# MOTORS COMP



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 handling. Both are equipped with precise power rack

and pinion steering, racebred fourwheel 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.

ENJOYTOMORROW BUCKLEUPTODAY



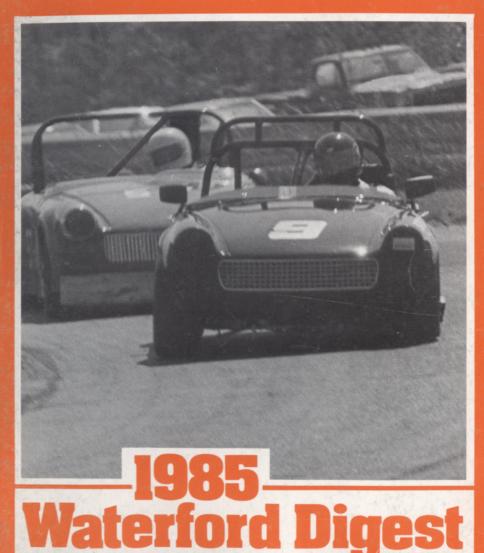
15 Mile (Maple) between Coolidge and Crooks

40 years...Creating the Competition!!

FAUVEY

0000

# WATERFORD HILLS SOLUTION OR OF THE PROPERTY OF THE PROPERTY



MID-SUMMER SPRINTS

**JULY \$2.00** 

TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA

PACE CAR FURNISHED BY

# **PAGE TOYOTA**

TOYOTA TOYOTA TOYOTA

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.

ATOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA

# 1985 Waterford Digest



DON CASTLE

### 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

# 1985 Rerford Digest The Inside Line

During the month of June Oakland Mall featured a display of our cars. We hope you had a chance to see than up close.

June 29-30 saw some of the best racing so far this season. Over 100 cars were on hand and the racing was hot and heavy.

This weekend we would like to welcome our sponsor BF Goodrich. We hope you all enjoy yourselves.

We would like to welcome the folks from J. Walter Thompson and the members of the Roseville Rod and Social Club.

Saturday, August 3rd, we will be hosting historic car races. This is in conjunction with the Meadowbrook Concourse. This will be an excellent chance to see many older cars that have not raced in some time. There will also be 2 races featuring local celebrities in one and writers from national automotive magazines in another. Volkswagen of America will provide 5 GTIs for this event.

On August 24th and 25th you'll have a chance to see Danny Sullivan's Indy 500 winning car. Our sponsor for the weekend is Miller Beer.

The International Stars region of the Mercedes-Benz club of North America and the Southeastern region of the Porsche Club of America will also be on hand.

MAC Tool/Ford Motorsport will once again sponsor our season finale, September 28th and 29th.

# **1985** Waterford Digest

Continuing a long standing tradition the British car clubs will be out on Sunday. Last year we had over 125 cars on the track.

During the break between the last class race and the first feature, will come over to the turn 3 safety station. I usually have another driver or two with me. Come on down and say hello. If you have any questions about racing this is an excellent time to get an answer directly from the best source. And if you have any suggestions or complaints we would like to hear them also.

We hope you enjoy yourselves. Next time bring a friend.

Mike White

### **Officials**

President Don Burry Chief Steward John Morris Assistants Ed Atkinson Barb Kitch Stewards of the Meet Dan MacDonald Peter Quenet Mike White 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 Diana Yardley 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

Waterford Hills Road Racing Club

# SPORTS SEDAN MORALLY ENTITLED TO BORROW THESE INNOVATIONS FROM BMW.

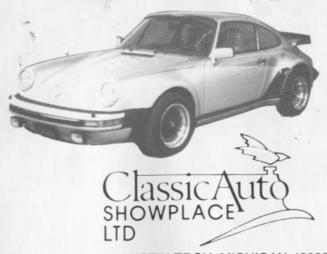


© 1982 BMW of North America, Inc. The BMW trademark and logo are registered trademarks of Bayerische Motoren Werke, A.G.

Erhard B.M.W. Inc.

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

# 1985 Waterford Digest



1820 AUSTIN TROY, MICHIGAN 48083
PRIVATELY OWNED SPORTS AND SPECIAL INTEREST
AUTOMOBILES FOR SALE

UP TO 40 AT ONE INDOOR LOCATION
WE WILL SELL YOURS — PHONE FOR CONSIGNMENT DETAILS

524-0210



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



HURST SHIFTERS

# **1985** Waterford Digest



(313) 294-1700

**PORSCHE** 

RENAULT

PEUGEOT

SAAB

FOR

# MARCHAL PARISTHONE

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

DOUG FEHAN BOB FEHAN 313/549-5410 design and fabrication

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

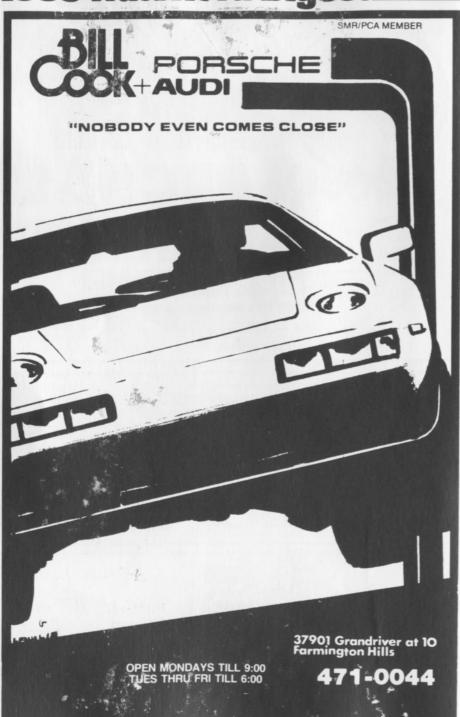
(313) 862-8500



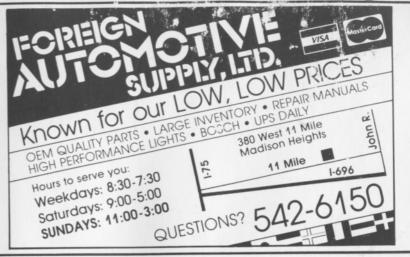
Security Associates, Inc.

COMMERCIAL, INDUSTRIAL, RESIDENTIAL SECURITY

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



# **21985** 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



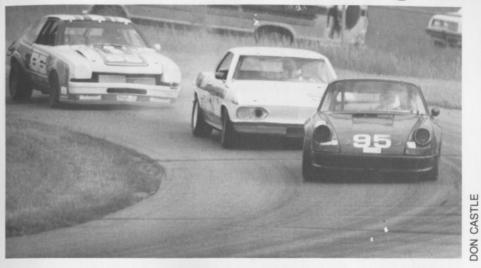
VAST SELECTION OF IMPORT AUTO ADORNMENTS WORLD'S FINEST MANUFACTURERS FOR THE DISCRIMINATING DRIVER







# 1985 Waterford Digest



### **JUNE 29-30 RACE WINNERS CLASS RACES**

Race 1	GT-4 GT-5 SSGT/SSA SSB/SSC SSX	Saturday Jerry Morlewski Ross Becker Bill Bailey Ray Krom Ron Miller	Sunday Jerry Morlewski Ted Mollesen Thomas Goad Jack Broomall Ron Miller
Race 2	FV	James Bowman	James Bowman
Race 3	S2 FP/EP GP SREN CSR	Robert Schneider A. Brakora Pat Kowak Steve Ives Jim Cozzi	Robert Schneider A. Brakora Pat Kowak Steve Ives Jim Cozzi
Race 4	FF FFR	James Termote Jac Brown	Don Fitz Greg Wilkinson
Race 5	GT1 GT3	Terry Satchell Doug Goad	Terry Satchell Doug Goad

### **FEATURE RACES**

				- 0
	Race 1	Race 2	Race 3	Race 4
1st	Scott Kiefer	Ted Wollesen	Lewis Cooper, Jr.	Dave Hall
2nd	Greg Assenmache	r Dave Dobry	Don Fitz	Jim Cozzi
3rd	T.J. Shaver	Ross Becker	James Termote	Ed Murray
4th	Ken Winters	Hugo Carlson	Bill Shamick	Terry Satchell
5th	Larry Bradley	Pat Nowak	Pete Selva	Pete Morgan

AL BIZER

AL BIZER







# 1985 Waterford Digest





### **FEATURE STORY**

### **ERNEST JOHNANSMEIER**

When I was asked to write for the Waterford Digest, I was really excited because I love cars. What could be better than seeing the cars race, and being able to talk to the racers themselves? So on Saturday morning I got up and went to the races. I got my press pass and my pit pass (paddock pass) and walked up the dirt road to the paddock area.

Cars were entering the track for their practice runs and time trials. So I thought this would be the best time for me to get better aquainted with Waterford Hills. I was having a great time and I was seeing some beautiful cars. I saw MGs, Trans Ams, Corvettes, Fieros, Rabbits, Minis, Austin Healys and, my favorite, Porsches, just to name a few. Also the racers are really nice and like to talk about their cars, so it's easy to get into a great conversation with them.

By now the racers were getting ready for the first race. They lined up behind the pace car and entered the track. This is where the confusion set in. Why were all of these different cars going out to race at the same time? Surely they were not racing against each other, it wouldn't be fair. The pace car exited the track and the race was on. I couldn't believe the speed at which these cars took the corners. And the drivers must really be skilled to be able to sneak by the others for a successful pass. At the end of the race, one of the cars pulled in to take the



# **21985** Waterford Digest

checkered flag for a lap around the track, and then another car gulled in to do the same thing, and then another. After seeing this, I realized that the cars were not racing against each other, but in different classes. As it turned out, there are not enough cars in some of the classes to race alone, so they race at the same time.

There are many different classes, and it sometimes can get confusing. The cars are divided into 5 major classes:

Production, Showroom Stock, Sports Racing, GT Classes, and Formula. At first, I could only see two major different classes.

One in which the cars would be seen on the street and another in which they would never be seen on the street. But after a while in the paddock, I began to see other differences in that the cars that would be seen on the street were modified differently and thus put into different classes. As you can see it even gets more complicated.

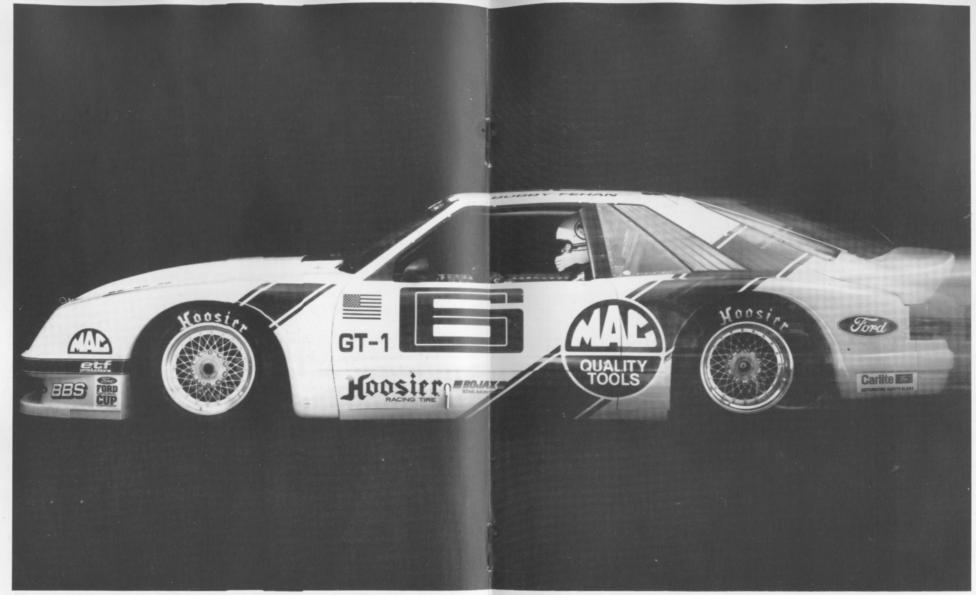
It depends on the Driver and his tastes to determine what class he would race in. If he likes street cars, like MG's he might race an MG. But others might like the all-out-racing-only cars. It's a matter of preference; "What ever turns you on!"

My first time at Waterford Hills road racing was really fun, but it was exhausting also. Even though I was tired and a little sunburned, it was worth it! See you next month at Waterford Hills Road Racing.



IN CASTLE

OD, S-RENAULT



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



BFG 1984







Comp T/A®

BF GOODRICH

HIGH TECH

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



### COMPT/A®

The Ultimate High-Performance Street Radial



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** SPECLALIST.



### **BFGoodrich** TIRE CENTER



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



# 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



"KEEP THAT GREAT GM FEELING WITH GENUINE GM PARTS"

# AN

### **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 I-75



# **1985** Waterford Digest

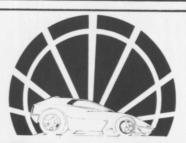


IMPORTED CAR SERVICE CO.

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

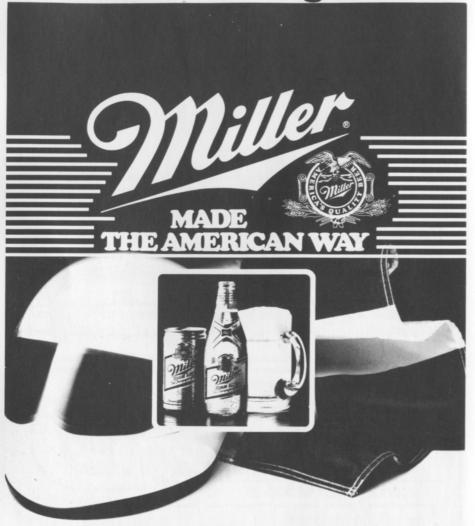
BAGGLANDSIPPLY

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

with Bizer May 1963





THE CROWD WATCHES AS TOM AND JOE CLEAR THE WAY FOR JOE GARDELLA'S LOTUS S.7 1500. NO MATTER, JOE WON OVERALL ANYWAY.

### Average Lap Speed

Mir./Sec	MPH	Min/Sec	MPH	Min/Sec	МРН
1:00	85.326	1:17	66.488	1:34	54.463
1:01	83.927	1:18	65.635	1:35	53.890
1:02	82.574	1:19	64.805	1:36	53.329
1:03	81.263	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	75.288	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	71.105	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	68.261	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

ASR CSR DSR S/2000 EP FP GP	Ed Murray Evan MacDonald Ed Murray Larry Campbell Lou Livengood Barry Hartzel Kirk Carlson	Chevron M-2 Jedi Lola Porsche 356 MG Midget	1:10.9 1:10.5 1:12.5 1:11.5 1:16.3 1:16.2	9/81 9/78 4/85 9/79 6/80 7/78	
HP	Paul Cameron	MG Midget Sprite	1:17.0 1:20.4	8/81	
GT-1	Tim Taylor	Corvette	1:13.7	7/78 9/83	
GT-2	J. Byron Walker	Datsun	1:16.5	9/80	
GT-3	Craig Allen	Lotus Elan	1:16.4	9/83	
GT-4	Jerry Morlewski	Fiat 124	1:19.0	9/83	
GT-5	Ted Wollesen	Mini Cooper	1:19.9	5/84	
SS-GT	Bill Bailey	Firebird	1:24.5	5/84	
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	ord				

# **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	
ED	Cook Connect MC Mit 1 MM W C MAI 1 To The Connect Market M	

Saab Sonnet, MG Midget Mk III & IV, Lotus 7, Triumph Spitfire Mk III & IV & 1500

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

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 Carolla, Pontiac Astre

### SPORTS RACING

ASR ove	r 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 Carolla

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 Carolla 1200

### **FORMULA**

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.

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

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

determines weight and transmission allowed

Flags

### yellow with



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



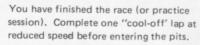
Waving red (displayed by the Starter only) means the race is stopped, slow down immediately and proceed around the track with extreme caution to the pit lane.

### blue with diagonal yellow stripes



(Motionless) Another competitor is following you closely.

### checkered

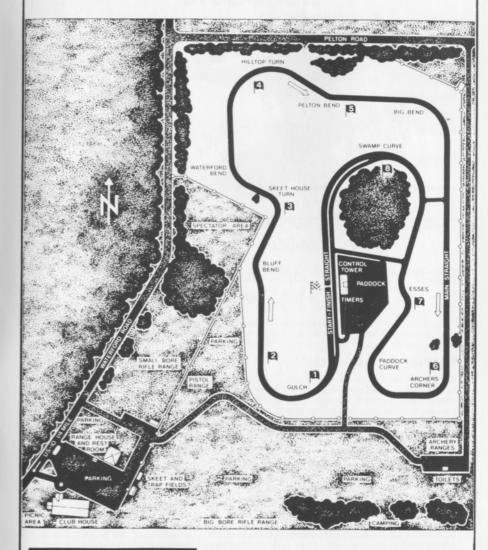




# 1985 Waterford Digest

Waterford Hills Course Map

a 1.5 mile asphalt road course at waterford, michigan





# Waterford Hills 1985 Road Racing Calendar Schedule

Race 1 May 4-5

Race 2 June 1-2

Race 3 June 29-30

Race 4 July 27-28

BF Goodrich

Race 5 August 24-25

Miller

Race 6 September 28-29

Mac Tool/Ford Motor Sport

### **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 1985 we've assembled the largest field in our 27 year history! Watch over 130 top drivers battle it out in the finest racing machinery from America and Europe. Corvette, Pors She, De'sun. 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.

### EASY ON THE WALLET

Admission is just \$3.00 for Satir day, \$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.R.I. Race Track is located just 6 miles north of Pontiac on Waterford Road, 1/4 mile east 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.

### 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