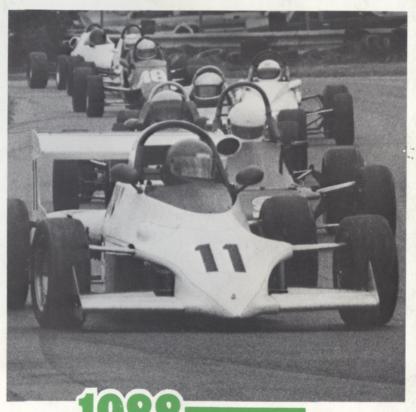


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# WATERFORD DIGEST



JON CASTLE

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### Staff

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DON CASTLE

Cover Photo by AL BIZER



### The Inside Line

September. Show Time. The Grand Finale of the 1988 season! Welcome to Waterford Hills Road Racing. Local lore has it that the September race weekend is the wildest one of the season as the drivers go all-out knowing that they have all winter to get ready for the next race. Well, you can probably chalk that one up to exuberant hyperbole because many of our drivers are looking forward to the SCCA runoffs in October and they certainly aren't interested in making any heavy repairs between now and then.

As for the rest of us, it ain't over 'till it's over and rough racing is slow racing. You don't score points sitting in the tire wall or on the bleachers. And points are important. Several of the 1988 class championships are undecided coming into this weekend. Competition for Top Ten Driver recognition is also extremely close. Most of the races you watch this weekend will determine some portion of the final standings for the season.

And what a season it has been! Michigan's second hottest summer ever has had a real impact on the racing program here at Waterford. First of all, spectator attendance has been down somewhat compared to recent years, an effect felt by most outdoor enterprises without a wave pool or water slides.

Competitors responded to the heat in a variety of ways in an effort to keep themselves, their engines, and their tires within safe operating temperature ranges. Several drivers sported brand new "cool suits," while others resorted to strange looking arrays of flaps, hoses and tubes to direct moving air (not to mention the odd bee) into the cockpit.

Similar arrangements were used to keep engines cool. Some drivers also found it necessary to make tuning adjustments, in effect sacrificing horsepower in order to make due with cooling systems rendered marginal by ambient air temperatures as high as 104°F. Yes! One Oh Four!

As far as adjusting tire pressures and keeping brakes cool, our drivers must have done something right. Nearly every race weekend saw one or more lap record tumble. All this harrying around in the heat took a

### WATERFORD DIGEST

toll on our newly paved track. Distinct ripples began to appear in several of the turns as early as June. Repairs were in place for the late July race meet and included patched pavement and FIA type curbs in several of the corners. None the less, the dreaded "marbles", little round balls of tar and dust encrusted gravel, reappeared, sending many normally tidy racers into the weeds.

Cool weather for the August meet made it clear that heat had been the major contributor to our track surface problems. Numerous lap records were set and there was no further deterioration of the pavement. What there was, though, was a tightening of the standings among drivers. And that brings us up to now. Competitive road racing. Every lap is important to each driver trying to nail down a class championship or a spot in the Top Ten. It should be exciting, so sit back and enjoy!

Have a safe and healthy winter. We hope to see you at our club display at Autorama in February 16-19 at Cobo Hall. You will be able to pick up information about next year's racing calendar. And we extend to you our most cordial invitation to come back next spring to help us kick off the 1989 season. Cal Cortright

### Officials.

President Don Burry Secretary Peter Quenet Vice President Ted Wollesen Director of Racing Jerry Morlewski

Race Coordinator Jim Vollmers

Chief Steward Barb Kitch Asst Chief Eddie Atkinson

Chief of Flags & Communications Bill Gibbs

Chief Registrar Carol Humphreys

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· CARS

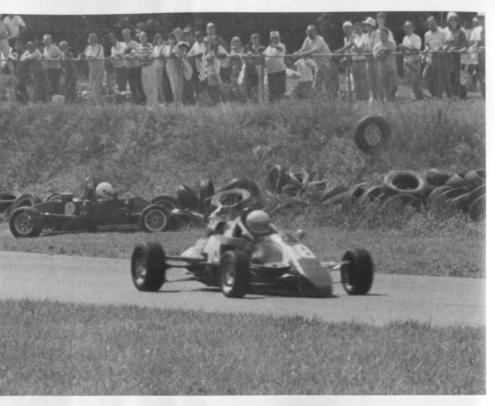
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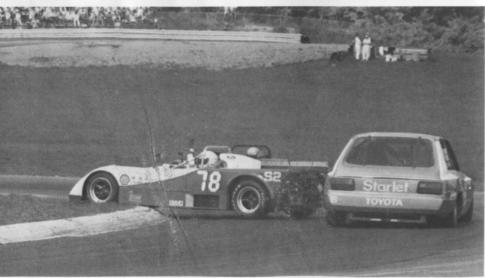
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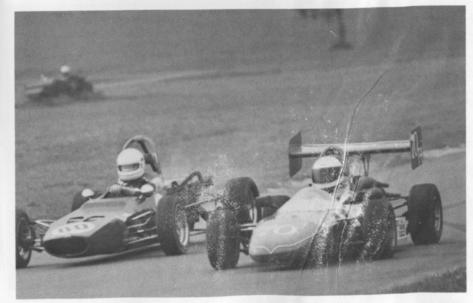


# WATERFORD DIGEST

DON CASTLE



AL BIZER



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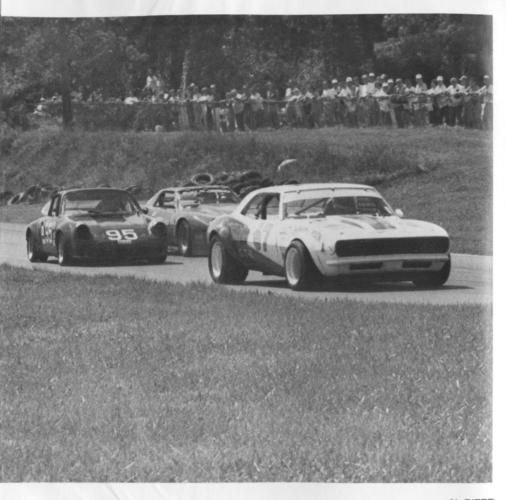
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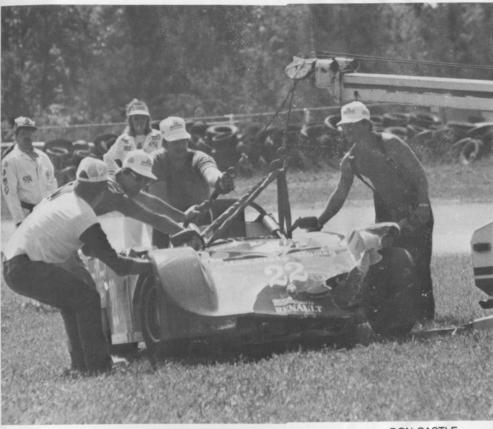
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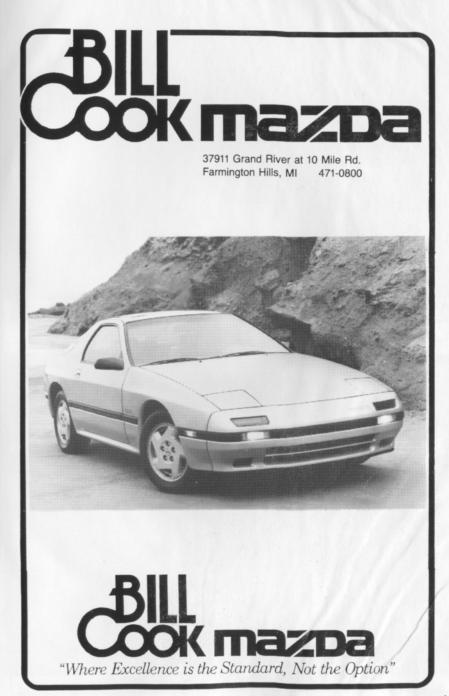
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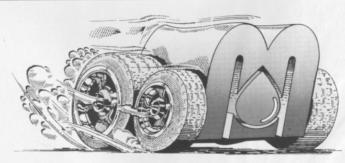




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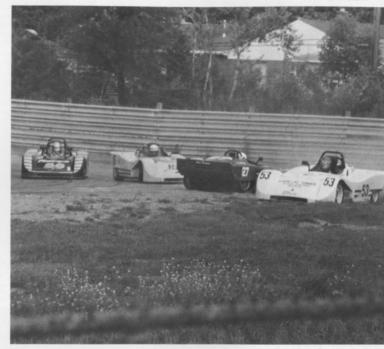


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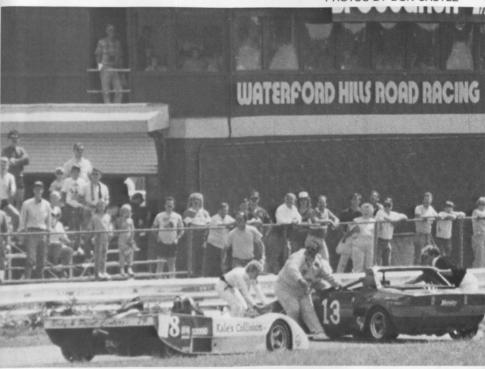
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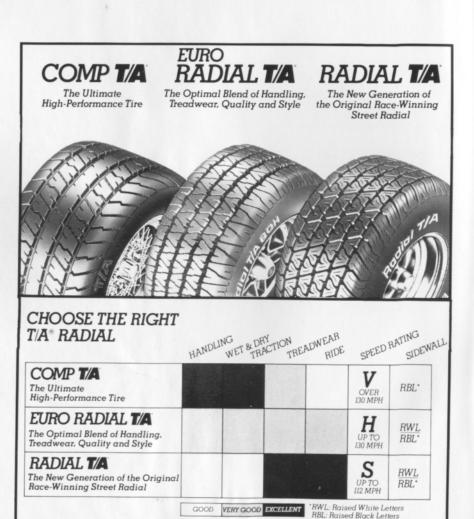
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Scotty Addison Sept.

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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

CLASS	DRIVER	CAR	DATE	LAP TIME
FA	ANDY FALBO	MARCH	8/83	1:06.10
FC	JAY NOVAK		9/84	1:09.30
FF	VINCE MUZZIN	ROYALE	6/78	1:09.40
CFF	DON KITCH	CROSSLE	7/87	1:12.30
FFR	MARK DAVIDSON	CROSSLE 32	5/84	1:17.00
F4	STUART LAMONT	XPIT	7/83	1:12.50
FV F440	LEE MCLEOD	LYNX	7/81	1:15.70
ASR	LARRY DUPUIS ED MURRAY	NOVAKAR	9/87	1:14.60
CSR	CRAIG BENNETT	CHEVRON	9/81	1:10.90
DSR	ED MURRAY	JEDDI	7/88	1:09.90
S2	LARRY CAMPBELL	LOLA	9/85 9/79	1:12.80
SREN	MIKE NEAL	SPT RENAULT	7/88	1:11.50 1:20.20
EP	LOU LIVENGOOD	PORSCHE 356	6/80	1:16.30
FP	BARRY HARTZEL	MG MIDGET	7/78	1:16.20
GP	KIRK CARLSON	MG MIDGET	8/81	1:17.00
HP	PAUL CAMERON	SPRITE	7/78	1:20.40
GT1	DON SAK	CORVETTE	5/86	1:13.20
GT2	R. A. ALBO	FIERO	5/88	1:29.29
GT3	CRAIG ALLEN	LOTUS ELAN	9/83	1:16.40
GT4	JERRY MORLEWSKI	FIAT 124	9/85	1:18.70
GT5	TED WOLLESEN	MINI COOPER	9/85	1:19.20
ITS	JOHN HEENEY	DATSUN 280Z	8/87	1:24.70
ITA	GREG MANKIN	MAZDA RX2	9/87	1:27.70
ITB	MIKE JONES	MUSTANG	7/88	1:25.80
ITC	CAL CORTRIGHT	FIESTA	7/88	1:27.70
RCUP	CHUCK LITTLE	RENAULT ENCORE	7/85	1:29.20
SSGT	BOBBY FEHAN	CORVETTE	8/86	1:21.60
SSA	SCOTT MCNEIL	DODGE SHELBY	7/87	1:26.00
SSB	MIKE MIEMAR	DODGE SHELBY	7/88	1:26.60
SSC	RAY KROM	VW-GTI	7/88	1:26.60

### 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 (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

### 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
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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

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	Onel 1900 Dateur 510 1800 Mustang 2300 Pinto 2000 & 2300 Cogworth 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, Fiat 124

GT-5 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
E/ATI C	Formula Atlantia - choice of angines in over 1100 as up to 10000

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 the F/CNTL modifications of the previous Formula C and Formula Super Vee classes

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

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/Fipish 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



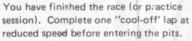
Waving red (displayed by the Starter only) means the race is stopped, slow down immediately and proceed around the track with extreme caution to the pit lane.

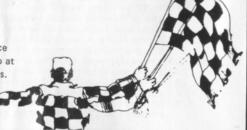
### blue with diagonal yellow stripes



(Motionless) Another competitor is following you closely.

### checkered

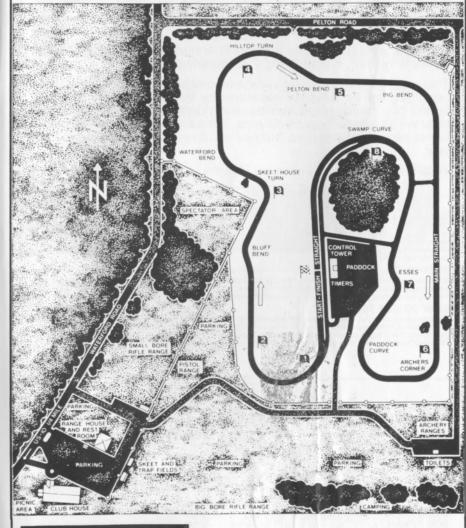




### **WATERFORD DIGEST**

### Waterford Hills Course Map

a 1.5 mile asphalt road course at waterford, michigan





### Waterford Hills 1988 Road Racing Calendar Schedule

Race 1 May 28-29 Race 4 July 30-31 Race 2 June 25-26 Race 5 Aug. 27-28 Race 3 July 9-10 Race 6 Sept. 24-25

Mark your calendar now for the Fourth Annual Meadowbrook Historic Races to be held August 6 and 7 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. 6-7

### **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 1988 we've assembled the largest field in our 30 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 MGs. 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.

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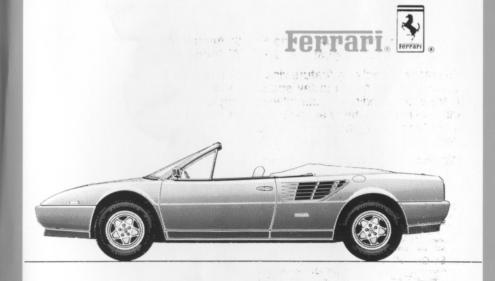
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### THE WATERFORD DIGEST

Published by Waterford Hills Racing Inc., 1988

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