST 25 RACE RESULTS CLASS RACES

CLASS	DRIVER NAME	CITY	CAR	BEST
SSGT SSX RCUP ITB SSB	Ted Wollesen Thomas Goad Ron Miller Chuck Little Ray Krom Burck Grosse	Clarkston Birmingham Birmingham Plymouth Bloomfield HIs	Mini Cooper Trans AM Honda CRX Encore Scirocco Citation X11	1:21.53 1:23.11 1:27.42 1:31.36 1:32.30 1:32.10
FV (1st) FV (2nd) FV (3rd)	Kerry Bowman James Bowman T.J. Shaver	Livonia Redford Livonia	Caracal C Lynx C Lynx TJ3	1:17.86 1:17.32 1:17.86
S2 EP GP SREN HP	Robert Schneider Skip Froh Todd Claucherty Steve Ives Sam Hamilton	Detroit SCS Troy Durand Ann Arbor	Lola 594 Porsche Sprite SP Renault Sprite	1:11.72 1:17.84 1:22.24 1:23.37 1:25.57
FF FFR F4	Lewis Cooper Jac Brown Dennis Whitehead	GPW Ortonville Windsor, Ont	Swift DB1 Lola Vixon	1:12.26 1:19.78 1:20.84
GT1 (1st) GT1 (2nd) GT3 (1st) GT3 (2nd)	Bill Wink Doug Buist Doug Goad Tim Pott	Mattawan Farmington HIs Ann Arbor	Camaro Corvette Opel Manta Porsche 914	1:16.36 1:18.48 1:20.62 1:20.73
	SSGT SSX RCUP ITB SSB FV (1st) FV (2nd) FV (3rd) S2 EP GP SREN HP FF FFR F4 GT1 (1st) GT1 (2nd) GT3 (1st)	GT5 SSGT SSGT Thomas Goad SSX Ron Miller RCUP Chuck Little ITB Ray Krom SSB Burck Grosse FV (1st) Kerry Bowman FV (2nd) James Bowman FV (3rd) T.J. Shaver S2 Robert Schneider EP Skip Froh Todd Claucherty SREN Steve Ives HP Sam Hamilton FF Lewis Cooper FFR Jac Brown F4 Dennis Whitehead GT1 (1st) GT3 (1st) Doug Goad	GT5 Ted Wollesen SSGT Thomas Goad SSX Ron Miller RCUP Chuck Little ITB Ray Krom SSB Burck Grosse FV (1st) FV (2nd) FV (2nd) FV (3rd) FV (3	GT5 Ted Wollesen SSGT Thomas Goad SSX Ron Miller Chuck Little ITB Ray Krom SSB Burck Grosse Bloomfield HIs FV (1st) FV (2nd) FV (3rd) FV (3rd) FV Ty SREN Steve Ives FF Lewis Cooper FF Lewis Cooper FF FF Lewis Cooper FF FF Lewis Cooper FF FF Lewis Cooper FF Lewis Cooper FF Lewis Cooper FF FF Jac Brown Ortonville Windsor, Ont Vixon Camaro Corvette GT3 (1st) Doug Goad GT3 (1st) GTA

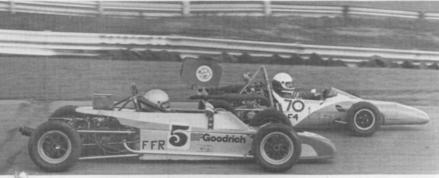
1985 Waterford Digest



FEATURE RACES

RACE 1					
1st 2nd 3rd 4th 5th	FV FV FV FV	Dennis Hamilton James Bowman Scott Kiefer Greg Assenmacher Stu Delaney	Dearborn Hts Redford Howell Dearborn Hts	ST1 Lynx Caracal Caracal Caldwell	1:18.53 1:18.33 1:18.14 1:18.81 1:19.11
RACE 2					
1st 2nd 3rd 4th 5th	GT5 GT5 SSGT SSGT SREN	Ted Wollesen Dan Hill Thomas Goad Bill Bailey Steve Ives	Clarkston Utica Birmingham Bloomfield Hls Durand	Mini Cooper Mini Cooper Trans AM Firebird SP Renault	1:20.58 1:21.76 1:23.84 1:23.94 1:24.22
RACE 3					-
1st 2nd 3rd 4th 5th	FF FF FF FF	Don Fitz James Termote David Tyndall Bill Shamick Richard Young	Redford Manitou Beach Berkley Brighton Troy	Crossle 32F Royale RP36 Citation Zink	1:11.82 1:12.49 1:13.09 1:13.40 1:15.78
RACE 4					
1st 2nd 3rd 4th 5th	S-2000 GT-1 GT-X GT-3 GT-3	Bob Schneider Dave Buist Pete Morgan Doug Goad Tim Pott	Detroit Royal Oak Pontiac Farmington HIs Ann Arbor	Lola 598 Corvette Corvette Opel Manta 914 Porsche	1:13.02 1:18.95 1:18.66 1:19.63 1:20.20







1985 Waterford Digest

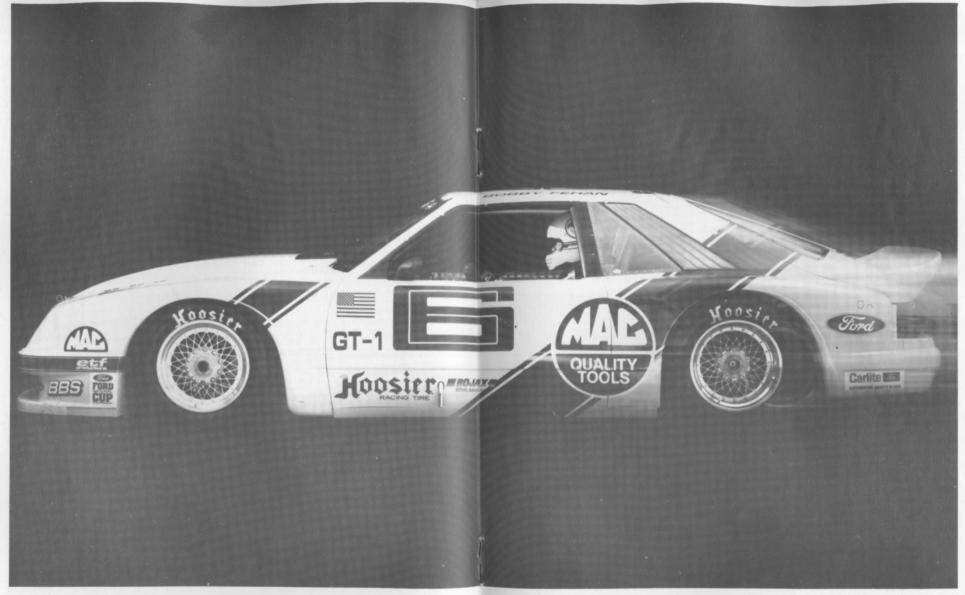


DON CASTLE



I BIZER

AL BIZER



MUSTANG GT
AND MAC QUALITY TOOLS...
THE PERFORMANCE TEAM

SEE THE MAC TOOL
GT-1 MUSTANG ON
SEPTEMBER 28-29 1985
AT THE
WATERFORD HILLS
MAC TOOL WEEKEND











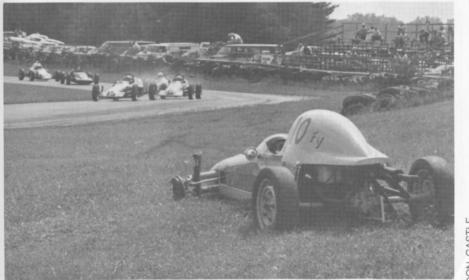
1985 Waterford Digest



KARL RACEN



DON CASTLE



DON CASTLE

Comp T/A®

BF GOODRICH

HIGH TECH

WE'VE GOT THE TIRES TO MAKE YOUR CARS AND TRUCKS PERFORM.





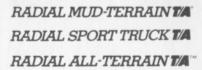
The Ultimate High-Performance Street Radial.

RADIAL T/A 60H

Optimum Performance...
Distinctive Style.



Solid Performer... Classic Good Looks.



Designed For The Highway... Tough Enough For Off-Road.

TO MAKE YOUR CAR PERFORM, TALK TO A PERFORMANCE SPECIALIST.



BFGoodrich TIRE CENTER



405 S. Grand Ave. Lansing, MI 48933 (517) 482-0621

OURS: 7:00 AM - 5:30 PM WEEKDAYS







1985 Waterford Digest

Crankshaft Craftsmen Inc.



CRANKSHAFT GRINDING CAMSHAFT GRINDING CRANKSHAFT WELDING POLISHING-STRAIGHTENING HIGH PERFORMANCE WORK BEARINGS AVAILABLE

QUALITY BEFORE QUANTITY

RUSS TAYLOR - PRESIDENT

(366-0140)

2819 JEROME EAST OF 1-75 • DETROIT

THINK WINK

CARS & TRUCKS



Satisfying Car Buyers For Over 42 Years

BILL WINK CHEVROLET

10700 FORD RD., BET. WYOMING & SCHAEFER DEARBORN, MICHIGAN



582-5400

"KEEP THAT GREAT GM FEELING WITH GENUINE GM PARTS"

ATT

AUTOMETRIC BODY SHOPS

American .. Import



818 N. Main Royal Oak, MI 398-0200 490 S. Telegraph Pontiac, MI 48053 332-0600 8645 E. 10 Mile Centerline, MI 757-7491 24465 Gratiot East Detroit, MI 774-3455



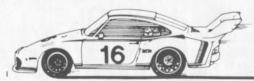
689-4940

PIRELLI & MICHELIN TIRES

COMPLETE REPAIR SERVICE

- MERCEDES BENZ
- PORSCHE
- VOLKSWAGEN
- AUDI
- B-M-W

1725 E MAPLE RD (15 MILE) TROY 1 BLOCK EAST OF 1-75



1985 Waterford Digest



IMPORTED CAR SERVICE CO.

Call 293-5566 31529 UTICA RD., FRASER BET. 13 & 14 MILE LET OUR TRAINED
PERSONNEL SERVICE
YOUR CAR

LOCAL REFERENCES
PARTS COUNTER

Complete Line of Brand Name and Custom Parts and Accessories



Specialists in all phases of High Performance Work

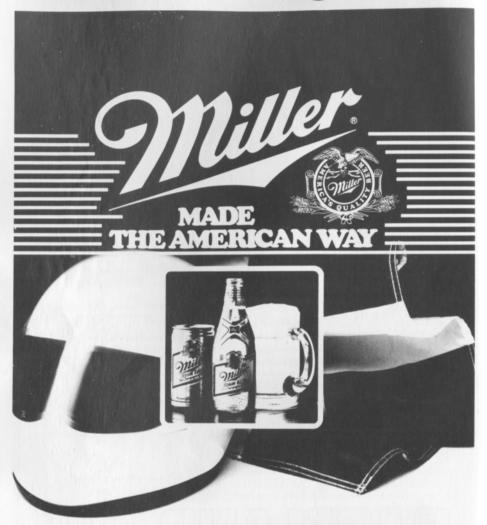
RAGELAND SUPPLY

PERFORMANCE RACING ENGINES

26700 W. 8 Mile Rd., Southfield, MI 48034 355-2288

Bet. Inkster and Telegraph

COMPLETE MACHINE SHOP OPEN 6 DAYS A WEEK — CLOSED SUNDAY



OFFICIAL BEER SPONSOR

WATERFORD HILLS ROAD RACING

POWERS DISTRIBUTING CO., INC.

2000 PONTIAC DRIVE PONTIAC, MICHIGAN 48053

682-2010

SEE DANNY SULLIVAN'S 1985 WINNING INDY 500 MILLER AMERICAN RACE CAR AT WATERFORD HILLS RR AUGUST 25 th

Beer Brewed by Miller Brewing Co., Milw., WI

1985 Waterford Digest

LOOking back with Bizer Sept. 31, 1967



HEADING FOR TURN ONE, TOM MCDONALD'S MGA BEGINS TO LOSE ITS LEFT WHEEL AND AXEL SHAFT...

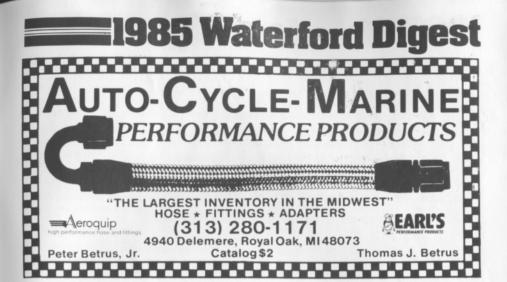


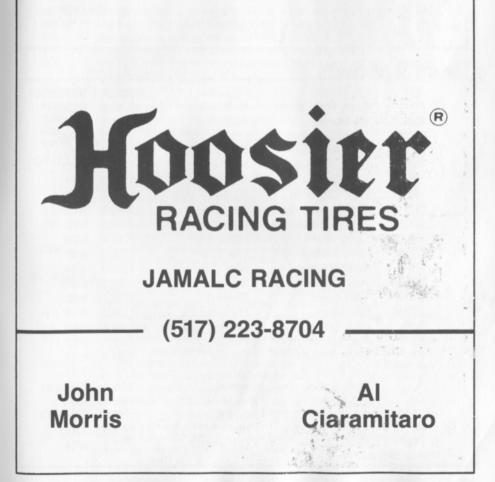
... A TURN WORKER ATTEMPTS TO HACT ITS PROGRESS WITH HIS FLAG ...



... IT WINDS UP SAFELY IN ANOTHER WORKERS HANDS AS TOM EMERGES FROM HIS CAR.







Average Lap Speed

Min/Sec	MPH D	Min/Sec	МРН	Min/Sec	MPH
1:00	85.326	1:17	66.488	1:34	54.463
1:01	THE PROPERTY OF THE PARTY OF TH	1:18	65.635	1:35	53.890
1:02	82.574	1:19	64.805	1:36	53.329
1:03		1:20	63.995	1:37	52.779
1:04	79.993	1:21	63.204	1:38	52.240
1:05	78.762	1:22	62.434	1:39	51.713
1:06	77.569	1:23	61.681	1:40	51.196
1:07	76.411	1:24	60.947	1:41	50.689
1:08		1:25	60.230	1:42	50.192
1:09	74.197	1:26	59.530	1:43	49.704
1:10	73.137	1:27	58.846	1:44	49.227
1:11	72.106	1:28	58.846	1:45	48.758
1:12		1:29	57.523	1:46	48.298
1:13	70.131	1:30	56.884	1:47	47.846
£1:14	69.183	1:31	56.259	1:48	47.403
1:15		1:32	55.647	1:49	46.968
1:16	67.363	1:33	55.041		

The Waterford Hills Road Course is 1.4221 miles long (7,509 ft. center line of track). To determine the speed of any individual car, time it for one complete lap and read off the speed from this table.

Class Records

•	D TEN				
	ASR	Ed Murray	Chevron	1:10.9	9/81
	CSR	Evan MacDonald	M-2	1:10.5	9/78
	DSR	Ed Murray	Jedi	1:12.5	4/85
	S/2000	Larry Campbell	Lola	1:11.5	9/79
	EP	Lou Livengood	Porsche 356	1:16.3	6/80
	FP	Barry Hartzel	MG Midget	1:16.2	7/78
	GP -	Kirk Carlson	MG Midget	1:17.0	8/81
	HP	Paul Cameron	Sprite	1:20.4	7/78
	GT-1	Tim Taylor	Corvette	1:13.7	9/83
	G1-2	J. Byron Walker	Datsun	1:16.5	9/80
1.	GT-3	Craig Allen	Lotus Elan	1:16.4	9/83
	GT-4	Jerry Morlewski	Fiat 124	1:19.0	9/83
	QT-5	Ted Wollesen	Mini Cooper	1:19.9	5/84
	ITB	Ray Krom	Scirocco	1:32.30	8/85
	SS-GT	Tom Goad	Firebird	1:23.11	8/85
	SSA	Bill Bailey	Mustang	1:26.2	6/85
	SSB	Jack Broomall	Shelby	1:27.4	6/85
	SSC	Ron Lindensmith	Fiat X1/9	1:29.6	9/82
	FF	Vince Muzzin	Royale	1:09.4	6/78
	FV	Lee McLeod	Lynx	1:15.7	7/81
*:	*F/A	Andy Falbo	March	1:06.1	8/83
	F/C	Jay Novak		1:09.3	9/84
	F440	Jay Novak	EPEE	1:16.0	8/84
	F4	Stuart Lamont	Xpit	1:12.5	7/83
	FFR	Mark Davison	Crossle 32	1:17.0	5/84
*	track reco	rd			

1985 Waterford Digest

Racing Classes

To insure fairness in competition, all road racing cars are grouped into racing classes by the Sports Car Club of America in its General Competition Rulebook (GCR), Waterford Hills Road Racing observes the GCR regulations with some minor exceptions.

The five Competition groups are: Production (sports cars), Showroom Stock (GT cars and sports cars with minimal modification), Sports Racing (Highly modified engine and body over wheels), GT (enclosed cockpit passenger cars and former big production cars), and Formula (open wheels single cockpit). Racing groups are subdivided into classes of equally competitive cars based upon engine size and handling characteristics.

The cars listed below are representative of their racing classes and include most of those you will see at Waterford Hills.

PRODUCTION

EP	Porsche 356 series, MGB, Opel GT, Porsche 914/4, Triumph TR-4
FP	Saab Sonnet, MG Midget Mk III & IV, Lotus 7, Triumph Spitfire Mk III & IV & 1500
GP	MG Midget Mk I & II. Triumph Spitfire Mk I & II. MGA. Austin Healy Sprite Fiat

X1/9, Fiat 124 Spider, Alfa Romeo, Porsche Coupe

Austin Healy Sprite Mk I & II, Fiat 850, MG Midget 948, Fiat Abarth

SHOWROOM STOCK

new class with current model cars of SSA plus additional modifications allowed.

Mustang Cobra, Mazda RX series, Porsche 924, Capri V-6, Datsun 280Z SSB Triumph TR-8, Scirocco, Dodge Colt, Datsun 200SX, Fiat 124

SSC Fiat X1/9, Pinto, VW Rabbit, Renault LeCar, Mustang 2.3, MGB, Honda Civic,

Toyota Corolla, Pontiac Astre

SPORTS RACING

over 1300 cc but less than 6000 cc

over 850 cc up to 1600 cc (with restrictions)

DSR below or equal to 850 cc

S/2000 uses Ford 2000 cc overhead cam engines only

GT CLASSES

GT-1 Corvette, Camaro, Ford Cobra II, Shelby GT-350, Porsche 911 SC, Dodge Aspen Datsun Z series, Mazda RX7, Porsche 914/6 & 924 Turbo, Sunbeam Tiger, GT-2

Triumph TR-6 & TR-8

GT-3 Opel 1900, Datsun 510 1800, Mustang 2300, Pinto 2000 & 2300, Cosworth Vega

GT-4 Fiat 124 Sports Coupe, Pinto 1600, Toyota Celica, Dodge Colt, Toyota Corolla 1600, Renault LeCar, Datsun 510 1600, Ford Escort/Lynx, VW Rabbit & Scirocco

Datsun 200SX, Austin/Morris Mini Cooper, VW 1300, NSU TT. Honda Civic,

GT-5 Fiat 124 1200, Toyota Corolla 1200

FORMULA

Formula Ford — Cortina or Pinto 1600 cc engine, strict weight to engine ratio FF with driver's weight included in total legal weight, very equal class'

FFR Formula Ford Radial - the cars are the same as the above class except they must use BF goodrich T/A radial tires.

Formula Vee — all Volkswagen components, 1200 cc engine, driver's weight

included in total legal weight, very competitive class F/ATLC Formula Atlantic — choice of engines in over 1100 cc up to 16000 cc range.

wings and other modifications allowed, not meant to be an inexpensive race car

Formula Continental — engine up to 1100 cc, rear wings allowed, combines F/CNTL the modifications of the previous Formula C and Formula Super Vee classes

Formula 440 — utlizes Fuji two-cycle snowmobile engines and drive train, rigid F440 suspension, wings permitted

F4 Formula Four — Canadian class, motorcycle engine power plant, engine size

determines weight and transmission allowed

Flags _____

yellow with red stripes



Take care, oil has been spilled or a slippery condition exists somewhere in your vicinity. Look at the track surface.

black



Sloppy or dangerous driving. Complete the lap you are on, stop at the Start/Finish line for consultation with Chief Steward. Waving Black Flag (displayed on all corner stations) means the race is stopped. Slow down immediately and proceed around the track with extreme caution to the pit lane for a re-start.

black with orange ball



(Meatball Black Flag) There is something mechanically wrong with your car. Proceed to your pits at reduced speed.

green



(Or no flag) Course is clear.

yellow



(Stationary) Take care, danger, no passing. (Waving) Great danger, be prepared to stop, no passing.

red



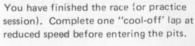
Waving red (displayed by the Starter only) means the race is stopped, slow down immediately and proceed around the track with extreme caution to the pit lane.

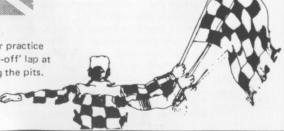
with diagonal yellow stripes



(Motionless) Another competitor is following you closely.

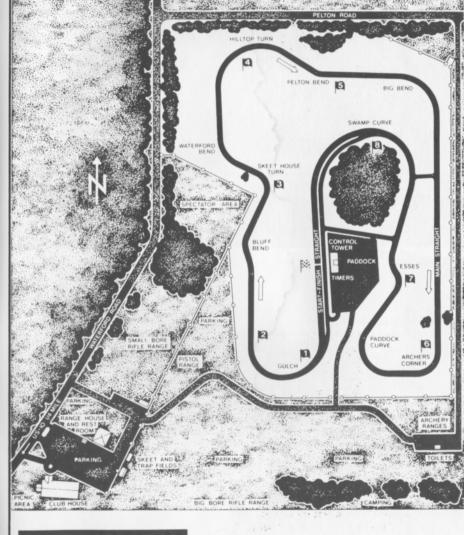
checkered





1985 Waterford Digest Waterford Hills Course Map

a 1.5 mile asphalt road course at waterford, michigan





RACING RAIN OR SHINE





THE WATERFORD DIGEST

Published by Waterford Hills Road Racing Inc., 1985



Evolution moves selectively toward perfection. Mondial Quattrovalvole

A Ferrari is an investment: in pride, in excellence, in achievement. Protect your investment by purchasing and maintaining your Ferrari through your authorized dealer. Only your authorized Ferrari dealer can provide full factory warranty, service and parts.



The Sports Car Elchange

MICHIGAN'S EXCLUSIVE AUTHORIZED AGENT FOR FERRARI, MASERATI AND ALFA ROMEO 14510 MICHIGAN AVE. DEARBORN, MICHIGAN 313-581-6222