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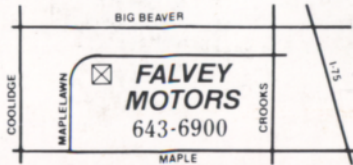
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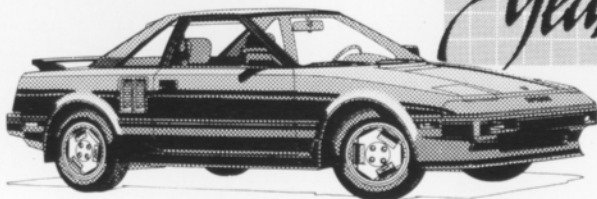
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## Contents

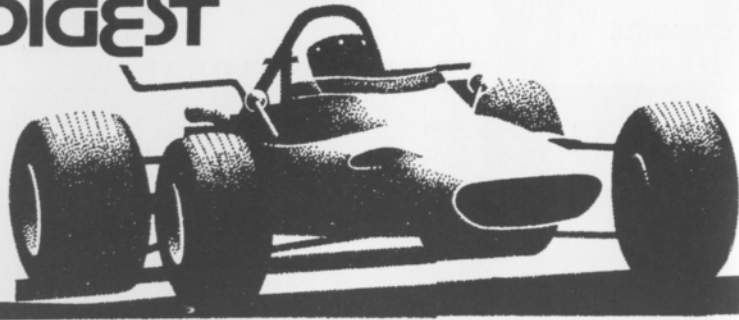


- 2. The Inside Line
- 3. Officials
- 10. Race Results
- 14. Feature Story
- 29. Looking Back With Bizer
- 32. Average Lap Speed Chart
- 32. Class Records
- 33. Racing Classes
- 34. Flags
- 35. Course Map
- 36. Racing Schedule

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Cover Photo by *AL BIZER*



## The Inside Line

### Independence Township Celebrates Sesquicentennial

Independence Township is 150 years old this year and several celebrations have been planned throughout the year. One of these celebration weekends coincides with the Meadow Brook Historic Races to be held the weekend of August 2 and 3.

Plans call for a mini-concours of 25 vintage race and street cars at Village Park, located on Main and Depot Streets, in downtown Clarkston on the evening of August 1. The evening's entertainment will also include callope music, a performance by the Church Street Singers and an old-fashioned ice cream social.

Times are not set at this time, but festivities will probably be scheduled from 6 to 9 p.m.

A parade featuring music and vintage cars will be featured on Saturday morning. Times will be announced closer to the event. Special-interest car clubs are encouraged to participate in this event.

As part of the sesquicentennial celebration, souvenirs and raffle tickets are being sold to raise money to purchase a town clock. Further information may be obtained by calling the Independence Township Hall, 625-5111.

Waterford Hills Road Racing, Inc., is proud to have a part in the sesquicentennial celebrations in Clarkston and Independence Townships.



## Officials

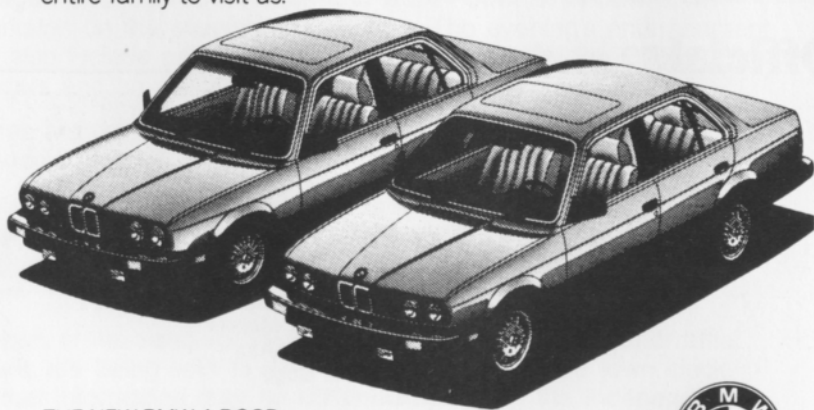
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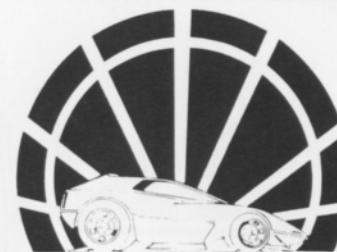
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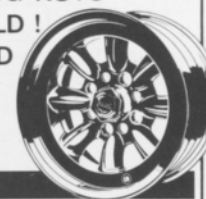


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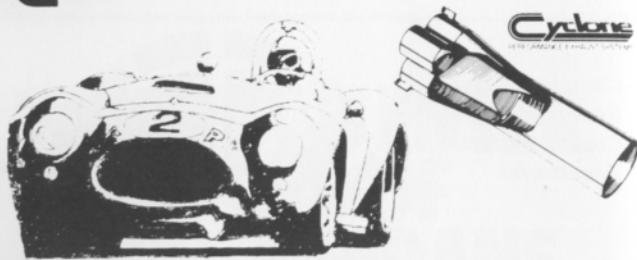
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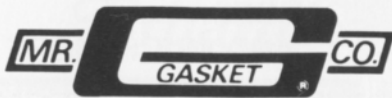
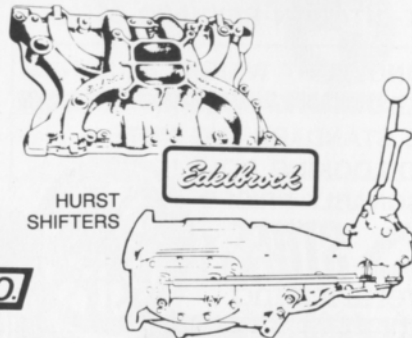
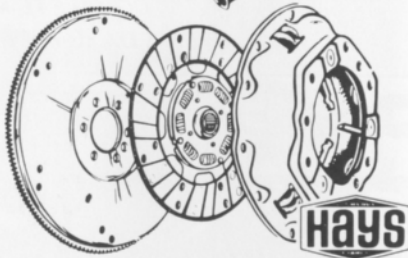
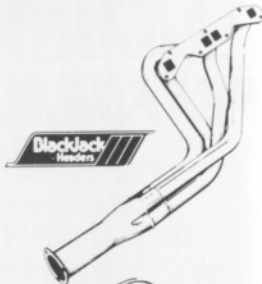
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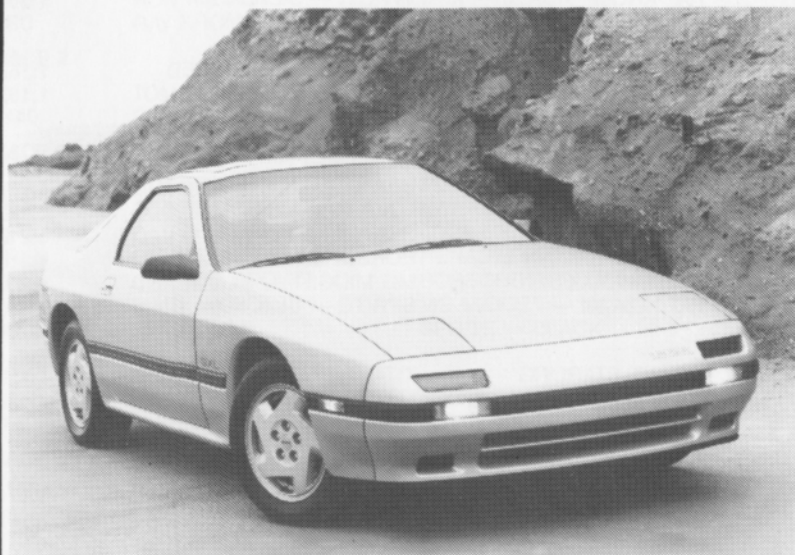
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## SATURDAY CLASS RACES MAY 24-25, 1986 CLASS WINNERS

CLASS	DRIVER	CAR	BEST LAP
<b>RACE 1</b>			
XP	JAY TUCKER	A.H. 3000 — DK GREEN	1:31.24
GT5	TED WOLLESEN	MINI COOPER — YELLOW	1:20.62
ITS	JOHN HEENEY	DATSUN 280Z — YLW/WHT	1:26.23
ITA	DEAN VOLTMER	MUSTANG II — BLUE	1:33.30
ITB	TERRY RICHARDS	DODGE CHARGER — BLUE	1:31.26
ITC	CAL CORTRIGHT	FORD FIESTA — ORANGE	1:33.24
SSGT	JIM COOKE	TRANS-AM — BLUE	1:26.01
SSA	TERRY DUVALL	PONTIAC FIERO — BLACK	1:30.05
SSB	RON MILLER	CRX — BLACK	1:26.96
SSC	RAY KROM	VW GTI — SILVER	1:29.06
<b>RACE 2</b>			
FV	KERRY BOWMAN	CARACAL C — BLK/RED	1:16.71
F440	S. JAY NOVAK	CARACAL — WHITE	1:15.62
<b>RACE 3</b>			
CSR	GREGG PALOMBO	MERLYN — RED	1:15.56
DSR	SCOTT MCNEIL	HAWKE — WHITE	1:15.70
S2	DAN O'CONNER	LOLA 598 — RED	1:12.99
SREN	MICHAEL NEAL	RENAULT — WHITE	1:21.81
EP	CHARLIE BROWN III	PORSCHE — BLUE/WHITE	1:21.27
FP	MARY WOLLESEN	MG MIDGET — BLACK	1:26.01
GP	PAT NOWAK	SPRITE — BLACK	1:21.53
<b>RACE 4</b>			
FF	GRANT STARLING	TITAN	1:13.98
FFR	JAMES VOLLMERS	LOTUS 51	1:18.99
<b>RACE 5</b>			
GTX	HAL PRINGLE	CORVETTE — BROWN	1:17.19
GT1	DOUG BUIST	CORVETTE — RD/BLK/SIL	1:17.15
GT3	JEFF ERVIN	PINTO — BRN/ORG/WHT	1:18.99

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## SUNDAY CLASS RACES MAY 24-25, 1986 CLASS WINNERS

CLASS	DRIVER	CAR	BEST LAP
<b>RACE 1</b>			
XP	JAY TUCKER	A.H. 3000 — DK GREEN	1:32.88
GT4	JERRY MORLEWSKI	FIAT 124 — RED	1:20.21
GT5	TED WOLLESEN	MINI COOPER — YELLOW	1:20.77
ITS	JOHN HEENEY	DATSUN 280Z — YLW/WHT	1:26.28
ITA	DEAN VOLTMER	MUSTANG II — BLUE	1:31.49
ITB	TERRY RICHARDS	DODGE CHARGER — BLUE	1:31.40
ITC	CAL CORTRIGHT	FORD FIESTA — ORANGE	1:33.64
SSGT	JOHN BACON	TRANS-AM — WHITE	1:26.55
SSA	TERRY DUVALL	PONTIAC FIERO — BLACK	1:29.71
SSB	RON MILLER	CRX — BLACK	1:27.19
SSC	RAY KROM	VW GTI — SILVER	1:29.48
<b>RACE 2</b>			
FV	TOM SHAVER	LYNX TJS — RED/BLUE	1:17.46
F440	S. JAY NOVAK	CARACAL — WHITE	1:18.86
<b>RACE 3</b>			
CSR	GREGG PALOMBO	MERLYN — RED	1:16.49
DSR	SCOTT MCNEIL	HAWKE — WHITE	1:16.86
S2	DAN O'CONNER	LOLA 598 — RED	1:13.30
SREN	MICHAEL NEAL	RENAULT — WHITE	1:21.82
EP	CHARLIE BROWN III	PORSCHE — BLUE/WHITE	1:20.71
FP	MARY WOLLESEN	MG MIDGET — BLACK	1:25.99
GP	PAT NOWAK	SPRITE — BLACK	1:20.47
<b>RACE 4</b>			
FF	LEWIS COOPER, JR.	SWIFT DB1 — BLACK	1:11.50
FFR	JAMES VOLLMERS	LOTUS 51	1:19.23
<b>RACE 5</b>			
GTX	HAL PRINGLE	CORVETTE — BROWN	1:17.39
GT1	DAVE BUIST	FIERO — SILVER	1:15.05
GT3	JEFF ERVIN	PINTO — BRN/ORG/WHT	1:20.22



ALL PHOTOS ON THIS PAGE BY DON CASTLE



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## Meadow Brook Historic Races: A Look Back in Time

by Sherry Harrington

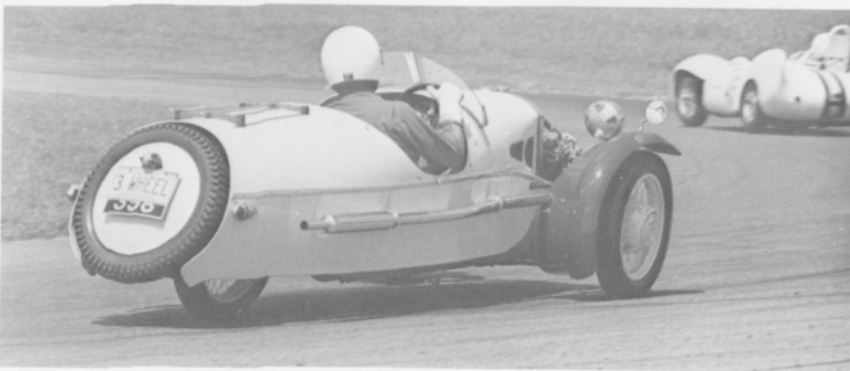
If you are a vintage car enthusiast, or an auto racing fan, you should find the Meadow Brook Historic Races a delight.

The Meadow Brook Historic Races will be held August 2 and 3, at the Waterford Hills Road Racing, Inc. Race Track in Clarkston. They will feature a number of vintage and historic competition vehicles racing against one another for the trophies of the day.

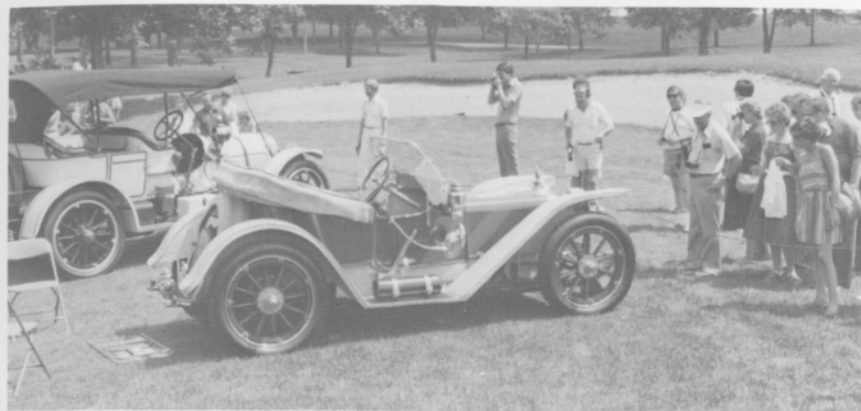
This is the second year for these special races which are held in conjunction with the Concours d'Elegance held August 3 at, and benefitting, Meadow Brook Hall on the Oakland University Campus in Rochester.

The concept of a parade of elegance began in Europe. Fine automobiles, clothes and accessories would highlight a summer day, with special awards given to those cars whose design and craftsmanship were worthy artforms denoting style and grace. Meadow Brook Concours was the brainchild of Don Sommer, president of the American Arrow Corporation and a Detroit area car collector. It was first held in August, 1979, with Chrysler Chairman Lee A. Iacocca as honorary chairman. Approximately 100 automobiles were displayed on the rolling lawns of Meadow Brook Hall.

There have been several changes to the Meadow Brook format over the years. A sports car class was added in 1982, as was the concept of a featured marque. This year the featured marque is Chevrolet. What has remained unchanged at the Meadow Brook event is the extraordinary quality of the automobiles fielded for the Concours.



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This second year of historic racing looks to be an exciting one. Don't make the mistake of thinking that these racers of yesteryear are only out on the race track for a Saturday or Sunday drive. This is an event for both displaying the car and for wheel-to-wheel competition. The drivers still have that competitive spirit.

"Vintage" most often refers to vehicles built before 1963. "Historic" generally refers to vehicles built before 1968. However, some vehicles of special racing significance built after 1968, may be included in this group.

Vintage cars are generally subdivided based on era, type and performance potential. Historic cars are generally subdivided in the same manner.

This year's event will feature competitive races on both Saturday and Sunday. Sunday races will be scheduled in the afternoon, allowing spectators to visit the Concours d'Elegance at Meadow Brook Hall in the morning and then get in the spirit of racing at the WHRRI race track in the afternoon.

Saturday's races include several vintage and historic classes along with two celebrity races sponsored by Volkswagen. The GTI Media Challenge is also in its second year and promises to be most exciting, as several of the local media challengers recently attended the WHRRI Drivers School. One GTI race will feature members of the national media, representing magazines including Car and Driver, Road and Track, Motor Trend, Autoweek and Automotive News. The second race will feature Gary Cubberly of Channel 2, Barbara McClellan of the Detroit News, Gene Taylor of Channel 7, Nickie McWhirter of the Detroit Free Press, and J.P. McCarthy of WJR radio.

Several non-competitive parades of special-interest and historic cars will be held throughout the weekend. The special Chevrolet Marque Parade will be held during the Saturday lunch break and will be led by Parade Marshal Zora Duntov, who is considered to be the father of the Corvette. He designed the first Corvette, and was responsible for the Corvette design for many subsequent years.

Owners of special-interest and historic automobiles can participate in one of the many parades at a cost of \$5. These parades will be led by a pace car and will allow no passing of other vehicles. In addition to the parades of cars, there will be corrals of special interest cars at designated areas on the WHRRI grounds.

There will be several unique cars on display during the weekend. Among them is a Mercedes Benz museum car which is to be shipped to the United States for participation in several vintage race events. In addition, there will be a 1939 Mercedes Benz W154 Grand Prix car on display. It is owned by Joel Finn.

The spectator area will feature refreshment stands, boutiques and other interesting exhibits.

The Meadow Brook Historic Race weekend is just one part of year-long sesquicentennial activities being held in Independence Township. Look for information elsewhere in this Digest about additional activities to be held in Clarkston during the weekend.

Plan to be with us for a unique and fun-filled weekend of racing on August 2 and 3 — here at WHRRI Race Track.



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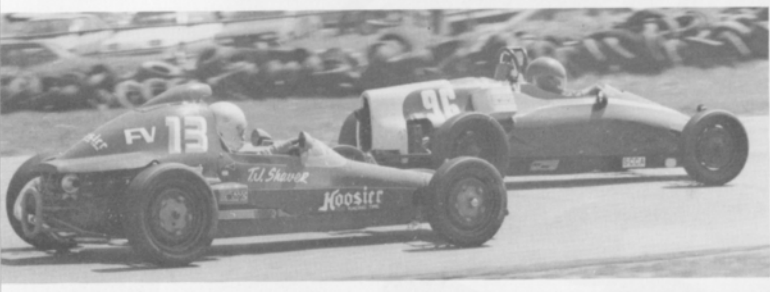
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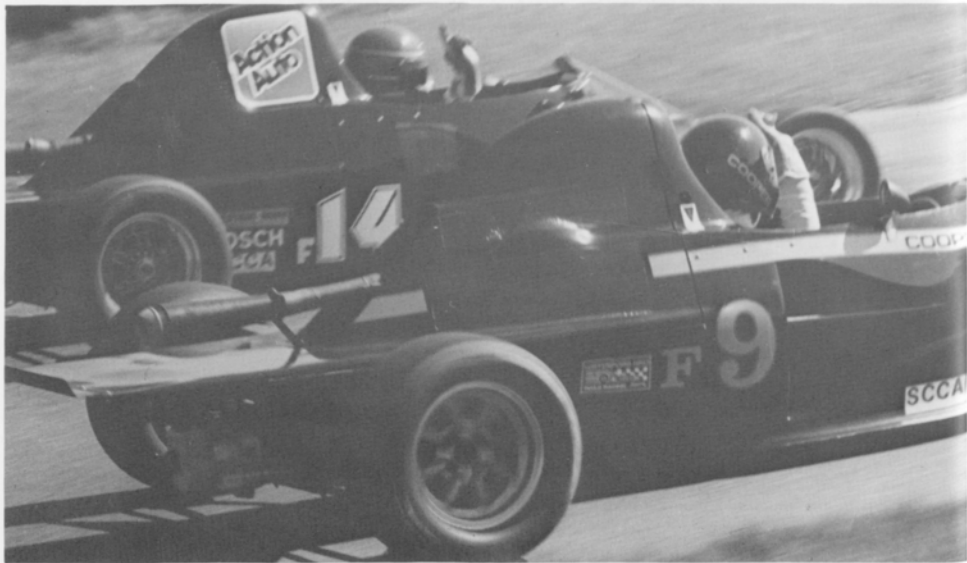
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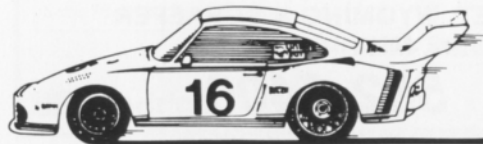
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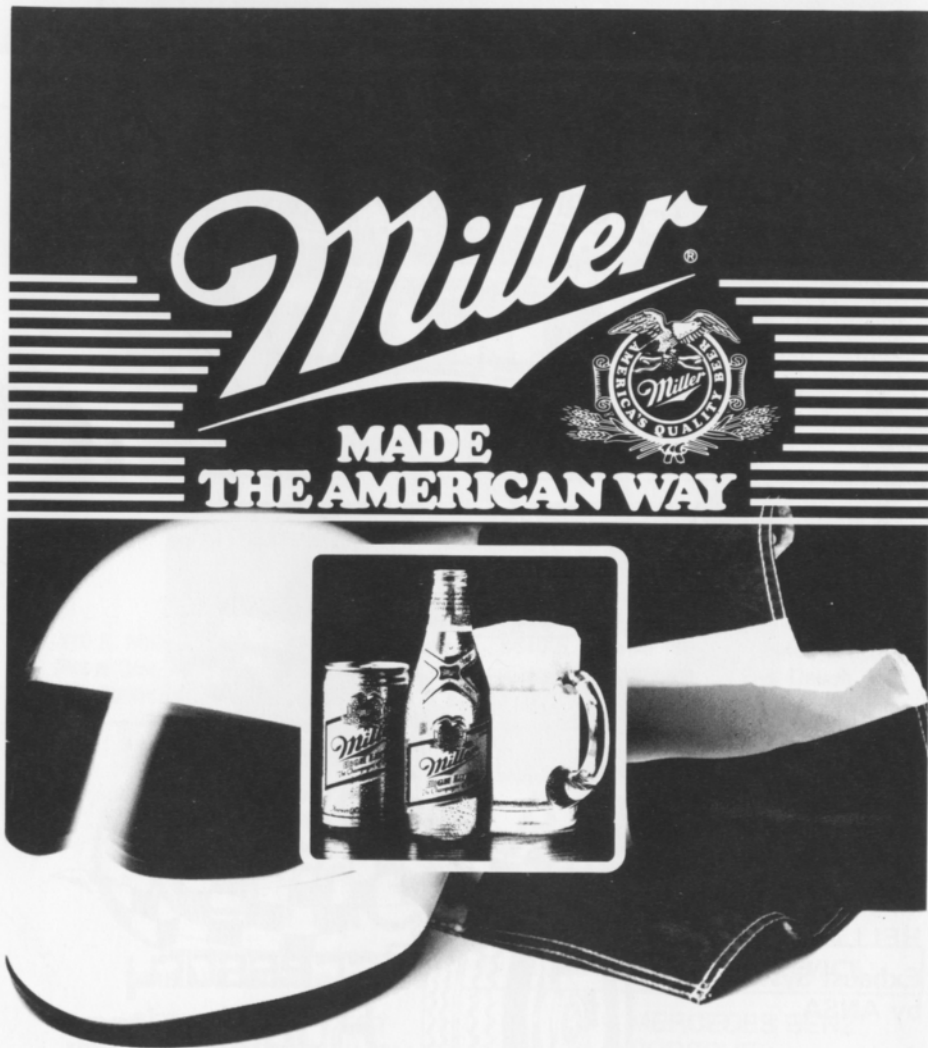
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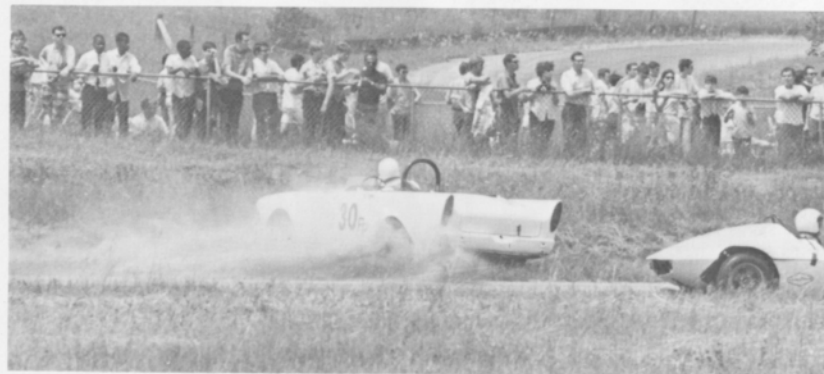
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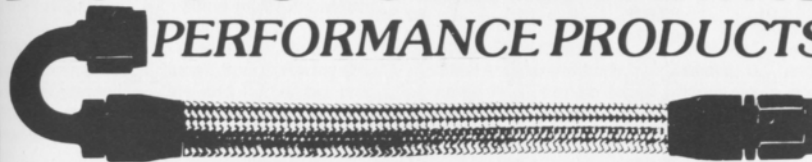
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## Average Lap Speed

Min/Sec	MPH	Min/Sec	MPH	Min/Sec	MPH
1:00	85.326	1:15	68.261	1:30	56.884
1:01	83.927	1:16	67.363	1:31	56.259
1:02	82.574	1:17	66.488	1:32	55.647
1:03	81.263	1:18	65.635	1:33	55.041
1:04	79.993	1:19	64.805	1:34	54.463
1:05	78.762	1:20	63.995	1:35	53.890
1:06	77.569	1:21	63.204	1:36	53.329
1:07	76.411	1:22	62.434	1:37	52.779
1:08	75.288	1:23	61.681	1:38	52.240
1:09	74.197	1:24	60.947	1:39	51.713
1:10	73.137	1:25	60.230	1:40	51.196
1:11	72.106	1:26	59.530	1:41	50.689
1:12	71.105	1:27	58.846	1:42	50.192
1:13	70.131	1:28	58.846	1:43	49.704
1:14	69.183	1:29	57.523	1:44	49.227

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

ASR	Ed Murray	Chevron	1:10.9	9/81
CSR	Evan MacDonald	M-2	1:10.5	9/78
DSR	Ed Murray	Jeddi	1:12.8	9/85
S/2	Larry Campbell	Lola	1:11.5	9/79
SREN	Dave Finch	SPT Renault	1:21.3	6/84
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
GT1	Don Sak	Corvette	1:13.2	5/86
GT2				
GT3	Craig Allen	Lotus Elan	1:16.4	9/83
GT4	Jerry Morlewski	Fiat 124	1:18.7	9/85
GT5	Ted Wollesen	Mini Cooper	1:19.2	9/85
ITA	Dean Voltmer	Mustang II	1:30.9	5/86
ITB	Ray Krom	Scirocco	1:28.8	9/85
ITC	Dave Vestrand	Fiesta	1:32.6	8/85
ITS	John Heeney	Datsun 280Z	1:26.2	5/86
SSGT	D.J. Fazckas	Porsche Turbo	1:22.7	5/86
SSA	Bill Bayley	Mustang	1:26.2	6/85
SSB	Ron Miller	Honda CRX SI	1:27.0	5/86
SSC	Ray Krom	VW-GTI	1:28.8	5/86
**FA	Andy Falbo	March	1:06.1	8/83
FC	Jay Novak	Novakar	1:09.3	9/84
FF	Vince Muzzin	Royale	1:09.4	6/78
FFR	Mark Davidson	Crossle 32	1:17.0	5/84
F4	Stuart Lamont	Xpit	1:12.5	7/83
FV	Lee McLeod	Lynx	1:15.7	7/81
F440	Jay Novak	Epee	1:14.8	9/85

\*\*track record

## 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 (sport 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
HP	Austin Healy Sprite Mk I & II, Fiat 850, MG Midget 948, Fiat Abarth

### SHOWROOM STOCK

SS-GT	New class with current model cars of SSA plus additional modifications allowed
SSA	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

ASR	over 1300 cc but less than 6000 cc
CSR	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
GT-2	Datsun Z series, Mazda RX7, Porsche 914/6 & 924 Turbo, Sunbeam Tiger, 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
GT-5	Datsun 200SX, Austin/Morris Mini Cooper, VW 1300, NSU TT, Honda Civic, Fiat 124 1200, Toyota Corolla 1200

### FORMULA

FF	Formula Ford — Cortina or Pinto 1600 cc engine, strict weight to engine ratio 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
FV	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
F/CNTL	Formula Continental — engine up to 1100 cc, rear wings allowed, combines the modifications of the previous Formula C and Formula Super Vee classes
F440	Formula 440 — utilizes Fuji two-cycle snowmobile engines and drive train, rigid 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**



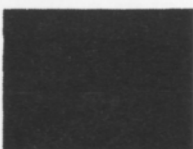
(Or no flag) Course is clear.

**yellow**



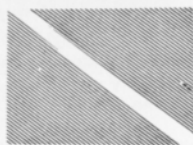
(Stationary) Take care, danger, no passing.  
(Waving) Great danger, be prepared to stop, no passing.

**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.

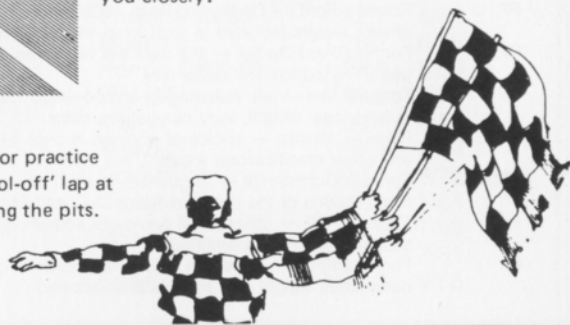
**blue with diagonal yellow stripes**



(Motionless) Another competitor is following you closely.

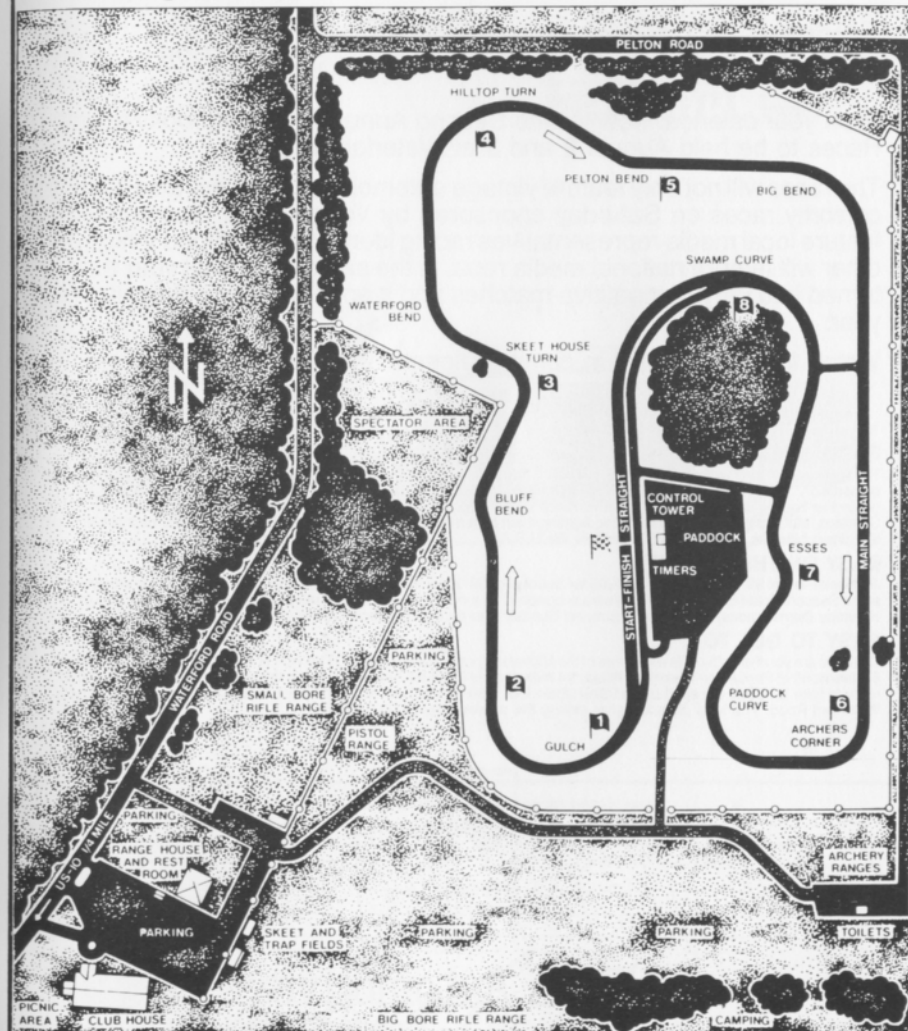
**checkered**

You have finished the race (or practice session). Complete one "cool-off" lap at reduced speed before entering the pits.



## Waterford Hills Course Map

a 1.5 mile asphalt road course at waterford, michigan



## Waterford Hills 1986 Road Racing Calendar Schedule

Race 1	May 3-4	Race 4	July 26-27
Race 2	May 24-25	Race 5	Aug. 30-31
Race 3	June 28-29	Race 6	Sept. 27-28

Mark your calendar now for the Second Annual Meadowbrook Historic Races to be held August 2 and 3 at Waterford Hills.

The races will not only feature vintage automobiles, there will also be two celebrity races on Saturday sponsored by Volkswagen. One race will feature local media representatives racing identically equipped VWs, the other will feature national media reps. in the same cars. Last year these turned into very competitive matches and it appears they will again this year.

Watch for more details in coming Digests and plan to be there.

### Vintage Race Aug. 2-3

#### RACING RAIN OR SHINE

The hills of Waterford are being invaded... with an army of sports cars, sedans and formula cars in fierce, wheel to wheel competition... and for 1986 we've assembled the largest field in our 28 year history! Watch over 130 top drivers battle it out in the finest racing machinery from America and Europe. Corvette, Porsche, Datsun. Everything from Capris to Camaros, McLarens to MG's. All together, fighting it out on a mile-and-a-half track with 13 right and left turns that twist up and down hills like no other road course in the U.S.A.

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Admission is just \$3.00 for Saturday, \$5.00 for Sunday, or \$6.00 for the entire weekend. Children under 12 are always free and a Season Ticket is only \$20.00. The track opens at 10 a.m. for practice and qualifying. Racing begins at 1:30 p.m. on Saturday (seven races) and at 11:30 a.m. on Sunday (ten races). For more information phone (313) 623-0444.

#### EASY TO GET TO

Chances are you live within a few minutes of the Midwest's premier road course. The W.H.R.I. Race Track is located just 6 miles north of Pontiac on Waterford Road, 1/4 mile each of Dixie Highway (U.S. 10) in Waterford, Michigan. The easiest route to take is I-75 to the southbound Sashabaw Exit. Take Sashabaw south to Pelton Road, then take Pelton west to Waterford Road. The total distance after exiting the expressway is 2-1/2 miles.

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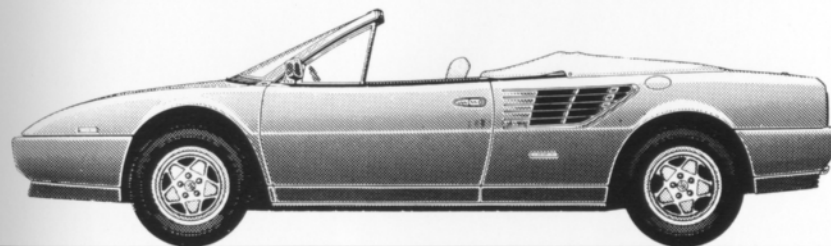
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