



# AUSPUFF

Over 45 years of Motoring Enthusiasm by the Champaign County Sports Car Club

[www.ccsportscarclub.org](http://www.ccsportscarclub.org)

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June, 2004

## Auto Cross School

By Danger David Goldenbaum

To summarize on behalf of club members and participants alike, Champaign County Sports Car Club's second annual Auto Cross School was a great success! Held during the weekend of March 20<sup>th</sup> and 21<sup>st</sup>, 48 rather sleepy yet eager autocross students lined a stark classroom at the old Chanute AFB on Saturday morning at 9:30am. Most of the 49 were fresh to the sport, many novices and a few experienced drivers; all came to improve on their driving skills (and eat free lunch).



Barry Rowe presenting "physics behind racing" in the classroom session of the autocross school

Following a round of introductions and background by the trainers, Pete Hetman and Barry Rowe launched into an ornate, and entertaining discussion of the "art of autocross" (interspersed with *strong* safety messages). Barry really lit up the class with his "physics behind racing" segment, including several handy props and some good high-school humor.

After a healthy helping of Subway sandwiches were consumed, and the theories of inertia, momentum and course safety were digested, the class was ready to hit the con-

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CCSCC AutoX school physics laboratory...

## 2004 CCSCC Annual Picnic

- **When** - July 31, 2004, 1:00pm
- **Where** - The Bedfords Residence, Mahomet
- **What to bring** - Chair, Side dish to pass, swimming apparel.

Social Chair Karen Townsend has finalized the details for our annual picnic. The event will be on July 31, 2004 at the Chris and Russ Bedford residence in Mahomet. Directions will be posted soon. The club will supply the burgers, dogs, and chicken, but we ask everyone to bring a side dish to pass. You'll also want to bring a chair and bathing suit and towel if you're inclined to jump in the pool.

See map on page 7

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### AutoX school continued

crete to test their skills. Students were paired with instructors on a 3-1 basis and divided into 2 heats. Workers were encouraged to watch and learn from the other student drivers, and were accompanied by their instructors to assist with this goal.

As an instructor at the Saturday class, I was impressed by the enthusiasm and caliber of questions asked by my students. I worked with several first-time drivers, all of whom found the course quickly and improved on their times each run. Towards the end of

the laws of physics were quite accurate,

- Drivers really can “make more horsepower with your brakes” as discussed in class (and hounded by their instructor)
- Autocross = big-time fun!

On Sunday, many

the allocated six runs, my pupils had discovered several important rules of autocross. These discoveries included:

- Barry Rowe’s descriptions of

of the students returned to a **slightly revised course** for open-run test and tune. In the end, smiles were permanent and skills were improved. As in any autocross, the only casualty were cones and tire life (the cones definitely got a workout). Thanks to all the students and club members who made this event such a success. I’ll do my part to see the club keeps up this tradition.



*A few of the CCSCC master instructors*

## Rally Schedule

- Friday, June 25
- Sunday, July 11
- Friday, July 30
- Sunday, August 8
- Friday, August 27
- Sunday, September 19
- Friday, September 24
- Sunday, October 10
- Friday, October 29 \*
- Sunday, November 14 \*

All rallies start at the parking lot of the County Market in Champaign. This is west of the intersection of Mattis and Glenn Park Drive.

Registration is from 7:00pm to 7:45pm for Friday night rallies and from Noon to 12:45pm for Sunday afternoon rallies.

Entry Fees are: \$12.00 for Friday night rallies, \$15.00 for Sunday afternoon rallies, \* \$20.00 entry fee due to cost of T-shirt trophies.

## Autocross Schedule

- July 3 & 4
- August 7 & 8 – Coles County Airport, Charleston, IL – New Event
- September 4 & 5
- October 2 & 3
- October 23 & 24
- November 20 & 21

All autocross events are at Rantoul Aviation Center unless otherwise noted.

Registration is from 9:30am to 11:00am.

AutoX Entry Fees are: \$15.00 for CCSCC or SCCA members. \$20.00 for students w/valid ID cards. \$25.00 for all others.

For directions to our sites, please go to our web site. <http://www.ccsportscarclub.org/>

# Wagner's Wander Rally or There and Back Again

Apr 4, 2004

By Bill Wagner

Creating an interesting rally can be tough. I try not to be too creative in my rallies, lest I lose sight of more important goals, such as ensuring that the route instructions are accurate or the out slips are correct. The April Sunday rally wasn't an extremely interesting rally, but I attempted to use lots of roads that haven't been used recently. While I did manage to get the route instructions accurate, I did have a couple of errors in the out slips.

Illinois is certainly an interesting state when viewed from a geographical perspective. Those who seldom venture outside of the immediate area of the twin cities never see that we do have roads that are interesting

to drive. Last year I took everyone south, so I thought I would go north on this rally. What I had forgotten about is that we have roads that go up and down just to the north and east a bit. This rally moved back and forth across US-45 and I-57, seldom more than a few miles from either one and went from Champaign to north of Paxton and back. I think that partway during the return to base, some of the rally teams realized that they were driving the same roads they had used on the out trip. The weather was as good as can be expected and I think that everyone had a nice drive through the countryside.

The two novice teams, Mary and Craig Chambers and Kevin Morris and Lance Johnson did an excellent job. The Chambers team made it through their

first rally, making a couple of recoveries from some off course excursions. An analysis of the scores these two teams received proves interesting. If I throw out their three worst leg scores, the two novice teams would have been tied with 129 points each. The Chambers had two legs with single digit scores, but the Morris/Johnson team was more consistent. At the end, Morris/Johnson were the class winners with 384 points versus 656 points.

The SOP class also had two teams, Mike and Cheryl Blackwelder and Jim Hamilton and Jonathan Flora. I played with their scores also and find that the finish positions would have been reversed if the three worst legs were thrown out. In the end, the Blackwelders were victorious with a total of 399 points versus 580 points.

The Nav class had only one team, the Townsends, Bob and Karen, since I was playing rally master. Their total of 194 points was good for first overall. See you at the next event.

Position		Leg 1	Leg 2	Leg 3	Leg 4	Leg 5	Leg 6	Leg 7	Leg 8	Total
	Novice									
1.	Kevin Morris Lance Johnson	81	33	86	88	33	35	25	3	384
2.	Mary Chambers Craig Chambers	200	3	25	127	200	49	50	2	656
	SOP									
1.	Mike Blackwelder Cheryl Blackwelder	76	7	46	55	70	62	48	35	399
2.	Jim Hamilton Jon Flora	160	22	18	119	200	0	3	58	580
1 <sup>st</sup> Overall:	Navigational									
	Bob Townsend Karen Townsend	3	4	3	0	152	27	3	2	194

# Operation Overdrive

Rallymasters report by: Jonathan Flora

On the 60<sup>th</sup> anniversary of the D-Day Invasion, the Champaign County Sports Car Club held a time-speed-distance road rally, driving on Paris (Paris IL, actually Chrisman). The weather was perfect for a 160-mile Sunday drive and the rally remained more or less on schedule returning to Monicals only 20 minutes later than the idea time. We had 5 teams, three novice, one seat-of-the-pants and one navigational team participating. All cars, including a first time novice team, remained on course and as the leg scores show it was competitive event.

At the first checkpoint the teams posted some good scores, with the first time novice team likely driving the CAST with no “bump”. The loop worked as intended and the first cars were sent out just after the last car passed the checkpoint, an instruction following error apparently fouled up Jim and Bill. At the second checkpoint, the SOP cars were running somewhat late after a long leg but posted better scores on the loop. As the rally progressed the novice teams

began to dial in their CAST bumps. By the end of the rally I am sure everyone enjoyed the winding roads on the way back from Chrisman.

A special thanks is in order for Jerry White who cold ran the rally and provided much assistance in catching the rallymaster’s errors. The rally would have not been a success without all his effort. Jerry’s help was especially needed when we discovered that several roads were just resurfaced (tar & chip) and it forced the movement of a checkpoint and the loop leg to keep it a “good road” rally. Unfortunately, errors crept in the calculations and outslip so three legs had to be thrown but the route following instructions keep everyone on the rallymasters’ intended course.

In this rally I experimented using a loop leg in order to provide more data points for scoring and as method to keep the



Mike and Cheryel Blackwelder turning (left after “historical marker ahead”)

cars moving though the checkpoints. I think the idea has some merit for future rallymaster to consider incorporating in long rallies to keep the cars moving though the checkpoints without having to worry about holding cars until all arrive. The one problem to consider is if cars come into the travel leg checkpoint close together they will also be close together on the short loop leg. Cheryel Blackwelder suggested spacing cars two minutes apart to limit the potential of two cars coming in close together. Another method would be to utilize the round up self assigned out times as in DIY legs, however it would be difficult to communicate the procedure. Of

course more effectively communicating the use of time delay slips, possibly adding ¼ minute delay option for loop legs.

Car	Team	1 T	2 L	3 T	4 L	8 L	9 T	10 L	11 DIY	Total	Place
1. Porsche Boxer	Eric Mosher Debbie Peterson	24	45	110	26	3	158	37	30	433	1st NOV
2. Chev Tahoe	Martha Fry Diane White	162	93	23	25	25	133	71	25	557	3rd NOV
3. SAAB 900 Turbo	Mary Chambers Craig Chambers	74	93	57	8	30	116	31	50	459	2nd NOV
4. Merkur XR5Ti	Mike Blackwelder Cheryel Blackwelder	39	2	31	1	20	72	11	36	212	1st SOP
5. Subaru Impreza 2.5 RS	Jim Hamilton Bill Wagner	0	82	19	7	13	20	20	4	165	1st overall

## 2004 Season Awards Banquet - January 8, 2005

The date for 2004 season awards has already been set. We've chosen the Park Inn, Urbana. The Park Inn is located along US-45, just north of I-74. Information on reservations and the menu will be posted as soon as available.





# KEEPING SCORE,

## CCSCC Championship Points Rules

As of March 4, 2004

### Purpose –

The purpose of the CCSCC awards program is to recognize outstanding and consistent performance in CCSCC motorsports activities and to promote attendance at our events.

### General Information –

1. The points year runs from January 1 through December 31.
2. Members who pay their dues by the end of the March club meeting will have points from all events counted.
3. Members who pay their dues after the March club meeting will earn points only for events attended from the date dues were paid onward.
4. Points for Rally and Autocross events are awarded as follows:

Finish	2 or more drivers in class	Single driver in class
1 <sup>st</sup> Place	10 Points	9 Points
2 <sup>nd</sup> Place	9 Points	
3 <sup>rd</sup> Place	8 Points	
4 <sup>th</sup> Place	7 Points	
5 <sup>th</sup> Place	6 Points	
6 <sup>th</sup> Place	5 Points	
7 <sup>th</sup> Place	4 Points	
8 <sup>th</sup> Place	3 Points	
9 <sup>th</sup> Place	2 Points	
10 <sup>th</sup> Place or lower	1 Point	

5. Year-end awards may be given for each category shown below:
  - a) Rally – Open
  - b) Rally – Women's
  - c) Autocross – Open
  - d) Autocross – Women's
  - e) Open Championship
  - f) Women's Championship
6. The best finishes in 80% of the total number of events, rounded down, are counted towards each award (Rally and Autocross). For example, 80% of 7 is events is 5, so the best 5 scores are used to compute the final points for that event.
7. Numeric results will be rounded to a tenth of a decimal place.

## Rally Points -

1. Award 10 points for 1<sup>st</sup> Place Overall regardless of class size.
2. Rally Masters receive 10 points for staging any rally. If the Rally Chair and the Rally Steward deem the rally a rerun of a previous rally, the Rally Master receives 5 points for staging the rally.
3. Rally workers receive 5 points for each Rally that they work.
4. To receive year end points, you must be a CCSCC member and must work one CCSCC Rally.

## Autocross Points -

1. Award 10 Points for Fastest Time of Day (FTD) regardless of class size.
2. Event Chairs receive one additional point, up to a maximum of 10, in addition to any points received as a participant.

## Open & Women's Championship Award –

1. Two points are awarded towards the Championship Award for each club meeting attended, up to a maximum of 22.
2. All finishers will receive weighted points towards the Championship Award (either Open or Women's) from each of the Rally and Autocross year end finishes based on the following formula:

$$\left[ \frac{\text{Finisher's Adjusted Score}}{\text{Maximum Score}} \right] \times 100 = \text{Points towards Championship}$$

Where:

Finisher's Adjusted Score = Best finishes in number of events counted (80% of the total number of events, rounded down.)

Maximum Score = Number of events counted x 10.

For example: if Joe finishes first in Rally with an adjusted score of 97 out of a possible 120 total, Joe receives 80.8 points. Mark, who finished second with a total of 93 out of the possible 120 points, would receive 77.5 points.

3. Members can receive overall points from Rally, Autocross and Attendance. For example, a member finishing 1<sup>st</sup> in Rally and 3<sup>rd</sup> in Autocross could receive 95 points for Rally, 85 points for Autocross and 22 points for Attendance for a total of 202 Championship points.

## Whitewash

In case you hadn't noticed, the last couple of Whitewash columns have sort of had a theme related to event participants (whether they be club members, board members or just participants) lending a helping hand to the Champaign County Sports Car Club. The first of the two articles covered one way to tap the helping instinct in event participants and the second talked about how the helper benefits by learning more about the motorsport they are helping with. This Whitewash will wrap up this helping hand theme by asking everyone to be on the lookout for opportunities to get involved.

One way to categorize the opportunities available is to lump them into the things we're doing now, the things we used to do, and the great new ideas we all have for things that can be done to make the CCSCC and its events even better. The first category obviously includes all the duties handled by the members of the board, event chairs and workers, and event participants. I might mention here that while all of these workers are important, we all need to be aware that the work involved can always be shared or distributed to a greater degree than it is currently. Since there will always be uneven workloads, whether across the years, during a given year or just during an individual event, please keep your eyes open for opportunities to step forward and ask how you can assist those that seem to have the most to do.

Not only that but please keep in mind that by the time you add in a given individual's duties across all their work, family and volunteer activities this uneven loading phenomenon might even be invisible to those of us who only

see the person at CCSCC activities. It is this uneven loading of individuals across all their realms of responsibility that probably leads to most of the things that end up in the category of "things that we used to do" and perhaps should still be doing. The reality is that if you have an interest or talent for something you don't even have to wait for it to not get done before you volunteer yourself to help with it. You might just be the relief that someone desperately needs. Everything that gets done for the club takes somebody's time so anytime you have available to lend will be most appreciated.

It's interesting to note that some of the "no longer being done" things will also turn up on people new to CCSCC's lists of "wouldn't it be great if" things that could be done to help improve the club and its events. Whether a great idea is a revisit to an old idea, an idea that lots of people come up with, or something that you think of that is truly unique it's important that it be brought to light to see if one or more people can run with it for the benefit of all. Some ideas will of course require only a single implementation and will then help for a long time while others will have to be actively "staffed" at every opportunity in order to take full advantage of them. One caveat to note here is that while all ideas are welcomed, the best ideas come with workers attached. Remember, in the CCSCC, we drive therefore we are. Drive on!

Jerry White, President

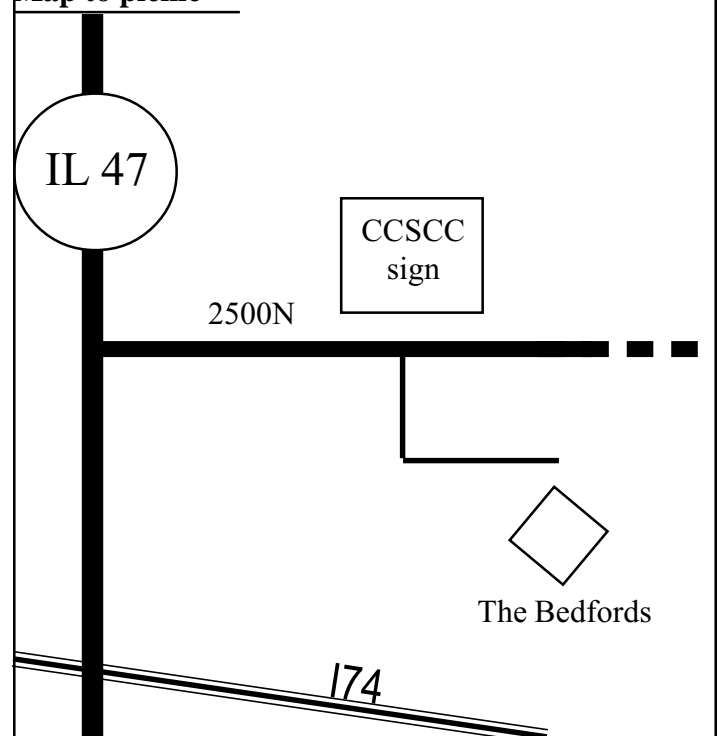
## 2004 CCSCC Annual Picnic

- **When** - July 31, 2004, 1:00pm
- **Where** - The Bedfords Residence, Mahomet
- **What to bring** - Chair, Side dish to pass, swimming apparel.

**Before coming to any  
CCSCC event, please call the  
CCSCC Events Hotline**

**398-6452**

### Map to picnic





Champaign County Sports Car Club  
605 Park Lane Drive  
Champaign, Illinois 61820

Presorted Standard  
U.S. Postage Paid  
Permit No. 514

## 2004 CCSCC Executive Board & Officers

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