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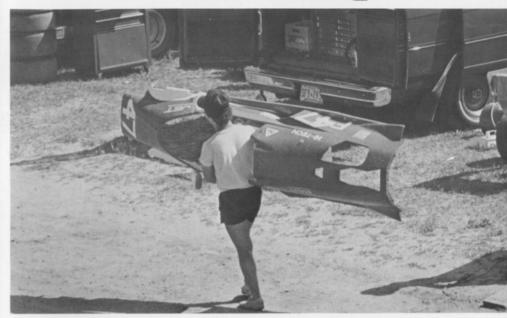
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## COSTERFORD DIGEST

DON CASTLE



### **Contents**



- 2. The Inside Line
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Cover Photo by AL BIZER



### The Inside Line

Welcome to Waterford Hills Road Racing. We're glad to see you and happy that you choose to support our racing program.

There are many people who have stereotyped impressions of the type of people who are race car drivers and the people who "hang around" race tracks.

They think it's a "good ole boy, beer drinking" atmosphere.

Good ole boys? Yes -- but maybe not in the way they think. On the whole, those associated with Waterford Hills Road Racing, Inc. (WHR-RI) are just plain good people -- people you can count on -- people who care about others. Some are race car drivers, some are specialty workers like those who work on the corners, those who act as scrutineers, and those who work in timing and scoring. Others are fans or pit crew members who come out to watch their families and friends.

It's a family affair. It's a place you can bring the kids. It's a place featuring husband and wife racing teams, father and son teams, and brother/brother teams.

And it's a great mix of professionals, skilled and blue collar workers all working side by side. Doctors, auto company execs and lineworkers, computer experts, radio and advertising reps, mechanics and musicians, retirees and students.

Along with everyone associated with WHRRI are the weekend race sponsors -- companies and corporations who sponsor many of our race weekends. The racing this weekend is sponsored by Powers, the Miller Beer distributor for Oakland County.

As for the beer drinking stereotype. There will be beer drinking on the spectator -- but the beer drinking won't start in the paddock until 6 p.m. and all cars are off the track. It's not allowed in the paddock at any other time. This isn't a "sometimes invoked" rule, it's an "all the time" rule.

## WATERFORD DIGEST 3

If you'd like to find out about becoming involved with Waterford Hills Road Racing, join us for a meeting on the first Wednesday of every month in the Oakland County Sportsmen's Club Clubhouse. We'd love to see you.

Again, we'd like to thank you, Miller Beer and Powers Distributors for joining us this weekend. We hope the weather is good, the racing is great and that you enjoy yourselves.

Sherry Harrington

AL BIZER



### **Officials**

President Don Burry Secretary Burck Grosse Vice President Dave Shook Director of Racing Jerry Morlewski Race Coordinator Dave Hinman Chief Steward John Morris Chief of Flags & Communications Willy Perez Chief Registrar Carol Humphreys Chief of Safety Blackie Meyers Chief of Timing & Scoring Peggy Krom Chief Starter Hal Goff Chief of Tech Dave Gernaev Asst Chief Eddie Atkinson Stewards of the Meet Bernie Fling Peter Quenet Licensing Chairman Jerry Shiloff Membership Chairman Diane Wollesen Trophy Chairman Cynthia Kempton Grid Marshall Emily Whitehead Paddock Marshall Bob Albo Course Control Blackie Mevers Sound Control Roger Roeske Promotions Mike White Public Relations Sherry Harrington

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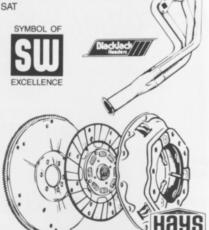


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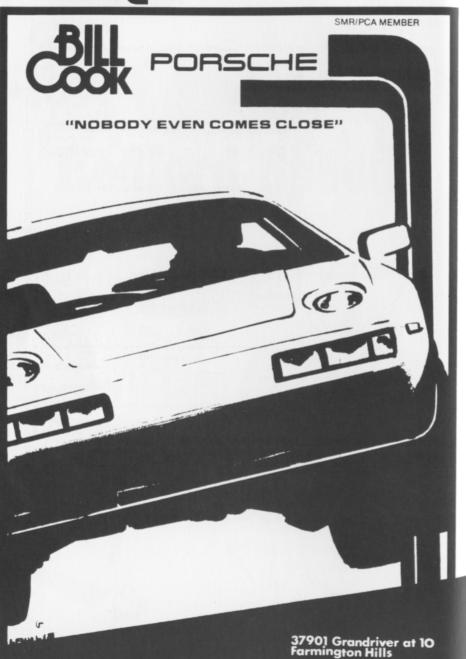






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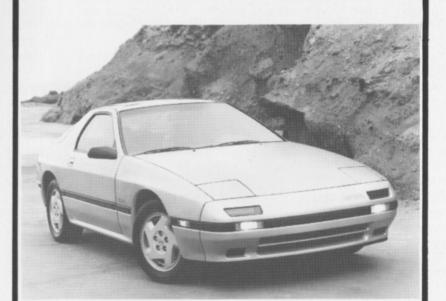
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#### SATURDAY CLASS RACES JULY 26-27, 1986 CLASS WINNERS

| CLASS   | DRIVER   | CAR   | BEST<br>LAP  |
|---|--|---|--|
| RACE 1  |  |   |  |
| GT4<br>GT5<br>ITS<br>ITA<br>ITB<br>ITC<br>SSGT<br>SSA<br>SSB<br>SSC | JERRY MORLEWSKI TED WOLLESEN JOHN HEENEY DEAN VOLTMER PEGGY KROM CAL CORTRIGHT JOHN BACON SCOTT MCNEIL RON MILLER RAY KROM | FIAT 124 — RED MINI COOPER — YELLOW DATSUN 280Z — YLW/WHT MUSTANG II — BLUE SCIROCCO — RED FORD FIESTA-ORANGE TRANS-AM — BLU/SIL DODGE SHELBY — RED CRX — BLACK VW GTI — SILVER | 1:20.77<br>1:21.29<br>1:27.15<br>1:30.76<br>1:30.10<br>1:33.59<br>1:27.46<br>1:28.84<br>1:27.98<br>1:28.31 |
| RACE 2  |  |   |  |
| FX<br>FV  | DAN BOLTON<br>KERRY BOWMAN   | EXFORD 002 - RED<br>CARACAL C - YELLOW  | 1:28.05<br>1:17.66   |
| RACE 3  |  |   |  |
| S2<br>SREN<br>EP<br>FP<br>GP<br>HP                                  | JOHN SCHERER DAN HANLEY JR. J. MIKE RYAN MARY WOLLESEN ERIK SKIRMANTS TONY MESSINA   | LOLA — RED RENAULT — WHT/ORANGE PORSCHE — BLACK MG MIDGET — BLACK PORSCHE — WHITE/MRN FIAT — RED  | 1:14.09<br>1:25.60<br>1:18.40<br>1:27.62<br>1:23.43<br>1:27.49   |
| RACE 4  |  |   |  |
| GT1<br>GT3  | DOUG BUIST<br>KEN NELSON   | CORVETTE - RD/BLK/SIL<br>OPEL MANTA - SILVER  | 1:15.40<br>1:19.33   |
| RACE 5  |  |   |  |
| FF<br>FFR<br>F4   | SCOTT MOORE<br>GREG WILKINSON<br>GRAEME BATES  | ZINK Z10 — RED/SLVR<br>TITAN 6 — BLUE<br>XPIT — BLACK   | 1:18.00<br>1:18.58<br>1:17.54  |

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## COSTERFORD DIGEST 11

#### SUNDAY CLASS RACES JULY 26-27, 1986 CLASS WINNERS

| CLASS  | DRIVER  | CAR   | BEST<br>LAP   |
|--|---|---|---|
| RACE 1                                       |   |   |   |
| GT4 GT5 ITS ITA ITB ITC SSX SSGT SSA SSB SSC | TERRY DUVALL  | FIREBIRD — BLACK<br>TRANS-AM — BLU/SIL  | 1:22.35<br>1:26.71<br>1:27.17<br>1:29.81<br>1:31.94<br>1:34.06<br>1:25.90<br>1:27.20<br>1:30.65<br>1:27.18<br>1:29.66 |
| RACE 2                                       |   |   |   |
| FX<br>FV                                     | DAN BOLTON<br>KERRY BOWMAN  | EXFORD 002 - RED<br>CARACAL C - YELLOW  | 1:28.25<br>1:18.00  |
| RACE 3                                       |   |   |   |
| CSR<br>SREN<br>EP<br>FP<br>GP<br>HP          | GREGG PALOMBO TOM KOZAK SKIP FROH JOHN KUBIAC ERIK SKIRMANTS TONY MESSINA | MERLYN MK11 — RED<br>SP RENAULT — RED<br>PORSCHE — BLUE<br>SPITFIRE — BLUE<br>PORSCHE — WHITE/MRN<br>FIAT — RED | 1:15.68<br>1:21.24<br>1:17.87<br>1:20.86<br>1:22.21<br>1:26.19  |
| RACE 4                                       |   |   |   |
| GT1<br>GT3                                   | DOUG BUIST<br>KEN NELSON  | CORVETTE - RD/BLK/SIL<br>OPEL MANTA - SILVER  | 1:15.31<br>1:19.19  |
| RACE 5                                       |   |   |   |
| FF<br>FFR<br>F4                              | LEWIS COOPER, JR.<br>GREG WILKINSON<br>GRAEME BATES                       | SWIFT DB1 — BLACK<br>TITAN 6 — BLUE<br>XPIT — BLACK   | 1:12.22<br>1:19.87<br>1:18.65   |

#### FEATURE RACES JULY 26-27, 1986

| POSITION<br>CLASS | DRIVER       | CAR                   | BEST    |
|-------------------|--------------|-----------------------|---------|
| FEATURE 1         |              |                       |         |
| 1-FV              | KERRY BOWMAN | CARACAL C - YELLOW    | 1:16.05 |
| 2-FV              | SCOTT KIEFER | CARACAL B - SILVER/BL | 1:17.39 |
| 3-FV              | STU DELANEY  | CALDWELL D-13 - RED   | 1:17.44 |
| 4-FV              | JAMES BOWMAN | LYNX C-BL/YLW/WH      | 1:18.30 |
| 5-FV              | KEN WINTERS  | CARACAL D-RED/WHITE   | 1:18.26 |
|                   |              |                       |         |

PAT NOWAK

#### **FEATURE 2**

1-GP

| 2-GP      | ERIK SKIRMANTS      | PORSCHE — WHITE/MRN   | 1:21.98 |
|-----------|---------------------|---|---------|
| 3-GP      | ROBERT ANDERSON     | SPITFIRE — RED  | 1:22.44 |
| 4-GP      | JOHN PAYNE          | MG MIDGET — SILVER  | 1:25.72 |
| 5-SSX     | TOM GOAD            | FIREBIRD — RED/SLV  | 1:25.67 |
| FEATURE 3 |                     |   |         |
| 1-GT1     | DAVE BUIST          | FIERO — SILVER MERLYN MK11 — RED PORSCHE — BLUE OPEL MANTA — SILVER PORSCHE — RED | 1:15.73 |
| 2-CSR     | GREGG PALOMBO       |   | 1:18.21 |
| 3-EP      | SKIP FROH           |   | 1:17.35 |
| 4-GT3     | KEN NELSON          |   | 1:20.24 |
| 5-EP      | JACK CHAMBERLIN     |   | 1:19.51 |
| FEATURE 4 |                     |   |         |
| 1-FF      | J. LEWIS COOPER III | SWIFT DB1 — BLACK   | 1:12.78 |
| 2-FF      | RON PHILLIPS        | VAN DEIMAN — BLUE/SLV   | 1:12.89 |
| 3-FF      | STEVE WAGLAND       | FERRET MK4 — GREEN  | 1:13.30 |
| 4-FF      | DON KITCH           | CROSSLE 32F — RED/YLW   | 1:14.12 |
| 5-FF      | ARTHUR KUHN         | VAN DIEMAN RF82-BLUE  | 1:14.20 |

SPRITE - BLACK

DON CASTLE

1:22.13











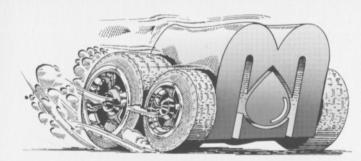




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PHOTOS BY DON CASTLE





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COSTERFORD DIGEST 21





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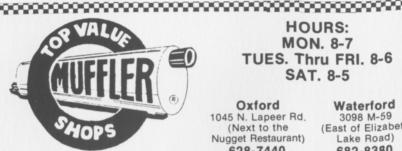


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COTTERFORD DIGEST 23



KARL RACENIS



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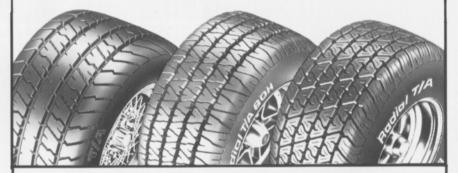
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## COSTERFORD DIGEST 27





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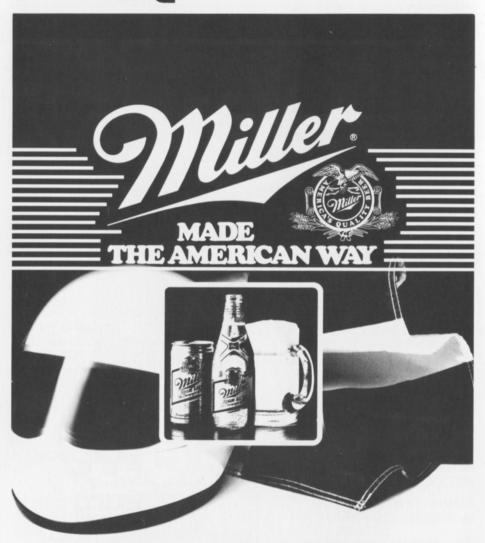
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## WATERFORD DIGEST 29

LOOking back with Bizer

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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<br>CSR<br>DSR<br>S/2<br>SREN<br>EP<br>FP<br>GP<br>HP<br>GT1<br>GT2<br>GT3<br>GT4 | Ed Murray Evan MacDonald Ed Murray Larry Campbell Dave Finch Lou Livengood Barry Hartzel Kirk Carlson Paul Cameron Don Sak  Craig Allen Jerry Morlewski Ted Wollesen            | Chevron M-2 Jeddi Lola SPT Renault Porsche 356 MG Midget MG Midget Sprite Corvette  Lotus Elan Fiat 124 Mini Cooper             | 1:10.9<br>1:10.5<br>1:12.8<br>1:11.5<br>1:21.3<br>1:16.3<br>1:16.2<br>1:17.0<br>1:20.4<br>1:13.2   | 9/85<br>9/79<br>6/84<br>6/80<br>7/78<br>8/81<br>7/78<br>5/86   |   |
| GT5 ITA ITB ITC ITS SSGT SSA SSB SSC **FA FC FF FFR F4 FV F440 **track reco          | Dean Voltmer Ray Krom Dave Vestrand John Heeney D.J. Fazckas Bill Bayley Ron Miller Ray Krom Andy Falbo Jay Novak Vince Muzzin Mark Davidson Stuart Lamont Lee McLeod Jay Novak | Mustang II Scirocco Fiesta Datsun 280Z Porsche Turbo Mustang Honda CRX SI VW-GTI March Novakar Royale Crossle 32 Xpit Lynx Epee | 1:30.9<br>1:28.8<br>1:32.6<br>1:26.2<br>1:22.7<br>1:26.2<br>1:27.0<br>1:28.8<br>1:06.1<br>1:09.3<br>1:09.4<br>1:17.0<br>1:12.5<br>1:15.7<br>1:14.8 | 5/86<br>9/85<br>8/85<br>5/86<br>5/86<br>6/85<br>5/86<br>5/86<br>8/83<br>9/84<br>6/78<br>5/84<br>7/83 |   |

### **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  |

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

#### SHOWROOM STOCK

| 33-G1 | 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**

| rr .   | Formula Ford — Cortina or Finto 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 |  |
| F/AILC | 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              |
| E440   |  |
| 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   |
|        | determines weight and transmission allowed   |

Formula Ford Costine or Dinto 4000 -- ----

vellow 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.

vellow



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

red



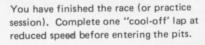
Waving red (displayed by the Starter only) means the race is stopped, slow down immediately and proceed around the track with extreme caution to the pit lane.

blue with diagonal yellow stripes



(Motionless) Another competitor is following you closely.

#### checkered

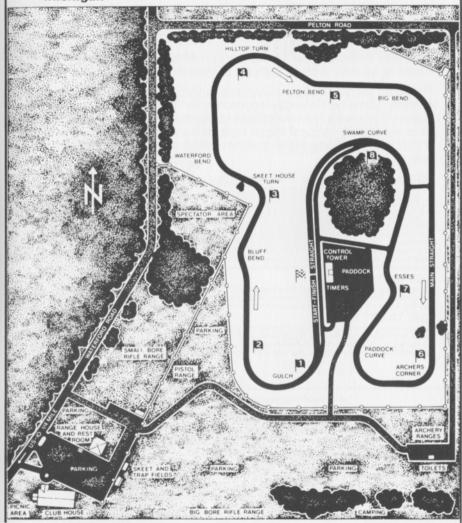




## WATERFORD DIGEST 35

### Waterford Hills Course Map

a 1.5 mile asphalt road course at waterford, michigan





### WATERFORD **CADIC**

### Waterford Hills 1986 Road Racing Calendar Schedule

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

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.

#### EASY ON THE WALLET

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

DOUG FEHAN

**BOB FEHAN** 

313/549-5410

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 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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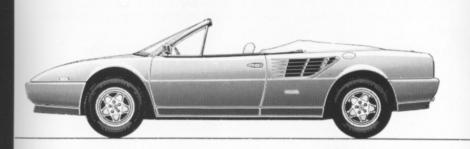
Royal Oak, Michigan 48073

#### THE WATERFORD DIGEST

### Now. . 3.2 Mondial Cabriolet

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.







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