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WATERFORD DIGEST

DON CASTLE



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DON CASTLE KARL RACENIS

Cover Photo by AL BIZER



The Inside Line

As I sit here writing the Inside Line on the Fourth of July, in order to make my deadline — I'm listening to the "Battle Hymn of the Republic" and watching the Statue of Liberty celebration. Impressive isn't a strong enough word to describe it and I keep wiping away the tears.

What a glorious place we live. It's a country where we are free to be whatever we want to be — a writer like me or a race car driver like those who race here at Waterford Hills.

A few weeks ago, the day before the Grand Prix started, I happened to be on a plane flying into Detroit. I sat next to a young man from New Zealand who was a motorsports fan. A driver himself, at his "local speedway", he was very excited about our world class racing event and was collecting everything he could about the race. I invited him to a Waterford weekend if he could make it during his 8-10 week stay in the area. He said they can't get much televised coverage of motorsports in his country — rarely see a whole televised race. Only occasionally do they have any national or international events anywhere in the country — though they do host an annual international pro-rally event.

New Zealand is not a suppressed country — and is itself a nice place to live. But it doesn't begin to compare with all that we Americans can lay claim to. It illustrates how lucky we are in the U.S. — to follow our dreams — whether it be in our careers or our hobbies. We are free to love life the way we want to love it.

Our sponsors for the July races are B.F. Goodrich and Autofab. WHR-RI thanks them for their interest and support.

WATERFORD DIGEST 3

On behalf of WHRRI, I welcome you to Waterford Hills this weekend. I hope you enjoy your time with us and come back again next weekend, Aug. 2 and 3, to celebrate the history of motorsports at the Meadow Brook Historic Races. They might not bring the tears to yours eyes that Miss Liberty does, but it might bring back a few memories and it's quaranteed to be a good time.

Sherry Harrington

AL BIZER



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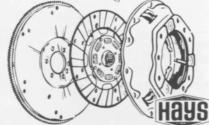
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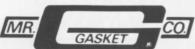












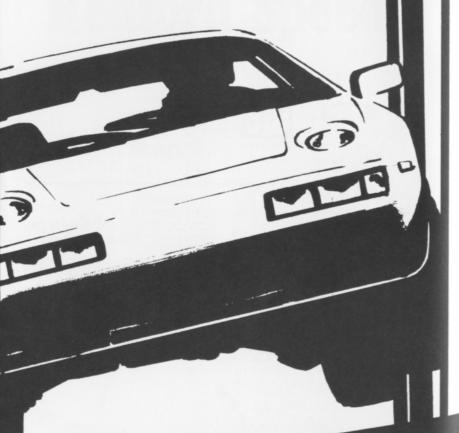


WATERFORD DIGEST





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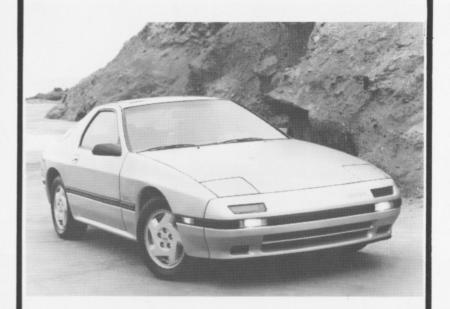


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TOP TEN DRIVER COMPETITION STRONG

As the racing season is half completed, the competition for top ten driver intensifies. Ray Krom of Plymouth has a strong lead with 75 earned points. He is followed by Greg Wilkinson of London, Ont., and Pat Nowak of Ann Arbor, who are tied with 65 points. Tom Shaver of Livonia is just behind them with 64 points. The top 25 drivers are:

1	Ray Krom	75
2		65
_	Pat Nowak	
1		65
	Tom Shaver	64
	Michael Neal	61
6	- 33)	56
	Kerry Bowman	56
8	Jerry Morlewski	55
9	Ron Miller	54
	Skip Froh	54
11	Ted Wollesen	52
	Cal Cortright	51
	Dwight Woodbridge	51
14	James Vollmers	48
	Jeff Ervin	46
	Terry Richards	45
10	Lewis Cooper Jr.	
10		45
	Doug Buist	39
	Tom Kozak	37
	Dan O'Conner	36
	Don Kitch	35
22	Jim Lockwood	34
23	Scott Kiefer	32
	Scott McNeil	32
	Dean Voltmer	32
		02

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PHOTOS BY DON CASTLE











COTTERFORD DIGEST 13





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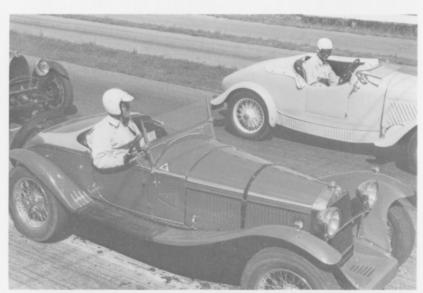
MEADOW BROOK HISTORIC RACES: A Touch of the Past at Waterford Hills

by Sherry Harrington Feature Editor

The hills may not be alive with the sound of music next weekend, but they will be filled with the sounds of the engines of vintage and historic race cars when the second annual Meadow Brook Historic Races come to the Waterford Hills Road Racing, Inc. Race Track on Aug. 2 and 3.

It will be the streets of Clarkston that are filled with the sound of music — both Friday night, Aug. I, for its mini-concours of historic race and street cars, and on Saturday morning, Aug. 2, for its Festival of Cars Parade. Township officials have scheduled some of the township's sesquicentennial festivities around the Meadow Brook Historic Races. Friday's activities will be from 6-9 P.M., at Village Park, Main and Depot Streets, in downtown Clarkston. The Saturday parade will begin at 10 A.M., at the junior high school and will continue through downtown Clarkston, as well.

The Meadow Brook Historic Races are sponsored by GMC Truck. Competitors will be coming from all over the country, from the east coast to the west coast. Cars will range from before World War II to as late as 1967. There may also be some later model sports cars that are in the "special interest" category.



WATERFORD DIGEST

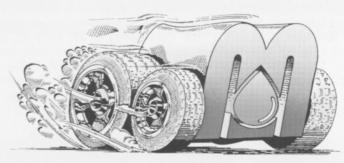
Both Saturday and Sunday are spectator events. The schedules are:

Saturday, Aug. 2:

10 to 11 a.m. Parade, Main Street, Clarkston 10 a.m. to noon Practice sessions at the track
noon to 1 p.m Marque parade and touring sessions
1 to 3 p.m Qualifying sessions
3 to 3:30 p.m Touring sessions
3:30 to 6 p.m Races
6 p.m WHYT-Volkswagen Free Car Drawing and
Mini-Go-Kart Race

Sunday, Aug. 3:

10 to 11 a.m Warm-up sessions
11 a.m. to noon Races
noon to 1 p.m Marque parade and touring sessions
1 to 3 p.m
3 to 3:30 p.m Touring sessions
4 to 5:30 p.m



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Included in the Saturday afternoon competition will be the Volkswagen Media Challenge. The two races will be five to ten laps in length. One will feature national media drivers and the second will feature local media drivers.

National media will include: Csaba Csere of Car and Driver Magazine, John Dinkel of Road and Track Magazine, C. Van Tune of VW and Porsch, John Stein of Automobile Magazine and Jack Seamonds of U.S. News and World Report.

Local media will include: Nickie McWhirter of the Detroit Free Press. Gene Taylor of WXYZ-TV, Gary Cubberly of WJBK-TV, Barbara Mc-Clellan of the Detroit News and J.P. McCarthy of WJR-Radio.

These media races proved to be very exciting at the first Meadow Brook Historic Races and should be again this year, as several of the drivers have attended drivers schools and become "experienced race car drivers".

The last event of the day on Saturday will be mini-go-kart races sponsored by WHYT Radio and Volkswagen. WHYT will be running a promotion prior to the races. Participants will enter a contest at Volkswagen dealerships. The radio station will give 96 winners an automobile key and tickets to the races. These 96 wwinners will have the chance to try their key in the glove box of a 1986 VW Golf on display in the spectator area at the race track. Eight of the keys will fit. Only one will start the car, however, and that person is the lucky winner of the car. The seven runners-up will have the opportunity of becoming race car drivers for a race against one of the WHYT disc-jockeys in three- lap competition concluding the day's activities. Listen to WHYT for details.



WATERFORD DIGEST "

Plan to join us for a weekend of excitement, both in Clarkston and at Waterford Hills Race Track. You might also want to attend the Concours d'Elegance which will take place at Meadow Brook Hall on the campus of Oakland University in Rochester. This sixth annual fundraiser, benefitting Meadow Brook Hall, will feature vintage and historic automobiles from all over the world on the rolling grounds of the hall.





DON CASTLE



WE'RE BACK!

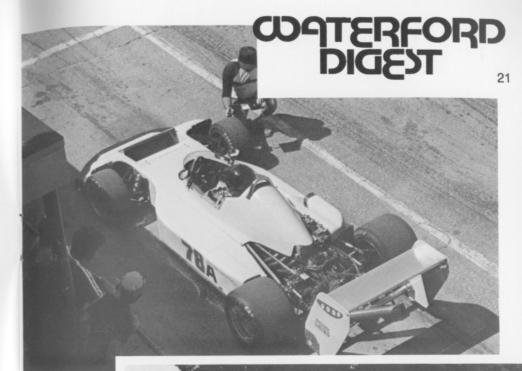
1985 THE CHAMPIONSHIP SEASON • IMSA CAMEL GTO: CHAMPION JOHN JONES, MOTOR CRAFT FORD MUSTANG — FORD WINS: 14 OUT OF 17 RACES — 12 POLE POSITIONS — 13 FASTEST RACE LAPS — MANUFACTURERS' CHAMPIONSHIP • NASCAR WINSTON CUP: FORD WINS: 14 OF 28 RACES — BILL ELLIOTT, COORS/MELLING FORD THUNDERBIRD: RECORD 11 NASCAR SUPERSPEEDWAY WINS — 11 POLE POSITIONS — ELJER DRIVER-OF-THE-YEAR AWARD — VOTED NASCAR'S MOST POPULAR DRIVER — ALL-TIME SEASON EARNINGS RECORD OF \$2,383,186 — WORLD STOCK CAR QUALIFYING RECORD AT 209.398 MPH — WORLD RECORD FOR 500-MILE RACE AVERAGE SPEED AT 186.288 MPH • NHRA PRO STOCK: SIXTH-TIME CHAMPION BOB GLIDDEN, CHIEF AUTO PARTS FORD THUNDERBIRD — WINNER 5 OF 13 NHRA EVENTS — TOP QUALIFIER 10 TIMES — SET NHRA NATIONAL PRO STOCK RECORDS FOR TOP SPEED (186.87 MPH) AND ELAPSED TIME (7.49 SECONDS) — 4 ELAPSED TIME TRACK RECORDS — 2 TOP SPEED TRACK RECORDS • LYN ST. JAMES, FORD MUSTANG PROBE: FASTEST WOMAN IN RACE HISTORY ON A CLOSED COURSE AT 204.233 MPH — SET 13 NATIONAL AND INTERNATIONAL SPEED RECORDS • NASCAR WINSTON CUP ROOKIE OF THE YEAR: KENNY SCHRADER, SUNNY KING FORD THUNDERBIRD • SCORE/HDRA OFF-ROAD CHAMPIONSHIP: CLASS 7 CHAMPION MANNY ESQUERRA, CHIEF AUTO PARTS FORD RANGER — WINNER 5 OUT OF 10 EVENTS — OFF-ROAD RACING "TRIPLE CROWN" WINNER FOR SECOND TIME — FIFTH CLASS 7 CHAMPIONSHIP IN 6 YEARS • NHRA FUNNY CAR: CHAMPION KENNY BERNSTEIN, BUDWEISER KING/MOTORCRAFT FORD TEMPO — WINNER 6 OF 13 NHRA EVENTS — TOP QUALIFIER 6 TIMES — 5 ELAPSED TIME TRACK RECORDS — SET NHRA ELAPSED TIME NATIONAL FUNNY CAR RECORD (5.569 SECONDS)

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COSTERFORD DIGEST 23





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WATERFORD DIGEST 27





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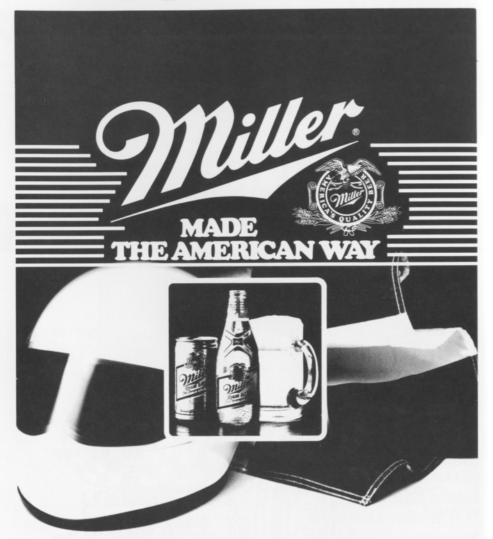
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Average Lap Speed

Min/Sec	MPH	Min/Sec	MPH	Min/Sec	MPH	
1:00	85.326	1:15	68.261	1:30	56.884	
1:00	83.927	1:16	67.363	1:31	56.259	
1:02	82.574	1:17	66.488	1:32	55.647	
1:02	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	
1.17	00.100					

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/2 SREN EP FP GP HP GT1 GT2 GT3	Ed Murray Evan MacDonald Ed Murray Larry Campbell Dave Finch Lou Livengood Barry Hartzel Kirk Carlson Paul Cameron Don Sak Craig Allen	Chevron M-2 Jeddi Lola SPT Renault Porsche 356 MG Midget MG Midget Sprite Corvette Lotus Elan	1:10.9 1:10.5 1:12.8 1:11.5 1:21.3 1:16.3 1:16.2 1:17.0 1:20.4 1:13.2	9/81 9/78 9/85 9/79 6/84 6/80 7/78 8/81 7/78 5/86	
GT4 GT5	Jerry Morlewski Ted Wollesen	Fiat 124 Mini Cooper	1:19.2	9/85	
ITA	Dean Voltmer	Mustang II	1:30.9	5/86 9/85	
ITB	Ray Krom Dave Vestrand	Scirocco Fiesta	1:28.8 1:32.6	8/85	
ITC 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 8/83	
**FA	Andy Falbo	March	1:09.3	9/84	
FC	Jay Novak	Novakar Royale	1:09.4	6/78	
FF FFR	Vince Muzzin Mark Davidson	Crossle 32	1:17.0	5/84	
F4	Stuart Lamont	Xpit	1:12.5	7/83	
FV FV	Lee McLeod	Lynx	1:15.7	7/81	
F440	Jay Novak	Epee	1:14.8	9/85	
	**track record				

WATERFORD DIGEST 3

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
. 440	suspension, wings permitted
EA	
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



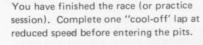
Waving red (displayed by the Starter only) means the race is stopped, slow down immediately and proceed around the track with extreme caution to the pit lane.

blue with diagonal yellow stripes



(Motionless) Another competitor is following you closely.

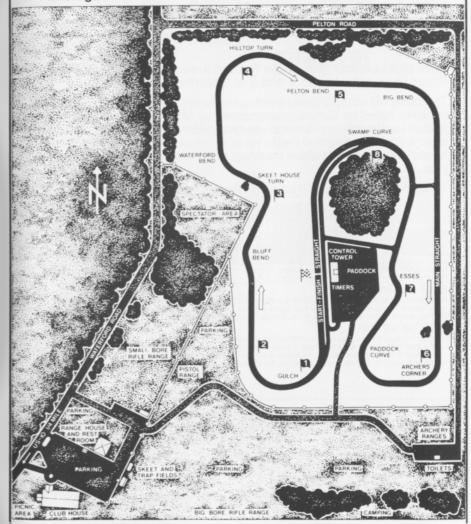
checkered





Waterford Hills Course Map 35

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.

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

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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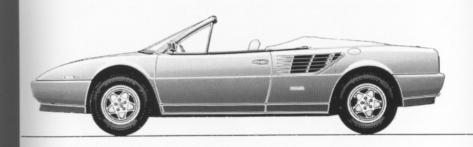
THE WATERFORD DIGEST

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