



Hoosier BMW Car Club, Inc.  
P.O. Box 20775  
Indianapolis, IN 46220-0775

# Summer Autocrossing

June 5th, July 10th and August 14th

Come and join us for a wonderful summer of autocrossing at Bush Stadium on 16th Street in Indy. As we have in the past several years, we will be putting on three events on June 5th, July 10th and August 14th. Attend just one or all three and find out how much fun they are. Everyone is welcome from novices to experienced AX'ers. We start at about 9:00 a.m. and run to about 3:00 p.m. An informal lunch is included. All cars are welcome! Check the Hoosier BMW website for more specific details. We hope to see you this summer!



Check out the latest event details at:  
[www.hoosierbmw.com](http://www.hoosierbmw.com)



Newsletter of the Hoosier BMW Car Club, Inc.

# HOOSIER TRACKS



## INDIANA

# TIME TO TOUR

By Larry Clarino

It's spring in the Midwest and that means it's time to take the dust cover off the garage queen and come out and play. The Hoosier Chapter is planning to do just that. We already have three one-day tours in the works for this year.

The first is an absolutely joyous romp over hill and dale, known as the *One Lap of Nashville*. We will be meeting on June 26th at Exit #90, off I-65 in Franklin, Indiana. Club vice president, Don Andersen, and his lovely wife, Lynn, have organized what we anticipate will be a fun combination of exhilarating roads, a terrific lunch, and a couple of hours to explore the shops in Nashville, all topped off with a back-roads jaunt to a local watering hole in Columbus to end the day. Having run the route with the Andersens, we can say this trip has a bit of everything.

The driving, while not "fast," will absolutely be interesting to all, with a challenge or two along the way. Lunch will be at the Brown County Inn, just a short walk from downtown Nashville. The Inn will be reserving parking for us, making our Nashville visit fun and easy. This trip is what touring is all about. Go to the website to RSVP for this and all upcoming events.

Matt and Karen Hyman are at work planning what we are told will be a bit of a change for our one-day tours. We understand they are concocting a fun rally that will give participants a chance to test not only their navigation skills but also their powers of observation. Rolling through the corn fields of summer, the plan is to end up somewhere near Turkey Run State Park for lunch and a debate as to who did what and how they did it. The date will be Saturday, July 31.

Spring 2010

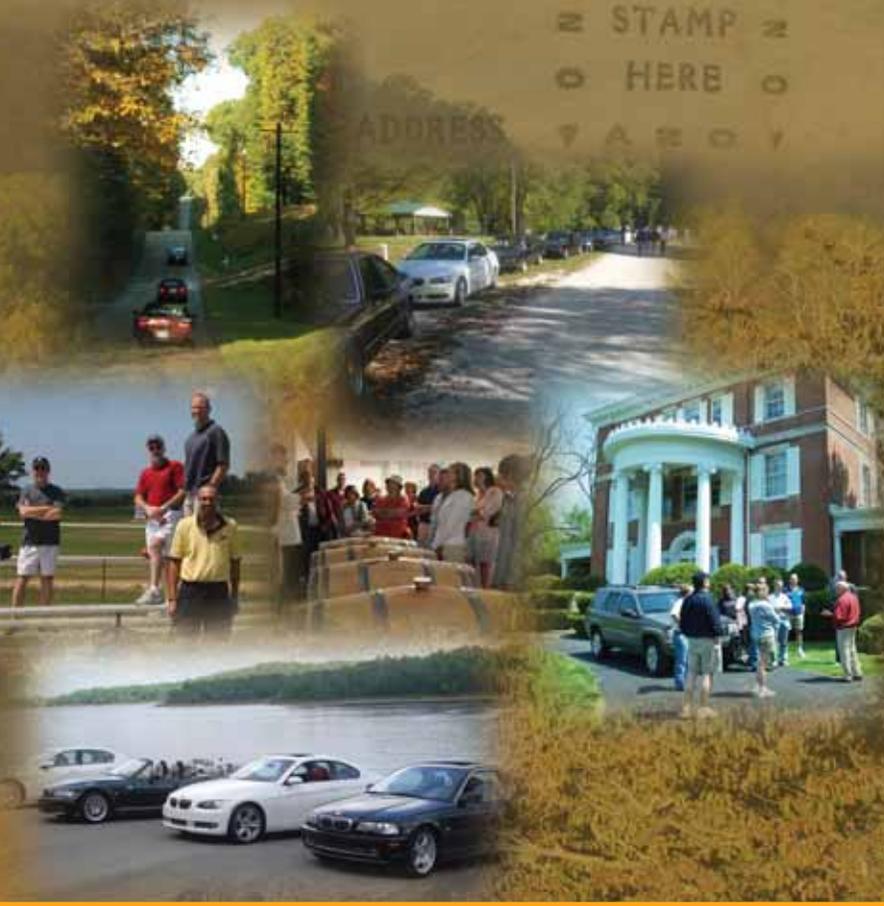
# POST CARD

A PLACE  
STAMP  
HERE

Late summer or early fall will see Mert Zorluf lead his *Second Annual Ohio River Tour* to Southern Indiana. After the success Mert had last year, he is stepping forward again and mapping out another trail to remember along the Ohio River.

There may be a surprise or two later in the year, and it looks like we will be pretty busy. If you are interested in helping plan an event, let us know. We can use the help and we promise we will make it fun for you.

Be sure to keep an eye out for details of all club events. The best way to do that is check the website, [hoosierbmw.com](http://hoosierbmw.com) for the most up-to-date information. For most events we ask you to register because we need to know how many cars to plan for.



## PRESIDENT'S CORNER



**By Larry Clarino**  
*Chapter President/Hoosier BMW CCA*

**A**h Spring! The sun is shining and the birds are singing and the Li'l Blue Roadster is out of the garage. May is my favorite month. May in Indy only means one thing to a diehard race fan, the '500. Many of you know that my wife, our newsletter editor/designer, and I

cover Indy Car racing for an internet-based wire service. We get to spend the whole month of May at the Speedway. With the changes in qualifying and the forty-plus entries this year, much of the old pre-race drama will be back. This may well be the most competitive field in years.

Spring also means it's time to get our cars out and play. In this issue we talk about some of the great tours we have coming up along with the three autocross events we have planned. Be sure to check out the calendar and sign up for one, two, or all of them. New for a lot of us will be a fun rally, being planned by Matt and Karen Hyman. This will be a pretty low-key event with some

fun twists and turns that will not only test your driving and navigation skills, but will require some logic and patience. I would not be surprised at a few, uh, loud discussions between couples as they explore the back roads of Western Indiana on this one. I am sure there will be some funny stories and more than a few "excuses" for who did what and when on this trip.

Last month we staged our club's sixth Tire Rack Street Survival. We need to thank Aaron Hill from Liberty Mutual Insurance for sponsoring lunch for the kids. By the way, his firm gives BMW CCA members a discount on their insurance and they do cover your car on a track, if it is not a "timed" event as in a BMW Club driving school.

We are starting the planning on our next Tire Rack Street Survival for October during National Teen Driver Safety Week. Hopefully the day will be a little dryer than our April school. We can really use your help, so please contact me and we will set you up. We need people that are willing to get involved not only on the day of the event, but with planning future events. This is the most important thing we do as a club. We save lives. Oh, and it's fun too. We are working closely with the guys at the PCA and the SCCA. Both are planning events in Central Indiana. The demand from students is huge, so the more schools we can do the better for the kids.

If you haven't been to our monthly meetings in awhile, be sure to stop by on the first Wednesday of the month. We are trying our best to have a guest speaker at each of them. June 2nd we will have Joe Tillford, owner of a number of Goodyear stores in the area, speak at the Brickyard. Stay tuned for other meeting announcements.

In March, your vice-president, Don Andersen, membership chair, Tami Reamer, and I attended the BMW CCA congress in Dallas, Texas. The main topic on a national level was how to retain and grow membership. The best way to do that is for you, the Hoosier members, to simply get involved. The fact is, the majority of you have never come to an event. All I can say is try it, we know you love cars. We know you love to drive. We all do, that's really why we are members! So come join us for just one event. You might just get hooked!

## WELCOME NEW MEMBERS

<b>ALLEN, ERIC</b> Carmel, IN	09/328l	<b>MASLANKA, TED</b> Noblesville, IN	
<b>BASS, DALE</b> Brownsville, IN		<b>MEGGENHOFEN, TIM</b> Indianapolis, IN	03/M3
<b>BLANCHARD, EDWARD</b> Fishers, IN	00/Audi A4	<b>MORSE, DAVID</b> Indianapolis, IN	04 Mini Cooper Si
<b>BOWDEN, JIM &amp; CELESTE</b> Indianapolis, IN	08/E92 328l	<b>MURRA, CURTIS</b> Westfield, IN	97/Z3
<b>CAYLOR, SCOTT</b> Plainfield, IN	06/330i	<b>SANTOS, OLIVER</b> Indianapolis, IN	09/X5i
<b>CHUCK, ELDON</b> Carmel, IN	01/740iL	<b>SCHORNSTEIN, DOUGLAS</b> Indianapolis, IN	91/M5r
<b>COLE, JAMES</b> Indianapolis, IN		<b>TALLENT, WILLIAM</b> Indianapolis, IN	93/850ci
<b>JOHNSON, MICHAEL</b> Indianapolis, IN		<b>WEBER, JOSEPH</b> Indianapolis, IN	10/Z4
<b>KOCH, ROBERT</b> Evansville, IN	06/330i	<b>WOODMAN, DARRELL</b> Lafayette, IN	07/550l

## CALENDAR OF UPCOMING EVENTS

- June:**  
**2nd** Membership meeting at Brickyard Crossing. 6:30 p.m. Speaker for this month is Joe Tillford, speaking about Goodyear Tires.
- 5th** Autocross at Bush Stadium — 9:30 a.m. Be on site 45 minutes prior to start to for registration.\*
- 16th** Social meet at Brockway (Carmel). 6:00 p.m.
- 26th** Driving tour — One Lap to Nashville, Indiana.\*
- July:**  
**7th** Membership meeting at Alliance Motorsports in Brownsberg, IN. 6:30 p.m.
- 10th** Autocross at Bush Stadium — 9:30 a.m. Be on site 45 minutes prior to start to for registration.\*
- 21st** Social meet at Brockway (Carmel). 6:00 p.m.
- 31st** Fun Rally — Run for the Turkeys. This rally ends up somewhere near Turkey Run State Park.\*
- August:**  
**4th** Membership meeting at Brickyard Crossing. 6:30 p.m.
- 14th** Autocross at Bush Stadium — 9:30 a.m. Be on site 45 minutes prior to start to for registration.\*
- 18th** Social meet at Brockway (Carmel). 6:00 p.m.
- \*Visit [www.hoosierbmw.com](http://www.hoosierbmw.com) for updates, additions and last-minute changes.

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## TIRE RACK STREET SURVIVAL

authorized by  
BMW CCA Foundation

On Sunday, April 25, the Hoosier Chapter presented our sixth Tire Rack Street Survival Teen Driving School. North Central High School was again the site. The day started out with a little light rain and mist that gave way to a blue sky as the teens started to arrive for check-in. If only those blue skies would have hung around.

As the first group of kids took to the course, the weather really kicked up. Wind and lots of rain were the hallmarks for the rest of the day. Now for a driving school, rain is not a bad thing. It allows us to teach car control at much lower speeds. The students in their cars were nice and dry as were the in-car coaches. As for the rest, the real heroes of Sunday's event were the ground crew. Our traffic directors, cone shaggers, security crew, and fire hose team all looked like the Weather Channel's meteorologists covering a Nor'easter along the Carolina outer banks, but instead of doing a 30 second live spot, our gang was out in it all day long. We can't say a big enough thanks to you all. The Hoosier Street Survival program is lead by Stephanie and Andy Simmonson. Without their tireless leadership, we could not present these life-saving events. No one does a better job than this team.



# Chicago Auto Show Trip

By Scott Damer

On Saturday, February 13, 2010, the BMW Club's Hoosier Chapter took off from the Northwest side of Indianapolis for a one-day adventure to Chicago to take in the 2010 Chicago Auto Show. Although a few of our participants have made this a nearly annual trek, most of those going on the trip were making their first visit to the show. We also made some new acquaintances on the trip as we were joined by the MINI Club.

It's hard to anticipate the differences between the Indy Auto Show and the Windy City variation. Chicago covers over a million square feet of convention space, many times the size of the one here in Indy. There are literally hundreds of automobiles and manufacturer displays and it really is a full day excursion to completely absorb all of the information and sights.

The BMW booth itself was fairly unspectacular, but it did have a few sparkly examples on display and we managed to leave a few drool-spots behind for the ever-present housekeeping staff to wipe down.

Our Bussey for the trip (provided by Thompson Motor Coach, of Indianapolis) was Dale, who had a lot of great bus trip stories and seemed like a first rate guy, despite steadfastly refusing to take his little bus through the cones we offered to set up in Dick's parking lot upon returning from Chicago. Dale did a great job of getting us to Chicago on time, and into the Merrillville Applebees on the return trip, with a minimum of problems. It was nice to get together for dinner. Since everyone had gone in different directions throughout the day, this was the first and only opportunity for many to socialize and debrief on the day's events.

If nothing else, the Chicago outing just served to prove once again that (paraphrasing what Newt Gingrich once said about guns), "...I've got all the cars that I need, I just don't have all the cars that I want...".

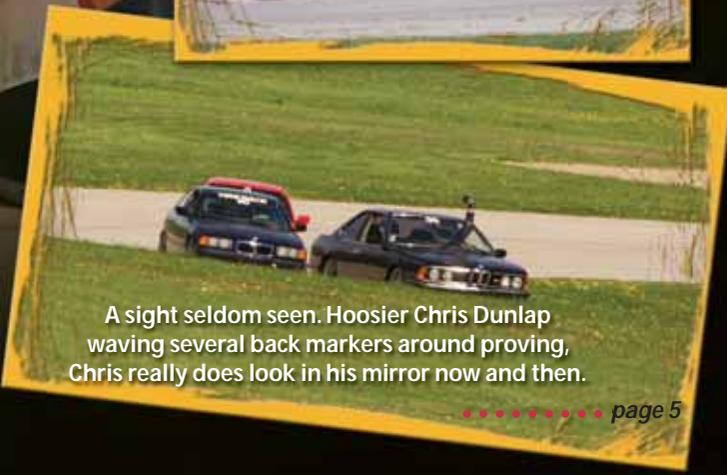
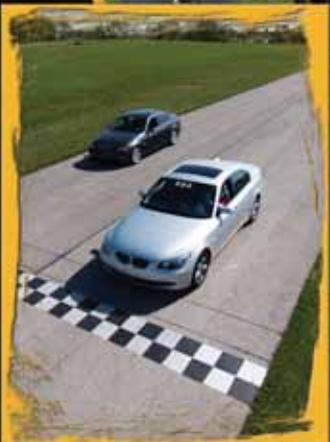


# 19th Annual Rites O' Spring

By Jerry Reamer

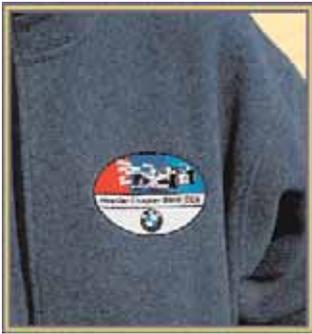
It was a dark and stormy night, well not really, but I didn't know how to start! Your very own Hoosier Chapter hosted one of the longest running driver's schools in the country on April 17-18, 2010. As promised the previous year, the weather was perfect with clear blue skies greeting eager participants. Like a well-oiled machine, they assembled for their introductory meeting, prepared their cars for the track, attended classroom instruction and practiced their driving skills on Putnam Park Road Course. Neil Maller, National Driving Events Committee Chair, assembled a team of the finest in car and classroom instructors in the region, while Rob Norwalk served as our Safety Steward. Several other Hoosier volunteers kept the event on track. A sincere thanks to you all. Saturday evening at the host hotel there were many stories recounted of the day's activities ("Exactly where do you enter Turn Four?") while enjoying a pizza buffet.

Like many years before, Rick Vaughn opened Vaughn Motorwerks on a Saturday three weeks prior to provide free inspections of participant cars. This schedule allowed mechanical deficiencies to be corrected before the event. A big thanks to Rick! Sound like fun? Mark your calendars now and start planning to come back or attend your first Rites O' Spring. Watch Roundel, Hoosier Tracks and our web page for event announcements.



A sight seldom seen. Hoosier Chris Dunlap waving several back markers around proving, Chris really does look in his mirror now and then.

## LOGO WEAR



Club Logo Gear from shirts to caps to computer cases are now also available online at our club's own store. Even kids' stuff! Just go to the Hoosier Chapter website: [www.hoosierbmw.com](http://www.hoosierbmw.com) and click Online Store on the left side.

## E-MAIL UPDATES

If you are not getting regular e-mail updates of Hoosier BMW Club events, be sure to go to the Hoosier website, [www.hoosierbmw.com](http://www.hoosierbmw.com) and sign up. Just click on the link, E-Mail Updates and fill out the form to subscribe.

## MEMBERS' MAGIC MOMENTS

Whether it's your bimmer set against an unforgettable background or just that perfect car shot that inspired you, it can be a magic moment. Take your best car shots and send them our way with a description of the magic you see in it; we might publish it. Every quarter, we will feature one or two members' shots in the newsletter and on the website. File size should be no smaller than 1.2 MB and around 1500 pixels. Send them to: [newsletter@hoosierbmw.com](mailto:newsletter@hoosierbmw.com). Subject should say: **BMW Photo**.



Photo by Matt Hyman / Carmel, IN

Things you can carry on the roof of your X5.

## TECH TIPS



## OEM Headers & Horsepower

Compiled from articles on [howthingswork.com](http://howthingswork.com), [eHow.com](http://eHow.com) and [carcraft.com](http://carcraft.com) by Tim Rolfson

### Airflow:

For those seeking maximum HP, U.S. OEM headers for the E46 M3, with the catalytic converter built directly into the headers are what you are looking for. The design is effective for quickly heating the catalytic converters and passing cold-start emissions testing, but it robs the vehicle of horsepower and torque. This choking of exhaust gas flow creates an enormous amount of backpressure, reducing the engine's ability to remove "old" exhaust gases from its cylinders. Headers, such as Super-sprint seen below, because of their larger tube diameter and smooth bends, allow gases to move more freely from the engine into the exhaust system. This has the effect of allowing energy, normally wasted in forcing exhaust gases through the manifolds, to instead be transferred to the flywheel.

S54 OEM Header



### Scavenging:

The improved airflow capability of headers has the benefit of increasing the effect of "scavenging," where the increased velocity of the exhaust gases moving through the headers creates a vacuum effect, helping to pull spent gases from the cylinder chambers. This allows the cylinders to be more quickly emptied of spent gases and refilled with a fresh fuel and air charge.

Step Header



### Back Pressure:

If air resistance makes it hard for exhaust to exit a cylinder, it robs the engine of power. In stock exhaust manifolds, the exhaust flow from each cylinder can collide with one another creating "back pressure," and the engine must expend energy to overcome this effect and force the gases through the manifold. Headers separate the exhaust flow from each cylinder, reducing back pressure, which allows the engine to use less energy expelling spent gases.

### Supersprint Exhaust



This freed energy translates into more horsepower. Exhaust systems that are high-performance use a mixture of headers, mid-pipes and free-flowing mufflers to eliminate back-pressure in the exhaust system.

### Combustion:

Headers allow the engine to more totally empty the spent gases from the combustion chamber. This creates more room in the cylinder for a fresh charge of fuel and air, which creates more powerful combustion of gases. The more powerful ignition of gases in each cylinder equals an overall increase in the total horsepower of the engine.

### Overlap

Overlap is the small moment when the intake valve and exhaust valve are both open. Headers create a vacuum pulse that exerts a pull on the cylinders during this moment of overlap. This vacuum effect helps to pull fresh fuel and air into the combustion chamber while the intake valve is still open, increasing the speed in which it fills, and the amount of charge that fills it. This translates into a faster and larger explosion of fuel and air in the cylinder when ignited, creating more energy.

## 2008 HOOSIER BMW CCA OFFICERS

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D&R BMW South:	Jerry Reamer	317-738-2658

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Chief Steward:	Rob Norwalk	
Tech Advisor:	Rick Vaughn	317-873-6632

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# Vaughn MOTORWERKS

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We're a reliable, friendly shop for all your post-warranty service. If you want to improve your car performance, Vaughn's is the place. Rick Vaughn and his team of top technicians take great pride in exceptional workmanship and fast, dependable service, all at a fair price.

Vaughn Motorwerks is a proud member of the Hoosier BMW Car Club.



**Get to know our team:**  
Chris Lazaro, Craig Cook,  
Chris Miller, Jody Perkinson  
and Rick Vaughn.



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