

VIRGINIA MOTOR SPORT CLUB, INC.  
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# Checkpoints

VIRGINIA MOTOR SPORT CLUB

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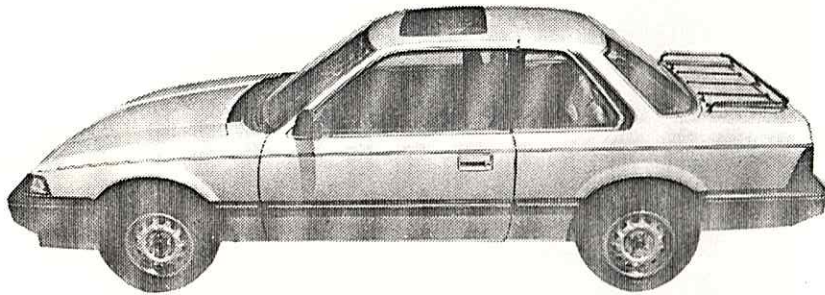
NUMBER 2

FEBRUARY 1984





*The Art of  
Performance*



*New Honda Prelude — with moon roof*

**CIVICS • ACCORDS • PRELUDES**

*Masterpieces in Style and Performance*

**Richmond Honda**

**7400 Midlothian Pike**

Just West of Cloverleaf Mall

**YOUR CIVIC MINDED DEALER**

Your #1 **HONDA** Dealer

**745-0300**

To The Membership of the V.M.S.C.,

Recently while on business in Connecticut, I had time to think and reflect on a request of a friend in the V.M.S.C.

This simple request was to make a few comments on the V.M.S.C. Awards Banquet held at the Hermitage Country Club on January 14th, 1984.

As I reflected, memories of ladies in gowns and men in tuxes and suits, of music and awards presentations with pomp and ceremony drifted through my mind.

Conversations with competitors on past and future auto-crosses and rallies filled the evening with an air of good friends and fun events, with the V.M.S.C. battle cry of "Where's the Beef" in the background combined to create a memorable banquet.

I can't help but feel that these thoughts reflect my impression of the true meaning and the spirit of the V.M.S.C.

I would like to thank Barbara & Lewis Parsley for myself, if not for the club, for the hard work and effort which was reflected in the location, food, and the overall flavor of the banquet.

This banquet, by the change of location, was a break from club tradition. By breaking the ice of tradition, I feel that Barbara & Lewis have made it easier for those of us who prepare future banquets.

To the Parsleys, for all of these reasons, many thanks and well done!

Sincerely,



VMSC PRESENTS THE  
**CASINO** ✦  
 ✦ **ROYALE**



*Monte Carlo Rally*  
**SATURDAY, FEBRUARY 18, 1984**

**GENERAL:** This will be an easy, Monte Carlo-type rally. The contestants will be given the location of each checkpoint and their exact arrival time. No more than one VMSC member will be allowed per team. Standard VMSC classes will apply.

**REGISTRATION:** The rally will start at the Mechanicsville Shopping Center. Registration will be open from 12:30 to 1:15 PM. Pre-registration is encouraged; Call the Rallymasters for a number.

**FINISH:** The rally will end with a Casino Party and a keg of beer. Trophies will be awarded at the party, and various prizes will be auctioned-off at the party's end.

**ENTRY FEE:** \$10.00 per team.

**FOR FURTHER INFO, CALL THE ODs -**  
 Bill Armstrong..... 232-8252  
 Alan Armstrong..... 232-3267

ROLL OR SPIN?

To the neophyte autocrosser, the specter of a rollover is perhaps the most difficult fear to overcome. In an autocross he must ignore most of the vehicle control "danger signals" he has been taught and press his vehicle to the limits of adhesion and suspension travel. The question all autocrossers eventually ask is, "Will it spin or will it roll?"

Starting with mathematical definitions of friction, cornering force, and force couples about the car's center of mass, derivations we have no space to print will provide us with the following relation:

$$G = \frac{t}{2h}$$

Where; G = "cornering force" in gravities  
 t = vehicle track in any unit  
 h = height of vehicle center of gravity (CG) in the same unit as chosen for "t"

"G" represents the chassis' "roll/spin boundary" of tire adhesion, or the amount of lateral acceleration in gravities where the car will lift both inside wheels in a curve. If G is greater than the cornering force of which the car is capable, the car will spin. If G is less than that amount, the car will roll as the limits of its cornering power are reached.

For a Datsun 510, the equation applies as follows:

$$t = 50.4 \text{ in.}$$

$$h = \text{approx. } 20 \text{ in.}$$

$$G = \frac{50.4}{2(20)} = \frac{50.4}{40} = 1.26 \text{ g's}$$

Since high-dollar racing sedans are presently struggling to generate about 1.05 g's, it appears that, even with racing tires, the 510 will not stick well enough to roll without help from another source.

Why, then, do cars occasionally roll? Hitting an object like a curb with the outside wheel causes the effective tire adhesion to become infinite, and this can cause a rollover. In the case of front-wheel-drive cars using transverse engines (large "h" value) and racing tires, rollovers can occur if sudden, large steering inputs are made. This is more likely to occur if the suspension is softly sprung, because stiff springing causes the tire contact patch to be disturbed under abrupt steering, thus reducing the tires' grip and the car's lateral acceleration, preventing the rollover. In the case of swing-axle-suspended cars, a combination of rear-wheel tuck-under (reducing "t" and increasing "h" simultaneously) and under-inflated tires rolling off of asphalt-digging rims causes such hazards as rollovers and nagging consumer advocates (remember the 'Vair.)

So, will your car roll? In most autocrossing situations, probably not. However, one way to insure this (and go faster, too) is to make all your steering inputs smoothly and deliberately. If you work really hard at causing a disaster, the laws of physics always seem to find a way to help.

BOARD MEETINGS 1984

- MAR 1 Neale and Martha Dickinson
- APR 5 Lewis and Barbara Parsley
- MAY 4 Gary Stout
- JUN 7 Bill and Sheila Hunter
- JUL 5 Len and Libby Wells
- AUG 2 Doug and Jet Burton
- SEP 6 John and Sue Adams
- OCT 4
- NOV 1 Bookie and Barbara Westbrook
- DEC 6 Floyd and Beth Mills



\*\*\*\*\*NOTICE\*\*\*\*\*

This schedule is NOT finalized, and is published at this time to give you a "feel" for the '84 timetable. The "TBA" dates are being changed to eliminate out-of-town conflicts. The finalized schedule will be published in March Checkpoints.

VIRGINIA MOTOR SPORT CLUB, INC  
RALLY SCHEDULE

1984

<u>DATE</u>	<u>RALLYMASTERS</u>	<u>OFFICIAL CHECKERS</u>	<u>ADVISOR</u>	<u>TYPE</u>
SAT FEB 18	A. ARMSTRONG B. ARMSTRONG	B. WESTBROOK B. WESTBROOK		MONTE-CARLO WITH PARTY
SUN MAR 18	B. PARSLEY L. PARSLEY	J. ADAMS S. ADAMS		REGULARITY RUN (*)
SUN APR 29	N. DICKINSON G. EBERHARD	ALL EQUIPPED TEAMS		ROOKIE RALLY WITH PARTY
SAT MAY 26	B. GREENWOOD W. GREENWOOD	F. DeBARDELEBEN M. DeBARDELEBEN		STICK MAP (*)
SAT & SUN JUN 9 & 10	J. ADAMS S. ADAMS	C. BAINBRIDGE J. BAINBRIDGE	F. MILLS	PIC-NIC
SUN JULY 15	D. BURTON J. BURTON	S. HUNTER B. MILLS	G. STOUT	EASY TO MEDIUM
SAT AUG 4	D. WEIR D. WEIR	S. POWELL T.B.A.	N. DICKINSON	NIGHT RALLY WITH PARTY
SUN AUG 19	T. BLOT L. WELLS	F. MILLS M. MILLS		MEDIUM TO HARD
SUN SEPT 23	G. STOUT T.B.A.	N. DICKINSON L. PARSLEY		MEDIUM WITH PARTY (*)
SUN OCT 28	B. WESTBROOK B. WESTBROOK	B. GREENWOOD W. GREENWOOD		MEDIUM
SAT NOV 10	S. HUNTER B. MILLS	NONE		SCAVENGER HUNT WITH PARTY (#)
SUN NOV. TBA	F. MILLS M. MILLS	A. ARMSTRONG B. ARMSTRONG		HARD (*)
SUN DEC 9	F. DeBARDELEBEN M. DeBARDELEBEN	G. STOUT T.B.A.		HARD (*)

1985

SUN FEB 17	C. YOUNG L. YOUNG	F. MILLS M. MILLS		EASY
SAT MAR 16	N. DICKINSON L. PARSLEY	C. BAINBRIDGE J. BAINBRIDGE		VISIBLE WITH PARTY

NOTES: ADDITIONAL DETAILS, CONTACT:

H. NEALE DICKINSON, JR.  
8532 ELM ROAD  
RICHMOND, VA. 23235  
(804)-272-7610

(\*) DENOTES VMSC CHAMPIONSHIP RALLY  
(#) DENOTES REDUCED POINTS EVENT  
T.B.A. DENOTES "TO BE ANNOUNCED"

VIRGINIA MOTOR SPORT CLUB, INC  
CHAMPIONSHIP RALLY SERIES

THE VIRGINIA MOTOR SPORT CLUB WILL CONDUCT A CHAMPIONSHIP RALLY SERIES DURING THE 1984 EVENT YEAR. THIS SERIES WILL BE OPEN TO BOTH MEMBERS AND NON-MEMBERS WITH POINTS BEING AWARDED FOR EACH EVENT, TOTALLY SEPARATE FROM OUR YEAR-END POINTS CHAMPIONSHIP. THE SERIES WILL CONSIST OF FIVE EVENTS, EACH OF WHICH IS A REGULARLY SCHEDULED VMSC RALLY. THE INTENT OF THIS SERIES IS TO TEST THE SKILLS OF EACH COMPETITOR IN A VARIETY OF AREAS UNDER VARYING CONDITIONS.

THE FIVE RALLIES CHOSEN FOR THIS SERIES ARE: MARCH 18th (A REGULARITY RUN WITH A TWIST), MAY 26th (A STICK MAP RALLY), SEPTEMBER 23rd (A RALLY OF MEDIUM DIFFICULTY), NOVEMBER 25th AND DECEMBER 9th (BOTH DIFFICULT).

WE HOPE THAT EVERYONE WILL COMPETE IN ALL OF OUR 1984 RALLIES AND ESPECIALLY IN THE SERIES EVENTS. IF SUCCESSFUL, THIS WILL BECOME A NORMAL PART OF OUR RALLY PROGRAM AND MAY BE EXPANDED TO INCLUDE A TEAM AND/OR CLUB CHAMPIONSHIP.

THE CHAMPIONSHIP AWARDS WILL BE PRESENTED AT THE 1984 VMSC YEAR-END BANQUET IN JANUARY OF 1985. THE AWARDS WILL BE BASED ON THE ACCUMULATION OF SERIES POINTS WITH THE POINTS BEING AWARDED AS LISTED BELOW. EACH COMPETITOR'S BEST FOUR EVENTS WILL BE USED TO DETERMINE THAT COMPETITOR'S FINAL SERIES POSITION. COMPETITION WILL BE DIVIDED INTO THE THREE STANDARD VMSC CLASSES; EQUIPPED, UNEQUIPPED, AND ROOKIE. THE SERIES AWARDS, ONE FOR EACH CLASS, WILL BE GIVEN TO THE COMPETITOR WHO ACCUMULATES THE GREATEST NUMBER OF SERIES POINTS IN THAT CLASS. DUPLICATE AWARDS WILL BE GIVEN IN CASE OF A TIE.

CHAMPIONSHIP POINTS, SEPARATE FROM AND IN ADDITION TO NORMAL VMSC COMPETITION POINTS, WILL BE AWARDED AS FOLLOWS:

<u>POSITION</u>	<u>POINTS</u>
1st IN CLASS	9
2nd IN CLASS	7
3rd IN CLASS	5
4th IN CLASS	3
5th OR BELOW IN CLASS	1
RALLYMASTER	7
PRECHECK AND WORK AN EVENT	5
WORK AN EVENT	3

VIRGINIA MOTOR SPORT CLUB, INC  
AUTOCROSS SCHEDULE

1984

<u>DATE</u>	<u>OFFICERS OF THE DAY</u>	<u>SITE</u>	<u>TYPE</u>
SUN MAR 25	B. WESTBROOK, B. WESTBROOK	RICHFOOD	SHORT AND CHALLENGING
SUN APR 8	A. ARMSTRONG, G. EBERHARD, B. HUNTER, S. HUNTER	FT. LEE	DUAL EVENT AIRSTRIP
SAT & SUN MAY TBA	B. HUNTER, B. MILLS, D. WEIR S. HUNTER, F. MILLS, D. WEIR	CREWE	SPRING 2 DAY AIRSTRIP
SUNDAYS JUN 24 JUL 8 JUL 22	J. ADAMS, G. STOUT, B. MILLS L. WELLS, L. WELLS, L. WILSON	SOUTHSIDE SPEEDWAY	SERIES 3 RACETRACK
SUN AUG 12	N. DICKINSON, S. POWELL	T.B.A.	
SAT & SUN SEPT 15 & 16	D. BURTON, B. PARSLEY, L. WELLS J. BURTON, L. PARSLEY, L. WELLS	BLACKSTONE	FALL 2 DAY AIRSTRIP
SUN OCT 7	A. ARMSTRONG, C. BAINBRIDGE, J. BAINBRIDGE	FT. LEE	AIRSTRIP

④

⑤

# VMSC celebrates St. Patrick's Day

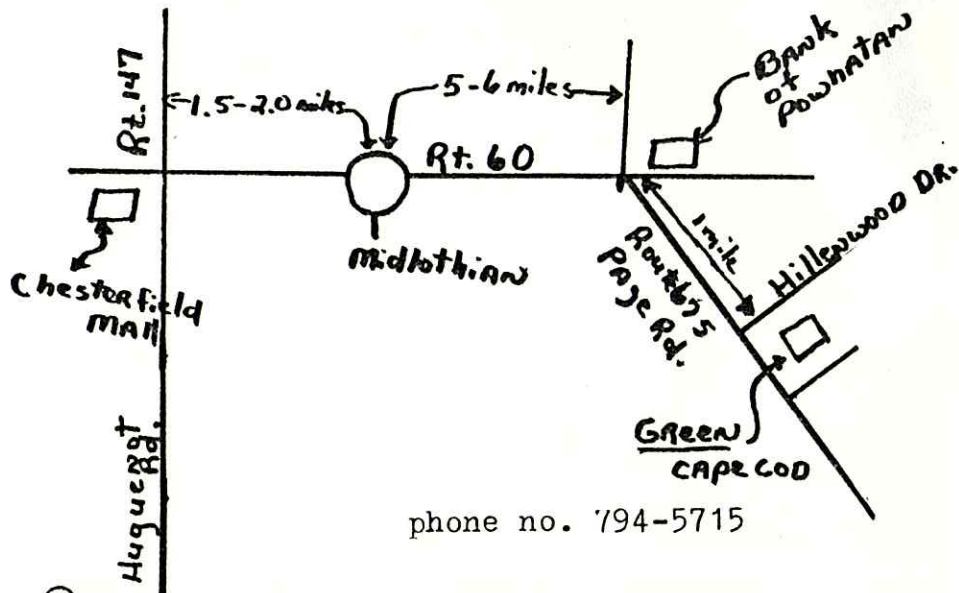
When: March 17, 1984

Place: Dennis & Debbie O'Veir's

Time: 7:00 PM - until

Penalty: Anyone not wearing something green will receive a \$1.00 penalty paid to VMSC social fund.

BYOB



phone no. 794-5715

V.M.S.C. PRESENTS THE MARCH RALLY

**REGULARITY RUN**

**WITH A TWIST**

**March 18, 1984**

**Registration: 11:00 A.M.**

**F.C.O. : 12:01 P.M.**

**Cost : \$7.00**

**Starts : Mechanicsville Shopping Center  
Rt. 360 & Rt. 360 Bus. & Rt. 640  
(Near Rt. 640 Entrance)**

**Ends : Gus' Pizza Mechanicsville Shopping Center**

<b>Classes :</b>	<b>Trophies for first in class.</b>
Equipped	<b>Dash plaques for all other</b>
Unequipped	<b>trophy positions.</b>
Rookie	

**An easy rally aimed at the rookies A chance for the pros to stay on time.**

**FOR INFORMATION AND TO REGISTER PLEASE CALL :**

**LEWIS or BARBARA PARSLEY  
1-804-262-1350**



CASINNO ROYALIE  
February 18, 1884  
February Rally Results

OD's Bill & Alan Armstrongs

Car #	Team	Class	1	2	3	4	6	7	8	9	10	Total
5	Mutt & Jeff Dickinson	1U	0	1	0	0	0	0	0	0	0	1
6	Boofat Parsley & Baby Hornblower	1E	1	0	0	0	1	0	0	0	1	3
9	Mandy & Baby Adams	2U	0	0	0	0	0	0	0	0	4	4
11	Willy Henry & Marvin Wills	2E	0	1	1	1	3	2	0	0	0	8
6	Will Hunter & Nate DeBardeleben	3E	1	1	1	1	1	1	1	1	1	10
15	Annie Wilson & Reckless Wells	3U	1	5	1	1	0	2	0	1	2	12
1	Dennis & Debbie Weird	4U	7	3	1	1	0	5	0	0	1	18
4	Ronald Reagan & Walter Mondale	4E	2	2	1	3	2	4	6	5	2	27
3	Jesse Jackson & James Watt	5U	1	3	3	3	5	2	8	3	1	31
2	Doug Burton & Ron Popiel	6U	0	0	0	0	0	0	0	0	40	40
7	Jesse Mills & Useless Wells	7U	2	3	7	4	6	7	10	1	4	44
8	Shirlet Zonner & Johnny Law	8U	4	10	9	11	2	2	4	9	8	59
12	Lindsay Wilson & Pete Townsend	9U	10	5	9	12	4	14	15	1	3	73
10	Dickie Jones & Charles Schultz	10U	1	200	200	200	200	200	200	200	200	1601
13	Snoopy & Red Baron	11U	0	200	200	200	200	200	200	200	300	1700

A special Thanks to all the workers. We would list their names but we got drunk and left the list at the Casino.