

SPRING SPRINTS

MAY \$1.00

RACING RAIN OR SHINE

The peaceful hills of Waterford are being invaded. with a thundering army of sports cars, sedans and formula cars in fierce, wheel to wheel competition. and for 1982, we've assembled the largest field in our 24 year history! Watch over 130 top drivers battle it out in the finest racfighting 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. ing machinery from American and Europe. Corvette. Porsche. Datsun. Everything from Capris to Camaros, McLarens to MGs. All together,

WATERFORD HILLS 1981 ROAD RACING CALENDER • MAY 8 - 9

EASY TO GET TO

MAY 29 - 30

JUNE 26 -27 **AUGUST 28 - 29**

JULY 24 - 25

SEPT. 25 - 26

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 is to take 1-75 to the southbound Sashabaw Exit. Take Sashabaw south to Pelton Road, then take Pelton west to Waterford Road. 2½ miles. The total distance after exiting the expressway

GREAT SOUNDS

EASY ON THE WALLET

Admission is just \$2.50 for Saturday, \$4.00 for Sunday, or \$5.50 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.

IN THE HILLS

1982 Published by Waterford Hills Road Racing inc. TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA

PACE CAR FURNISHED BY

PAGE 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 4 YEARS RUNNING**

FINE SELECTION OF USED IMPORT & DOMESTIC ECONOMY CARS



THE PRIX-RACE FAVORITE— THE TOYOTA CELICA SUPRA.

TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA TOYOTA



photo by al bizer

contents

- the inside line
- 3. officials
- 14. top ten drivers
- looking back with bizer
- average lap speed chart
- class records
- racing classes
- 27. flags
- course map
- racing schedule

staff

feature editor advertising director jerry morlewski art director production staff brenda riley photographers

publisher s.e. hoffman peter quenet dan hill al bizer john gacioch john j. willyard joe costa

cover photo al bizer

the inside line



New race season - new look! There have certainly been some changes made as we welcome all of our race fans to the 24th season of racing with these May Sprints!

The new race tower in the infield is not only attractive, but it also gives our volunteer race workers some much needed extra space! Did you know that most of it went up in two days -thanks to the dedicated help of our club members under the direction of a professional carpenter or two?! That's really what our race club is all about! Waterford Hills is a club of enthusiastic members dedicated to the sport of amateur sports car racing. A non-profit corporation, we rely on our members to do what we can't afford to hire.

Many other jobs were done that are not so obvious. The guardrail through the first three turns and in the esses was repaired and the tire wall restacked. Track repairs of the minimal winter damage were made. An overall sprucing up of the paddock and spectator areas was done. All of this was accomplished with virtually no cooperation from Mother Nature! We are in great shape as we start this new race season!

We welcome back many competitors from previous years; some will be in new cars so be sure to use the entry lists in your **digest** to find your favorites. Our rookie competitors from the very successful April competition driving school will be making their racing debuts this May. You can spot them by the day-glo orange triangles they sport in the rear of their race cars. That triangle tells our veteran drivers, "Nervous novice, so take care when passing", and protects both competitors. After all, every veteran ran with a triangle once!

A short reminder that the big numbers on the sides and decks of the race cars are the drivers number of record and

you can find him on the entry list with it. The small letters (EP, GT 2, FV) indicate which class the car competes in. That's important as we run several classes together and explains why more than one car will take a victory lap with the checkered flag.

We have some very special treats in store for our spectator fans this season. Included are appearances by several corporations involved with motorsport and street car production. Special parades by area marque or sports car clubs are scheduled for Saturday and Sunday race breaks and surprise visits by some celebrity race fans are in the offing.

Plan right now to join us for the full race season. Check the schedule on the back of this **digest** and bring your friends for a fun - filled weekend! In the meantime, sit back, relax and enjoy the May Sprints with us.

director of racing

race coordinators

trophy chairman

la boutique

Happy viewing!!

officials

oakland county sportsmen's club president waterford hills road racing club president chief steward stewards committee

art miracle jim mcintosh john morris dan macdonald don clining tim evans bill hallandal peter quenet mike white dena hallandal sue bogart dennis whitehead anne roeske chris syfert sue hoffman chris maurer

hal goff tony kunert bruce penbarthy nancy waggoner jim vollmers jan evans jerry shiloff judy davis lynda gale pat prato



689-4940

PIRELLI, MICHELIN & KLEBER TIRES

COMPLETE REPAIR SERVICE



- MERCEDES BENZ
- PORSCHE
- VOLKSWAGEN
- AUDI
- B-M-W

1725 E MAPLE RD (15 MILE) TROY 1 BLOCK EAST OF 1-75

25 MPG AND

While the BMW 320i (with standard transmission) complies brilliantly with fuel-efficiency regulations. delivering [25] EPA estimated miles per gallon, 36 estimated highway mileage and, based on these figures, an estimated mpg range of [383] miles and a highway range of 551 miles, its extraordinary performance remains uncompromised.

highway mileage and highway range will most likely be lower.

If the notion of a fuel-efficient car that's fun to drive intrigues you, call your nearest BMW dealer to arrange for a thorough

(Naturally our fuel eff ciency figures are for comparison purposes only. Your actual mile age and range may vary, depending on speed.



ERHARD MOTOR SALES INC.

32715 Grand River • Farmington • 477-6400 24130 Telegraph Rd. at 91/2 Mile . Southfield . 352-6031





Goodyear Eagle NCT-GT We Beat Any Deal

B.F. Goodrich Radial T/A's Michelin TRX

8-8 Daily 8-5 Sat.

13 Mile & John R Madison Heights 585-6353

6477 Highland Rd. Pontiac, Mich.

14 Mile-3 Blks. E. of Coolidge Royal Oak 280-0202

REDFORD SPEED

Of Special Interest

SIDEMOUNT HEADERS

ROLL BARS KONI SHOCKS

SWAY BARS **DRIVING LIGHTS**

COMP. SEAT BELTS AND HARNESSES



STEWART-WARNER INSTRUMENTS & FUEL PUMPS

532-2050 or 532-6223

26486 GRAND RIVER

Other Necessities

GENERAL KINETICS RACING CAMS

LAKEWOOD

HOLLEY CARBS

TRANS AM OIL PANS

RACING OIL

HOOKER HEADERS

MALLORY & ACCEL **IGNITION SYSTEMS**

10-8 Mon-Fri 10-6 Sat



FOR

PORSCHE

PEUGEOT

(313) 294-1700

SAAB

CIBIE MARCHAL **PARISTHONE** RENAULT

Manufacturers of Quality Automotive Performance Lighting Products And Electrical Components

St. Clair Shores, Mi. 48082

New, Used reproduction Parts and Accessories Custom Paint and Body Repair

HI-TEH AUTOMOTIVE

design and fabrication

4712 Fernlee

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

BOJAX

DOUG FEHAN **BOB FEHAN**





313/549-5410













photo by john gacioch











photo by al bizer











1981 top ten drivers





lee mcleod



mike white detroit, michigan







ken nelson canton, michigan

clarkston, michigan

dennis hamilton dearborn heights, mi







ferndale, michigan



ross becker utica, michigan







ron mcconkey milford, michigan









jon craig horgas west bloomfield, mi



jerry morlewski detroit, michigan



HIGH TECH RADIALS

BFGoodrich

The Radial Born of High Technology.

Designed For The Driver That Demands The Most From His Tires.







T/A°60



T/A°50

The Street Radial Designed To Win At The Track.



All-Terrain TA



Mud-Terrain TA

Sport Truck T/A"

The first radial light truck tire specifically engineered for on or off-road use.

BFGOODRICH

2330 S. Dort Hwy. Flint, Mi 48507 232-0168 **BFGOODRICH**

28501 Dequindre Madison Hgts., MI 48071 **543-4260** **BFGOODRICH**

15150 Michigan Ave. Dearborn, MI 48126 **581-6900**

We accept M/C, Visa, Diners, American Express Carte Blanche



RF/VAX

CENTRAL



2610 north woodward avenue royal oak, michigan 48073 phone: (313) 549-4404



RE/MAX STANDS FOR REAL ESTATE MAXIMUMS. THIS MEANS MAXIMUM SERVICE AND MAXIMUM ASSISTANCE-FOR INFORMATION ON VACATION TIME SHARING OR FOR A COMPLIMENTARY MARKET ANALYSIS OF YOUR PRESENT HOME, CALL:

Pete Wickenden Res. 542-4365 Off. 549-4404 Phil Blagdurn Res. 548-2941 Off. 549-4404

Crankshaft Craftsman 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

BOB OWENS



NISSAN

DATSUN

5436 JACKSON RD. ANN ARBOR 995-9502



Quartz Lighting ANSA HELLA

> Suspension KONI

KYB

Exhaust Systems CIBIE

> Seating RECARO

Sports Car Apparel **Stewart Warner Instruments** Racing Equipment

BELL YANKEE

Rollbars Air Dams

Vast Selection

World's Finest Manufacturers Import Auto Adornments For The Discriminating Driver



(313) 542-6150

FOREIGN AUTOMOTIVE SUPPLY, LTD. PARTS FOR ALL IMPORTS

HOURS: MON.-FRI. 8:30-7:00 SAT. 9-5

380 W. 11 MILE RD. (5 BLKS. EAST OF THE I-75) MADISON HEIGHTS, MI 48071

Foreign Car **Specialists**



AUTOMETRIC BODY SHOPS

Expert Collision & Paint Service American .. Import

818 N. Main Royal Oak, MI 398-0200

8645 E. 10 Mile Centerline, MI 757-7491

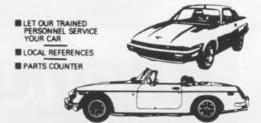
774-3455

24465 Gratiot East Detroit, MI



IMPORTED CAR SERVICE CO.

Call 293-5566 31529 UTICA RD., FRASER **BET. 13 & 14 MILE**



THINK WINK

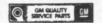
CARS & **TRUCKS**



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"



AUTO SUPPLY

SPECIALISTS IN ALL PHASES OF

HIGH PERFORMANCE WORK

COMPLETE LINE OF BRAND NAME & **CUSTOM PARTS & ACCESSORIES**

COMPLETE MACHINE SHOP

• ENGINE BLUEPRINTING • BALANCING (ALL WORK DONE IN OUR OWN SHOP)

SOUTHFIELD

355-2288

26700 W. 8 MILE RD.





OPEN 6 DAYS A WEEK — CLOSED SUNDAY





Engineered to Excite.

GTV 6/2.5 Coupé

Feel the excitement of driving the car Road & Track called "the best Sports GT for the 80's," the Alfa Romeo GTV 6 Coupé. The most powerful car Alfa Romeo has ever sold in the United States. Road & Track summed up the GTV 6 thusly, "No twist, no wiggle, no rattles, no bad habits. Real quality."

Feel the history. Feel the excitement. Test drive the Alfa Romeo GTV 6 today.

See the Alfa Romeo GTV 6/2.5 Coupé and Spider Veloce at: Alfa Romeo 📢



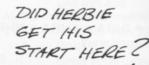
The Sports Car Elchange

MICHIGAN'S EXCLUSIVE AUTHORIZED AGENT FOR FERRARI, MASERATI AND ALFA ROMEO 14510 MICHIGAN AVE. DEARBORN, MICHIGAN 313-581-6222

LOOking back with Bizer

PADDOCK SCENES VUNE 1960

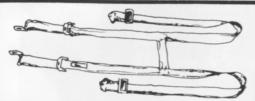




R.J.S. SAFETY EQUIPMENT

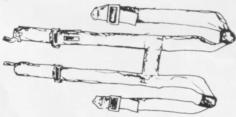
(Formerly Bob's Safety Equipment)

23506 John R. Rd. Hazel Park, Mi. 48030 (313) 548 - 5727



2" SHOULDER HARNESS

Meets new SCCA mandatory safety requirements for all competition cars. To install, you must have new "H Type" floor mount harness. 2" style.



3" SHOULDER HARNESS/SPRING

New "H Type", floor mount harness, 3" style.



50502 3" LAP BELTS

4130 chromoly aircraft material used in all hardware for maximum strength. Features no side adjusters to rub hips. Instead, they are connected and contained in the main buckle unit, one on each side. Adjustable 18" to 60", with special tension springs kits also available.



HI-TOP SHOES, White, Fully Nomex, Inside and Out.



ORANGE NOMEX GLOVES

White or orange.

- NOMEX UNDERWEAR
- NOMEX SOCKS
- **NOMEX BANDANA**
- NOMEX RACE HOODS, 2-Layers, Eye Opening or Open Face.
- NOMEX DRIVING SUITS, Custom Made, 1-Layer or 2-Layers. Your choice of colors, Blue, White, Red, Yellow, Color Stripes, Name
- GOGGLES
- FIRE EXTINGUISHER
- HALON 1301 SYSTEMS
- ADJUSTABLE ANTI-SUB BELTS

We are manufacturers for all types of Racing Equipment For:

ARC • USCA • NASCAR • ARCA • IHRA • AHRA • NHRA UDRA • SCCA. All approved.

FUEL CELLS

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		10.000

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	Ed Murray Evan MacDonald Don Clining Larry Campbell	Chevron M - 2 Meister Honda Lola	1:10.9 1:10.5 1:20.8 1:11.5	9/78	
CP DP EP FP GP	Wayne Rogers Karl Nilsson Lou Livengood Barry Hartzel Kirk Carlson Paul Cameron	Datsun 240Z Porsche 914 Porsche 356 MG Midget MG Midget Sprite	1:19.4 1:17.5 1:16.3 1:16.2 1:18.0 1:20.4	8/78 9/79 6/80 7/78 8/81 7/78	
GT-1 GT-2 GT-3 GT 4	Dave Buist J. Byron Walker Dave Huard Dan Hill	Corvette Datsun 510 Toyota Mini Cooper	1:15.4 1:16.5 1:18.9 1:19.4	6/81 9/80 7/80 8/81	
SS/A SS/B SS/C	Bobby Fehan Thad Gutowski Marc Robling	Mustang II Scirocco Pinto	1:27.4 1:29.6 1:30.1	7/80 9/76 9/80	
FF FV **F/ALTC F/CNTL F4 F440	Vince Muzzin Lee McLeod Vince Muzzin Charles Van Acker Robert Long Greg Assenmacher	Royale Lynx March Lola Xpit Stinger	1:09.4 1:15.7 1:06.7 1:09.8 1:13.2 1:19.0	6/78 7/81 5/75 8/79 9/79 7/80	

^{**}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 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 and single cockpit). Race 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

- Datsun "Z" series, Mazda RX7, Porsche 914/6 & 924 Turbo, Sunbeam Tiger, Triumph TR-6 & TR-8
- DP Lotus Super 7, Datsun 2000, Triumph GT-6, Yenko Stinger, Porsche 914-S
- EP Porsche 356 series, MGB, Opel GT, Porsche 914/4, Triumph TR-4
- 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, Porsche Coupe, Austin Healy Sprit 1100, Fiat X1/9, Fiat 124 Spider
- HP Austin Healy Sprite Mk I & II, Fiat 850, MG Midget 948, Fiat Abarth

SHOWROOM STOCK

- SSA Porsche 924, Datsun 280Z, Capri V-6, Mustang Cobra, Mazda RX-4 & RX-7
- SSB Datsun 200 SX, Fiat 124, Scirocco, Dodge Colt
- SSC Pinto, VW Rabbit, Renault LeCar, Mustang 2.3, Fiesta, MGB Pontiac Astre, Honda Civic, Toyota Carolla

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

- Camaro, Dodge Aspen, Ford Cobra II, Corvette, Shelby GT-350, Porsche GT-1 911 SC
- Opel 1900, Datsun 510 1800, Mustang 2300, Pinto 2000 & 2300, Cosworth GT-2
- GT-3 Ford Escort/Lynx, VW Scirocco, VW Rabbit, Datsun 200 SX, Mazda RX 2, Toyota Celica, Pinto 1600, Fiat 124 Sports Coupe, Datsun 510 1600, Dodge Colt, Toyota Carolla 1600
- GT-4 Honda Civic, Austin/Morris Mini Cooper, VW 1300, NSU TT, Renault LeCar, Fiat 124 1200, Toyota Corolla 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
 - Formula Vee all Volkswagen components, 1200 cc engine, driver's weight
- included in total legal weight, very competitive class
- F/AKTC Formula Atlantic - choice of engines in over 1100 cc up to 1600 cc range. wings and other modifications allowed, not meant to be an inexpensive race
- Formula Continental engine up to 1100 cc, rear wings allowed, combines F/CNTL the modifications of the previous Formula C and Formula Super Vee classes
- Formula 440 utilizes Fuji two-cycle snowmobile engines and drive train. F440 rigid suspension, wings permitted
- 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, then stop at the Start/Finish line for consultation with the 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

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.

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.

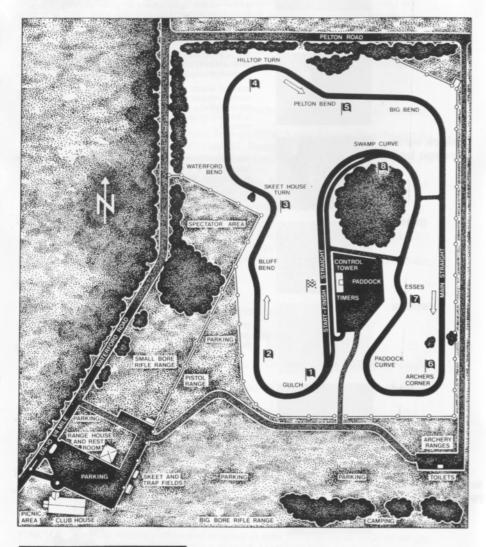
checkered

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





THE SPIRIT OF COMPETITION



A CONTINUING TRADITION

FORD DIVISION Ford

