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- May 12 13 May 26 27
- June 23 24 July 28 29
- August 25 26 September 29 30

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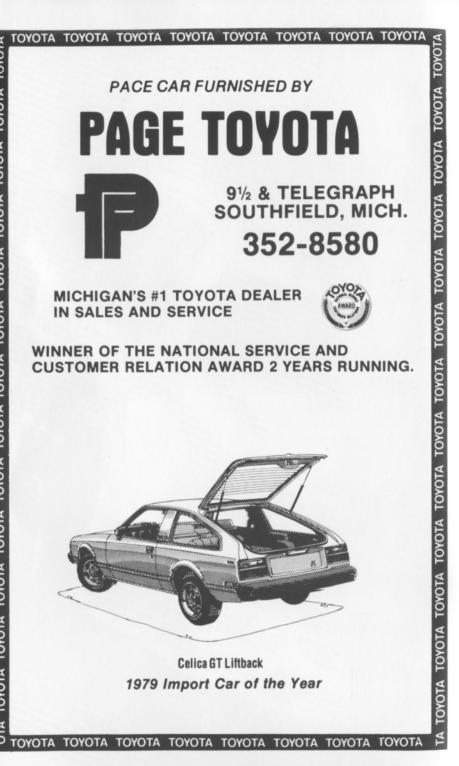
north of Pontiac on Waterford Road, ¼ mile east of Dixie Highway (U.S. 10) in Waterford, Michigan. The easiest route is to Chances are you live within a few minutes of the Midwest's premier road course. The W.H.R.R.I. Race Track is located just 6 miles Take Sashabaw south to Pelton Road, then take Pelton west to Waterford Road. The is 21/2 miles. total distance after exiting the expressway take I-75 to the southbound Sashabaw Exit.





TOYOTA TOYOTA





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staff

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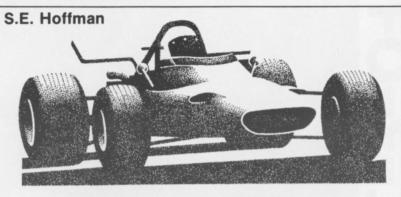
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the inside line



Welcome to Waterford Hills Road Racing!

Boy howdy! May's two race weekends got our 1979 racing season off to a super start with two new class records! Bob Schneider spent the winter season dropping a bigger engine into his Mallock U2 and promptly picked off the oldest record at Waterford! Bob now holds the ASR record at 1:11.1 by taking 1 and 7/10ths seconds off the 1972 time set by John Greenwood in a Lola.

Last year's SS/C duel continued between Larry Rehagen and Jim Davis. Jim showed off his new Vega by taking back the record, beating Larry's time by 9/10ths. So far Jim's ahead with the 1:31.9 but stay tuned, folks, that could change again this weekend!

Things are getting hot and heavy in some of the class races. The Formula Vee drivers are at it again, taking the competition to the fifth race before getting a repeat winner! Always exciting, the open-wheelers now have a potential nine car train when they get drafting and the difference between first and fifth can be a matter of a few feet!

BS is a huge class and only 1 of the 3 car Fiat team was here. A Pinto, Datsun, Opel, Capri, Fiat or Toyota are capable of winning and last year's BS champ, Claude Beauregard, has his work cut out for him if he can repeat. SCCA invader, Rick Dishaw, proved that his Opel can go and provided a real challenge to Byron Walker's Datsun!

Paul Nawrocki livened up EP with his hard-charging tactics. Vince Muzzin is a super driver to watch in FF. Brady, Carlson, Lesage and Reed made GP a group to watch. The Kubiac family are a circus in the paddock as they do a quick engine change on that Spitfire so that Dad can run FP and son can run GP.

All of the above add up to super race watching for all of you. Don't forget that the big numbers on the sides and deck indicate the driver's number of record for the race and the small letters (FV, GP, BS) show the class the car is running in. Using both you can find the driver on your entry list and be really knowledgeable about who is racing with whom!

Welcome back Radio Station WWWW! This Sunday is "W4 Day at the Races"! A very special thanks to Joe Urbiel. Program Director, and Bart Walsh, Station Manager, for all your help in arranging this super Sunday. Welcome all you W4 fans! Wave at the infield tower; that's where morning DJ Jim Johnson and his sidekick, George Baier (the man with the fantastic voices including Jackie Stewart) are coming to you from!

Do plan right now on joining us again this season; check the schedule on the back of this "digest". Right now, just sit back and enjoy some super racing with us!

Happy viewing!!

officials

oakland county sportmen's club president waterford hills road racing club president chief steward

assistant stewards

director of racing race coordinator timing and scoring

chief of flags chief of communications chief starter assistant starters

chief tech inspector chief paddock marshal chief pit lane marshal chief grid marshal assistant chief course marshal chief registrar membership chairman licensing chairman trophy chairman

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Erhard Motor Sales Inc. 32715 Grand River Farmington 477-6400 Bavarian Motor Village 24717 Gratiot East Detroit 772-8600 Including the initial purchase price of his car, Marc is happily racing for about \$2,138.00. You could certainly spend more, but if you already own a suitable car your start-up cost will be a fraction of his.

If you've always dreamed of taking the checkered flag, make plans now to attend our next driver's school in August. After conducting an extremely successful school in May, Joe Charette is returning to organize our August classes. You can get directly in touch with Joe by calling him at 526-2464.

How's our typical enthusiast doing? I think it's fair to say that the more experienced drivers in his class are definitely keeping an eye on the white Pinto with number 91 on the door. In his first two race weekends, Marc has already earned three First Place trophys, one Second Place, and two Thirds. That's excellent driving, but I still think the driver that could beat us all is up there in the bleachers somewhere.







10

On our left, we see what appears to be a family picnic. A Showroom Pinto is casually stuffed between a playpen and a barbeque grill. Totally relaxed, the driver is dozing off in the shade of his car. With a soft drink in one hand, his wife is lazily polishing his hood. After checking his tire pressure, his father puts a cassette in the tape player and pronounces the car ready to race.

Like a glamorous movie star, exotic racecars have a habit of being tempermental. As fragile as they are expensive, allout racers are best suited for those of us who are ready to sell our furniture for a new camshaft. Unwilling to replace their couches with orange crates, the Roblings began shopping for a Showroom Stock.

Almost every sports car and small sedan ever made falls into one of the three categories of Showroom Stock. Cars with similar performance are grouped together and designated SSA, SSB or SSC, depending on factors like weight, horsepower and handling. Marc decided to compete in SSC with a Pinto because they are inexpensive. reliable and plentiful. To be competitive, he knew he must locate a Pinto with a 2.3 litre engine, four-speed and low mileage. Heavy, power robbing options like air conditioning, automatic transmissions and power steering had to be avoided. He purchased a sturdy 1975 Pinto for \$1,300.00. A rollbar was installed for \$175.00, a five-point safety harness for \$50.00, and a fire extinguisher for \$16.00. Next, he purchased four new Uniroyal radials for \$260.00. Shaving their tread depth to improve traction and relieve heat cost \$24.00. Large, removable numbers were cut out of contact paper. Taping up the headlights and removing the license plates completed the painless conversion to Showroom racer.

To race at Waterford, Marc had to join the club and successfully complete the comprehensive drivers' school held in May. Total fees for club membership and tuition for drivers' school totalled \$110.00. Fortunately, the required physical examination was covered by his health insurance. To pass inspection, all drivers must be fully protected with fire resistant suit, underwear, socks, gloves and shoes. Marc's complete driver's suit package cost him \$125.00. His Snell approved helmet was \$78.00.

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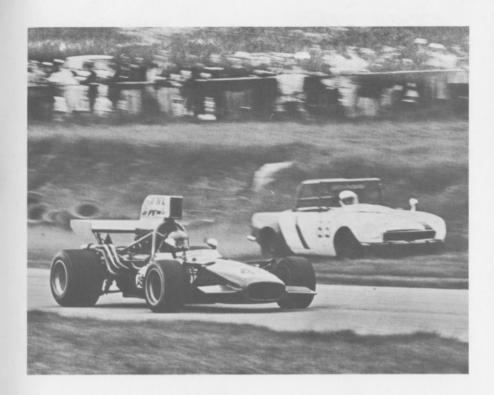


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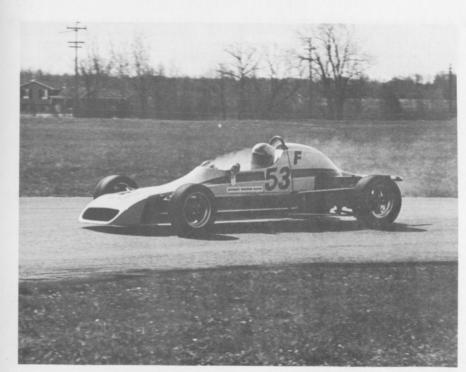
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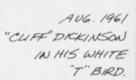
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JULY 1967 JERRY MORCEWSKI IN HIS MGA.





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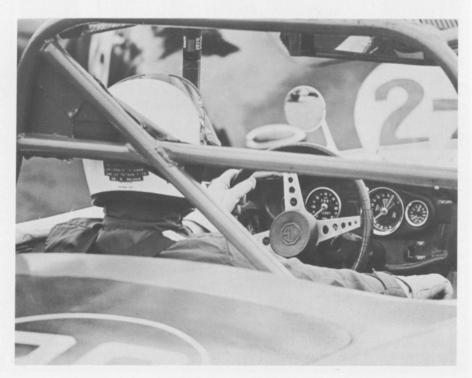
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MAY 1966

DANNY HAC DONALD

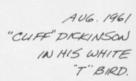
HELPS A WINNER

TAKE HIS

VICTORY LAP.



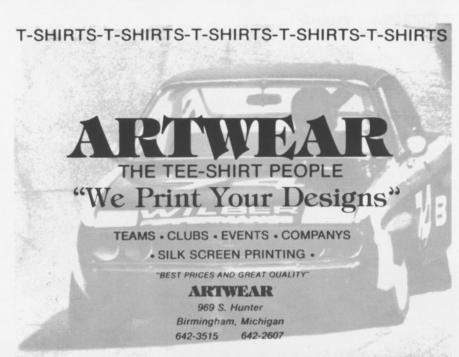
VULY 1967 VERRY MORCEWSKI IN HIS MGA.





AUG. 1961 JOE + SHIRL CHARETTE PREPARE FOR A VICTORY LAP.

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average lap speed chart

Min/Sec	MPH	Min/Sec	MPH	Min/Sec	MPH
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 BSR CSR DSR	John Greenwood Bob Schneider Evan MacDonald Don Clining	Lola Mallock U2 M - 2 Meister Honda	1:12.8 1:11.1 1:10.5 1:20.8	5/72 5/79 9/78 5/75
AP BP CP DP EP FP GP HP	John Greenwood Tim Clark Wayne Rogers Paul Prill Vic Skirmants Barry Hartzel Grant Brady Paul Cameron	Corvette Corvette Datsun 240Z Lotus Super 7 Porsche MG Midget Spitfire Sprite	1:16.3 1:14.7 1:19.4 1:18.5 1:16.5 1:16.2 1:18.9 1:20.4	9/72 9/78 8/78 9/76 6/76 7/78 9/78 7/78
AS BS CS SS/A SS/B SS/C FB FC FF FV F4 FSV **F/ALTC	Bill Wink III J. Byron Walker Gary Allott Lowell James Thad Gutowski, Jr. Jim Davis Lew Cooper Norm Kirnberger Vince Muzzin David Glenn Gordon Green Harold MacDonald Vince Muzzin	Camaro Datsun Mini Cooper Porsche Scirocco Vega Lola Brabham Royale Lynx P & G Lola T 324 March	1:16.9 1:17.9 1:21.0 1:30.0 1:29.6 1:31.9 1:09.1 1:13.6 1:09.4 1:16.9 1:16.8 1:09.7 1:06.7	9/78 7/77 6/76 6/77 9/76 5/79 7/73 8/73 6/78 8/74 6/74 6/76 5/75

**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 <u>General Competition Rulebook</u> (GCR). Waterford Hills Road Racing observes the GCR regulations with some minor exceptions.

The five competition classes are: Production (sports cars), Showroom Stock (sedans and sports cars with minimal modification), Sports Racing (highly modified engine and body over wheels), Sedan (enclosed cockpit passenger cars), and Formula (open wheels and single cockpit).

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

PRODUCTION

- AP Corvette (large block), Boss Mustang, Shelby Cobra 427
- BP Corvette (small block), Shelby Mustang, Porsche 911 series
- CP Datsun "Z" series, Lotus Elan, Porsche 914/6, Sunbeam Tiger
- DP Triumph GT 6, Triumph TR-6 and TR-7, Datsun 2000, Lotus Super 7, Yenko Stinger Corvair
- EP Porsche 356, Porsche 914, MGB, Opel GT, Triumph TR-3 and TR-4, Elva Courier
- FP Saab Sonnet, MG Midget Mk III and IV, Lotus Seven, Triumph Spitfire Mk III and IV and 1500
- GP MG Midget Mk I and II, Triumph Spitfire Mk I and II, MGA, Porsche Coupe, Austin Healey Sprite 1100, Fiat X-1/9, Fiat 124 Spider
- HP Austin Healey Sprite Mk I and II, Fiat 850, MG Midget 948, Fiat Abarth

SHOWROOM STOCK

- SSA Datsun 260Z and 280Z, Capri V-6, Mustang Cobra, Porsche 914, Cosworth Vega, BMW 2002
- SSB Dodge Colt, Mustang V-6, Opel Sedan, Volkswagen Scirocco and Rabbit, Capri 2300, Toyota Celica, Saab 99, Fiat 124 and 131
- SSC Pinto Stallion, AMC Pacer, Vega GT, Datsun 210, Fiat X-1/9, MG Midget, Honda Civic, Pontiac Astre, Renault R5

SPORTS RACING

- ASR Over 2000 cc
- BSR Over 1300 cc to 2000 cc
- CSR Over 850 cc to 1300 cc
- DSR Below 850 cc

SEDAN

- AS Camaro, Mustang, Pontiac Firebird, AMC Javelin
- BS Datsun 510, 610 and 710, Capri, Pinto, Fiat 124, Toyota, Opel Manta, Dodge Colt. Mazda R-X
- CS Austin Cooper S, Volkswagen Beetle, NSU TT, Datsun B-210

FORMULA

- FF Formula Ford Cortina or Pinto 1600 cc engine, strict weight to engine ratio, very equal cars
- FV Formula Vee all Volkswagen components, 1200 cc engine, only formula class where total legal weight includes driver's weight, very competitive class
- FSV Formula Super Vee Volkswagen 1600 cc engine, air-cooled (water-cooled with restrictions), rear wing allowed, popular with amateur drivers going professional in Mini-Indy Series
- FB Formula B 1100 cc to 1600 cc engines, more modifications allowed, rear wing allowed, not meant to be an inexpensive race car
- FC Formula C below 1100 cc engines, more modifications than FSV with less weight, rear wing optional, can be competitive with FSV
- F4 Formula Four Canadian class, motorcycle engine power plant, engine size determines weight and transmission allowed, competitive with FV

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, then stop at the Start/Finish line for consultation with the Chief Steward.

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



Stop immediately, clear the course as well as circumstances permit; the race has been stopped.

with diagonal yellow stripes



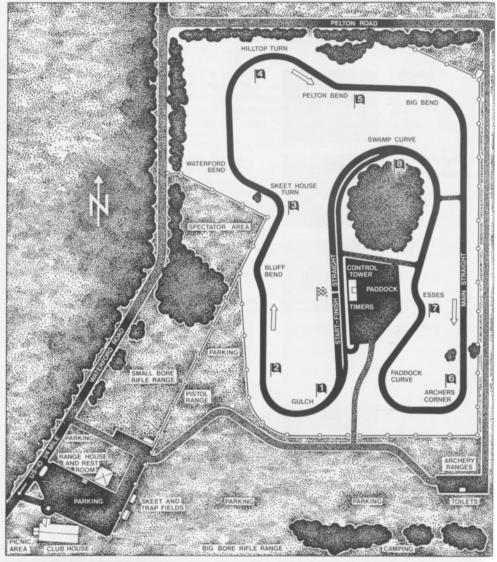
(Motionless) Another competitor is following you closely.

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





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