

# N O R D S T E R N



**PORSCHE**

*July*

*2003*

*Dedicated to the belief that . . . getting there is half the fun.*

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Want Ad insertions are free for Nord Stern members, \$10 for nonmembers and should be sent to the editor. Display advertising rates can be found on page 3. Contact the advertising manager for further details.

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Front Cover - 37 years of Porsche 911s! Left to right: Roger Johnson's 2002 996, Dave Weisel's 1989 Silver Anniversary Edition and Bob Fleming's 1965 (previously owned by the Boeders who sold it to the perfect person, Bob, who has restored the car). Photo by Roger Johnson

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chairperson/s or Board members.  
Call Christie Boeder 952 593-5544.

## Address changes

### PLUS!

*"How to Join  
Nord Stern and/or  
Porsche Club of America"*

## Call Jon Beatty at

**952 934-6902**

or email:

**jon@minnetonkasoftware.com**

Leave your name, address  
and both home and work  
phone numbers.

Your application/s will be  
sent out right away!

## Address Changes:

**Name:** \_\_\_\_\_

**Old:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**New:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Send to:

**Jon Beatty**

**17113 Mtka. Blvd. Suite 300  
Minnetonka, Mn. 55345**

**Reminder: Annual Dues are:  
\$20 for January to December**

*Check your mailing label  
for your expiration date!!!!*

“ . . . went to the  
‘Back to the 50s’ at  
the State Fair  
grounds last Saturday  
. . . and had a grand  
time wanderingly  
around ‘oohing and  
ahhing’ over the  
wonderful styles of  
many different cars.  
My personal favorites  
happen to be the  
early 60s (1962, to be  
exact) Corvettes!

As a follow up on last month’s gasoline articles, a fellow Nord Stern member sent me a pdf file listing all the gas stations in Minnesota that sell non-oxygentated gasoline. It was 14 pages long (30 to a page!) so there are a number of them around. Obviously too many to list in Nord Stern but I did send the file on over to Mike Selner for possible inclusion on our website. If you would like to see it there (not sure if it has been posted, or not), let him know if you would like to see it online. Interestingly enough, Bruce and I went to the ‘Back to the 50s’ at the State Fair grounds last Saturday (June 20th - an indication as to the lateness of this issue, too!) and had a grand time wanderingly around ‘oohing and ahhing’ over the wonderful styles of many different cars. My personal favorites happen to be the early 60s (1962, to be exact) Corvettes! There was even a Volvo P1800 (we once had the hatchback version for awhile!) and this morning’s paper had a piece on a New Yorker who has his original 1966 Volvo P1800 with over 2 million miles. That really got my attention! Wow, goes to show you how a well-maintained can hold up - especially when it was a good car to begin with. We have always driven our Volvos (4 of them) as long as possible! And doing our best with the Porsches, too. But my point about the car show was to comment about what I read while in a Port-a-Potty (they have your attention!) and it happened to be about a lead additive for sale at the car show! It reassured me that it was ‘user friendly’ and wouldn’t lift the paint! Talk about targeted marketing. Important stuff!

Only other thing I wanted to point out concerns our big upcoming event: the Annual Club Race. We have tons of info on it on page 18 and 19. Be sure to take a look. Since this is our fundraiser for Courage Center, there certainly are lots of reasons for the non-drivers (and drivers!) to stop in and take a look at the goodies there will be for sale (really, really neat t-shirts, for example) and all the auction items. It truly is fun and Brainerd is always a fun place to head on up to. Especially now that Paul Bunyan and Babe will be moved this fall (and split up!) - last chance to see them in the original! I still remember the ‘Hello, Christie from Dearborn, Michigan’ booming out at me and frankly scaring the 7 year old me!

## Nord Stern Newsletter - Advertising Rates

Size Ad Size	Frequency: x1-5	x6-11	x12
Full pg.	\$112	\$98	\$63
1/2 pg.	70	63	42
1/4 pg.	42	36	26
1/8 pg.	N/A	28	16
Inside Covers	N/A	N/A	74
Back Cover	N/A	N/A	84

### Ad Sizes:

Full Page:	7" wide x 10" High
1/2 Page:	7" wide x 4-3/4" high
1/4 Page:	7" wide x 2-3/8" high
1/8 Page:	2-1/8" wide x 4-3/4" high
Back Cover:	7" wide x 7" high

Color: All ads appear in black and white

All advertising materials can be camera ready (photostat or veloux, 100-line screen). This service available upon request. Or can be submitted on disk - Mac preferred.

Apex .....	IC
Art of Racing .....	35
Autobahn, Inc. ....	4
Auto Edge .....	12
Carousel Automobiles .....	14
Carver Trails Landscape .....	35
Collision Center, Inc. ....	29
Complete Garage .....	21, 26
Courtney Truck Service .....	5
Donnybrooke .....	21, 28
FlatSix .....	23
GarageTek .....	23
Johnson Autosport .....	IBC
Leighton's Garage, Inc. ....	10
Maplewood Imports .....	14
Mortgage Marketing Associates .....	26
Nurburgring, Inc. ....	28
Peterson Pools & Spas .....	BC
Pinnacle Signs .....	15
Royal Tire .....	22
Sears Imported Autos .....	15
United Mortgage .....	33

## Welcome . . . New Members

(and returning members!)  
We hope to see you  
at upcoming events!



### So, Just What Do We Do In Nord Stern??!

A *brief* synopsis of activities and events offered by your club, Nord Stern, and/or PCA or, just enough info to pique your interest??!

**Autocross:** A driving event, teaching one how to maneuver one's car around a set course of pylons on a closed circuit. Instruction is available, drivers compete against the clock. No modifications to one's car are necessary. Some safety equipment needed (helmet).

**Concours:** A setting where Porsches are displayed for general viewing and/or inspection competition. Experienced judges evaluate the various models based upon cleanliness, overall condition and authenticity.

**Driver Training:** A driving course designed to teach and enhance high speed driving skill and technique on an actual racecourse. Training includes classroom sessions, on-track 'exercises' plus supervised lapping sessions.

**Driver Education:** High speed driving event on a closed-course racetrack (Brainerd, Blackhawk Farms) where drivers are grouped according to prior lap times. Instruction is available. Mounted fire extinguisher is required, performance enhancements are frequently made (but not required!).

**Time Trials:** On course timed lap with controlled starts and exiting.

**PCA Club Racing:** Wheel-to-wheel competition between drivers who hold PCA club racing licenses. There is a race class for every model Porsche. Safety modifications to your vehicle required.

**Rally:** An event wherein a driver and co-driver complete a predetermined route along open roads following a specific set of navigational instructions. Can be a TDS (time-distance-speed) or a 'fun' rally.

**Social:** Organized gatherings of club members, affiliates and family member to meet, eat and drink beverages! See our motto on page 1!

**Tech Session:** Casual educational session that span a wide range of topics, from general maintenance, through Concours prep, performance enhancements and general car/mechanical knowledge!

## No New Members This Month!

*“As I look back at old notes, emails and newsletters, I see this is typically the complaint season. I am very happy to relay that to date I have had no negative issues brought to my attention on how the club is doing.”*

July is here and the heat is sure to follow. To me this means poor air and less horsepower at the track. To others it means your butt is sticking to the seat of your flashy cabriolet. Possibly the heat means short tempers and more road rage. Where we are not feeling any heat is in concerned feedback from our members. As I look back at old notes, emails and newsletters, I see this is typically the complaint season. I am very happy to relay that to date I have had no negative issues brought to my attention on how the club is doing. I strongly feel one of the reasons so many members are satisfied with Nord Stern is the simple fact that our Chair's take their jobs very seriously and do a fantastic job. All of our events have been well planned and well attended. My second reason is participation. Our calendar of events is laid out for everyone. Attending events will show you how much fun they are and how well they were put together. From a source at National, participation around the country is down overall. I think we are doing a good job as Nord Stern members trying to **NOT** fall into this category. As outside costs continue to increase and participation lacking by some, it will become more and more difficult to keep our books in the black. An unattractive fix is to raise the cost of each event. This, in my opinion, benefits nobody. A simple yet effective solution is to increase participation. This is the principle we have operated on all year. So I ask of you one more time, to open your mind to new and exciting adventures. If you have never done a Friday Night Social, try it. If you have never attended a DE or Club Race, go see one. If you have never slowed down to see the pretty colors, join in on the Fall Color Tour. Our club offers a great variety. I recommend you try them all.



# Automotive Poster Art - Truly Collectible!

by Mike Jekot

*"I personally like my automotive posters from the 1930s through to the late 1950s. In this thirty-year span you can find classic race images of the big land speed runners from Germany to the definitely garish state fair dirt track runners. Each has their strengths, charm and nuances that make them special."*

Automobile poster art is a great collectable especially if your enthusiasm runs towards racecars or events automotive. Save for the very rare or survivor printings it can be an extremely satisfying hobby with the side benefit of not costing a lot. There are plenty of reproductions out there and the web has helped many find a whole world of great and reasonably inexpensive automotive event art. I personally like my automotive posters from the 1930s through to the late 1950s. In this thirty-year span you can find classic race images of the big land speed runners from Germany to the definitely garish state fair dirt track runners. Each has their strengths, charm and nuances that make them special.

All posters for these events were created as promotional pieces meant to 'get the word out and sell some tickets.' In 1930s Europe, I can see kiosks plastered with the latest printing advertising the next race at the Nurburg Ring depicting one of the monster cars from that era. Each poster filled with information about the event. Every poster created, even then, must be a mix of visual and written words that to be successful must communicate, who, what, when and where. But did you ever ask how? That is, how do these posters get created? Who was the artist? Well there's a promoter behind each poster and an artist and often some go between like an agent. I cannot speak to the grand poster illustrators from those bygone days but I can share with you my experience with a very current event. The German AutoFest, Ventura California.

Last year, 2002, I was asked by Bob Campbell, the promoter and organizer of this fun weekend, if I would be interested in creating a poster for his event held in mid-September. The timing was very short but upon completion of the artwork Bob did still manage to print posters and t-shirts for his event. The painting, the original artwork, for the poster was displayed in my booth at the Ventura event along side my more serious automotive art. The poster artwork was intentionally less than serious, fun was the operative word and this year's 2003 poster is no exception. Remember that the poster art is more about promoting. So, for this poster we've again focused all of

the emotion on the event and made room for the, who, what, when and where, especially the where.

In planning the 2003 poster Bob had an interesting commentary on the specific placement of the word 'Ventura' which differed from the previous year. He was asking to place the name of the host city at the top and make it bold, suggesting we move the event logo for German AutoFest to the bottom. His rationale was that as much as he has promoted the event as the German AutoFest people always referenced it as the Ventura event. Asking: "Are you going to Ventura this year?" Looking back at some of the more popular posters out there I can



Continued on page 32





*Under the tent with Auto Edge*

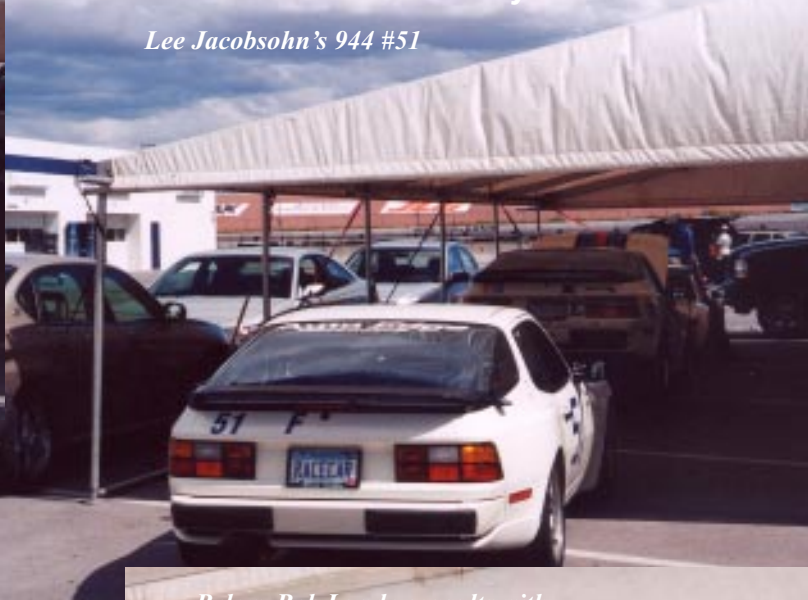


*Not # 621 with Nord Stern!*

*Photos by Mark McArdle*



*Nick Summer's 914 - looks like sunburn opportunities!*



*Lee Jacobsohn's 944 #51*



*Getting on Track*

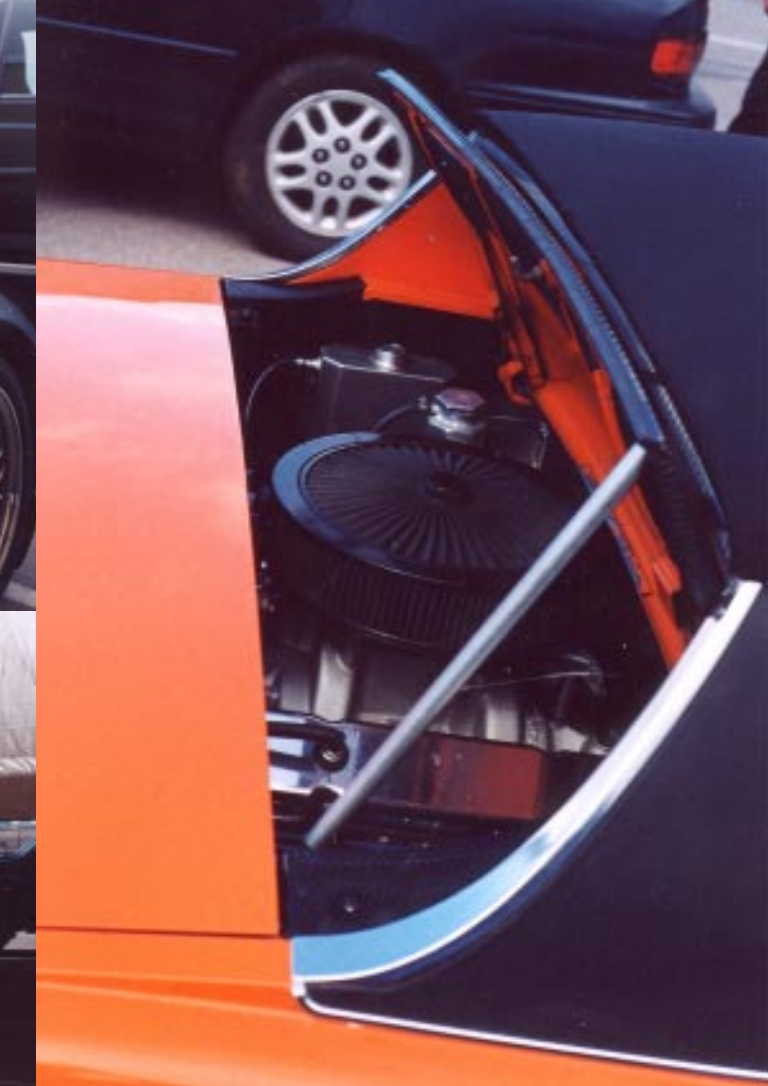


*Below, Bob Lunde consults with Bob Viau with his new car!*



*Hmmm, I think there's enough room for all those spectators!*





*More than one way to get around in the paddock!*



*I liked this shot . . . hmm . . . don't think the humvee is going to fit in the transport!*





# *The Best Shot from Vegas*

Photo by Mark McArdle



*Bob Eubanks asking  
the best question in  
the world:  
“What Would You  
Do with \$1,000,000?”  
Now, let’s think about  
this. I am at a Club  
Race, surrounded by  
gorgeous Porsches of  
both the street and race  
variety. Gee, I wonder  
how Mark would have  
answered this question!  
Unfortunately, Mark  
didn’t get the chance to  
answer - but we  
undoubtedly know  
what he would  
have said!*

# Club Race Driver Education

## Friday, Saturday & Sunday, August 8-10, 2003

*Brainerd International Raceway is a superb, three-mile road course,  
situated six miles north of Brainerd, Minnesota*

- **Eventmaster/s:** Scott Kuhne (scottkuhne@yahoo.com) and Don Miller 952 474-1261
- **Cost:** \$120 per person; \$100 second person, same car
- **Requirements:** Snell 95 or newer helmet, A fire extinguisher (5 b-c min.) is required. It must be securely mounted using a metal bracket, roll bar (to Club Racing specifications) for cabriolets, 96 db noise limit, PCA Membership Card & valid driver's license
- **Experience:** To participate, you must have Nord Stern or other approved driver's training experience.
- **Tech Inspection:** Mail in form with registration, form available in Nord Stern or downloadable from Nord Stern website (PDF format) [www.nordstern.org](http://www.nordstern.org)
- **Refund Policy:** **Registration deadline is August 1st. Late Fee: \$40, however, FULL refund if you cancel by calling at least one day before event.**

*Rush this form along with your check payable to Nord Stern to:*

Janine/Todd Knettel  
1108 Goldenrod Lane  
Shakopee, MN 55379

Driver \_\_\_\_\_

Co-Driver \_\_\_\_\_

Phone(Wk/Hm) \_\_\_\_\_ email: \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Car \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_

Check one: First Fling \_\_\_\_\_ June Fling \_\_\_\_\_ Club Race DE \_\_\_\_\_ Last Fling \_\_\_\_\_

Best Time BIR \_\_\_\_\_ Best time co-driver BIR \_\_\_\_\_

NS Assigned Car Number(s) \_\_\_\_\_

*"In consideration of being permitted to use the BIR facility under the track rental lease of Nord Stern, I agree to be solely responsible for any and all property damage to the BIR facility caused, in whatsoever manner, by myself, or a registered co-driver either in the vehicle which I have registered, or in another vehicle, within seven (7) working days of invoice by it for all reasonable property damage which it has been billed, or which it paid to the operators of BIR for property damage to the BIR facility in which I, or my vehicle was involved. Nord Stern Region reserves the right to exclude any individual."*

Signed: \_\_\_\_\_

Co:Driver \_\_\_\_\_



Left to right, **Bob Fleming**, **Roger Johnson**, **Jim Holton** and **Dave Weisel** enjoying the photo shoot with ad agency, Carmichael-Lynch. See cover photo! I could call these the ‘four wise men of Nord Stern!’ or the ‘four grand ole’ men of Nord Stern (you will note that is not ‘old,’ but ‘ole’!) as these guys embody many years of club activism and enthusiasm between them!

## ***Countdown to Rally for Nord Stern!***

### **“Gimmick Bar-B-Que Rally”**

**Sunday, July 27, 2003**

**Registration 10 am; First car out at 11 am**

**Start: Nicklow's & Son's Fine Foods (formerly Sherlocks)  
Crosstown 62 and Shady Oak Rd. turn left into  
parking lot off Red Circle Dr.**



**Join in as we hunt for treasure, solve clues  
& wind our way to:**

**Luis Fraguada's home  
2288 Promise Ave.  
Shakopee 952 496-2288**

**for Barbeque and Beer!**

**RSVP, by July 20th**

**via Fax 952 402-0326**

**or email all info to: lfraguada@mmm.com**

**Cost: \$15 per participant,  
payable to Nord Stern**

### **“Gimmick BarBeQue Rally”**

#### **Registration**

**Driver Name:** \_\_\_\_\_

**Co-Driver Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone #:** \_\_\_\_\_ **Email:** \_\_\_\_\_

**Car Model:** \_\_\_\_\_ **Year:** \_\_\_\_\_ **Color:** \_\_\_\_\_

**Please fax to Luis Fraguada at: 952 402-0326**

**or email this information to: lfraguada@mmm.com**

**Please RSVP before July 20th for planning purposes!  
However, latecomers will be welcome**

**Rally should take approximately 3 hours, detailed info available at the rally  
Other questions? Call Luis at 952 496-2288**







# On View at Maplewood Tech Session

photos by Luis Fraguada, Sr.



All photos above were taken at this past winter's tech session at Maplewood where the new Cayenne was presented and featured for members attending.

Editor's Note: I have to say that when I finally had the opportunity recently to see a Cayenne up close it surprised me as to what a *great* looking vehicle it truly is. It was more compact, sleek and powerful looking than I expected. Photos just don't do it justice! Now, I am looking forward to that opportunity to drive one—am guessing I will be equally impressed!



# Blackhawk Farms DE & Time Trial

## Thursday & Friday, August 28 & 29, 2003

*Blackhawk Farms is a challenging, nine turn, 1.95 mile track located just south of Beloit, WI, an easy 5 - 6 hour drive from the Twin Cities. The track is newly resurfaced and features a paved paddock.*

**Since Harley-Davidson will be in Milwaukee, accommodations are scarce:  
A block of rooms have been set aside at the Ramada Inn in S. Beloit.  
Call 815 389-3481 and mention rate code: PCA**

■ **Eventmasters:** Ron Lewis 952 932-0505 and Randy Hallenbeck 262 538-0728

■ Nord Stern 2003 Autocross Championship Series event.

■ **Cost: One Day:** \$180 1st driver, \$150 2nd driver. Two Day: \$250 1st driver, \$220 2nd driver. **Late fee: \$40.**

■ **Registration:** Registration limited to 50 drivers to maximize track time. Registration must be postmarked by August 7th to avoid

late fee. No refunds for cancellation after 8/21/03.

■ **Requirements:** Snell 95 or newer helmet, 2.5 lb. mounted fire extinguisher, roll bar (to Club Racing specifications) for cabriolets, 96 db noise limit, PCA membership card, valid driver's license, long sleeve cotton shirt.

■ **Tech Inspection:** Cars must pass tech inspection. Tech location, time and host hotel will be identified in your registration package. For more information contact eventmasters.

***Rush this form along with your check payable to PCA/Milwaukee Region to:***

Randy Hallenbeck  
P.O. Box 445  
Merton, WI 53056

Driver \_\_\_\_\_ Phone # \_\_\_\_\_  
Ability Level (check one) \_\_\_\_\_ Novice \_\_\_\_\_ Intermediate \_\_\_\_\_ Exper. \_\_\_\_\_  
Second Driver \_\_\_\_\_ Phone # \_\_\_\_\_ Ability: N/ I / E (circle one)

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Car \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_

Are you an Instructor? Yes/No \_\_\_\_\_ Would you like an Instructor? Yes \_\_\_\_\_

NS Class (if known) \_\_\_\_\_ Car numbers, if known \_\_\_\_\_

Driver #1 Dates Attending \_\_\_\_\_ Entry Fee: \_\_\_\_\_

Driver #2 Dates Attending \_\_\_\_\_ Entry Fee: \_\_\_\_\_ Total: \_\_\_\_\_

*"In consideration of the use of the facilities at Blackhawk under the rental lease of Milwaukee Region, I agree to be solely responsible for any property damage to the Blackhawk facility caused in whatsoever manner, by myself, or a registered co-driver either in the vehicle which I have registered, or in another vehicle, and shall pay within seven (7) working days of invoice for all reasonable property damage in which I or my vehicle was involved."*

Signed: \_\_\_\_\_ Co:Driver \_\_\_\_\_

# Nord Stern Annual Brainerd Club Race

**Friday, Saturday & Sunday  
August 8, 9 and 10**



## **Club Race to Celebrate Courage Center's 75<sup>th</sup> Birthday!**

Courage Center, a leading rehabilitation and resource center for children and adults with disabilities, will again be the beneficiary of our PCA Club Race. Opportunities abound to help raise money – bring your check book or credit card and be prepared to bid big and bid often!

Silent and Live auction of a wide variety of must-haves, ranging from goodies for your car to goodies for you, your home and your garage.

- ❖ Loonacy-logo'd items available for purchase:
- ❖ Jackets, sweatshirts and t-shirts

Complete sets of the Carmichael-Lynch designed Race Posters

Track laps over the noon hour – experience Brainerd International Raceway yourself

Silent and Live Auctions will be 6 pm Saturday, August 9, in the Carousel/Maplewood Hospitality Tent

Courage Center offers comprehensive, lifelong services to people of all ages with physical disabilities. Courage has transformed hundreds of thousands of lives, helping people regain their health and independence so they can live more productive and fulfilled lives. By providing a full range of services that include physical rehabilitation, mental health programming, vocational services, camping, recreation and community-based programs, Courage helps turn disabilities and abilities into possibilities.

For 75 years, Courage has been a pioneer in providing services and advocacy in the disability field. It developed the first camp for children with disabilities in the 1930s, led the nation in identifying architectural barriers in public buildings in the 1950s and 60s, created the Courage Center residential rehabilitation facility in the 1970s and helped found a new health care delivery model for people with disabilities in the 1990s. Courage has also been an innovative leader and partners with other organizations - such as Habitat for Humanity to build accessible housing – to meet individual needs. The organization was recently cited by *Twin Cities Business Monthly* as the second most respected nonprofit in the State of Minnesota, after the Mayo Clinic.

We need your support of Courage Center - bid on silent and live auction items, purchase that logo'd jacket or drive noon-time laps. Help Nord Stern make a difference in the lives of people with disabilities.



# Countdown to Club Racing . . .

by Roger Johnson, Club Race Eventmaster

*“Want to get a driver’s eye view of the track? Again this year, we will be selling parade laps at noon on both days. All money goes to Courage Center. Be sure to stop in the tent on Saturday afternoon and bid on items . . . around 6 pm, a live auction of great stuff will take place.”*

This month I want to touch on the Club Race from the spectator’s point of view. We talk a lot about what the participants will be doing, but what’s there for me, a spectator?

Lots! First there is all the cars. This is the biggest PCA event in the area if you like Porsches, well, there will be hundreds. Pretty much every model, year, and configuration can be found. This year **Carousel** and **Maplewood** will have a tent set up and new cars will be on display. We plan to use a new Cayenne as the pace car. They will also be selling accessories and lots of goodies. Nord Stern will be selling some shirts and other items to benefit Courage Center.

For watching the race it couldn’t be better. The entire infield is open and you can watch from any place you like. Same is true for the paddock. You can wander to your hearts content. All the buildings are open and if you have some time, visit with any of the drivers. Be warned, however, they are enthusiasts and you may have a hard time getting away! Climb up to the top of the tower and watch the cars from there. You can see for miles, even to the end of the front straight!

Want to get a driver’s eye view of the track? Again this year, we will be selling parade laps at noon on both Saturday and Sunday. All money goes to Courage Center. Be sure to stop in the tent on Saturday afternoon and bid on the items in the silent auction. Then later, around 6 pm, a live auction of some great stuff will take place. Items we have had in the past include a driver’s suit worn in the Indy 500 from Target-Chip Ganassi Racing, watches from Porsche, various travel / entertainment items, art work, jewelry, even a drive in a GT-3R race car. The bidding is also extremely entertaining.

The best part? It’s free to PCA members! Drive in the main gate, stop and sign a waiver, and then come explore the paddock. Don’t know anyone? Just say “hi” to someone you see and get that issue resolved instantly! See you at BIR.

# Club Race to Benefit Courage Center . . .

by Bobby Piper, Fundraiser Extraordinaire!

*“Courage Center needs your help! Non-profits are getting hit very hard in these times of budget cuts and a tough economy.”*

It’s Auction Time! 6:00 pm Saturday, August 9<sup>th</sup> after the Club Race Enduro. Do you have any goods or services you would like to donate for the auction? Current donations include: **Weekend of fly fishing on the Bighorn River in Montana** from Harry & Mary Piper; **Half Day Lake Minnetonka Boat Excursion for 8 with beer, wine, hors d’oeuvres** from Bobby & Molly Piper; **Lindey’s Steak House gift certificates** from Steve Lindemer; **“Cool old Porsche stuff”** from Fred Senn; **New Porsche “Laguna” jacket; new brake bleeding kit and a set of wheels; \$200 Gift certificate from FlatSix** from Aaron Hatz.

Non-profits are getting hit very hard in these times of budget cuts and a tough economy. Any and all items are acceptable. There will be a silent auction for items under \$200 and a live auction for those above that value. Please contact me with any questions or to make a donation. Thanks in advance for your help! Contact **Bobby Piper** at: [rpiper@urmmortgage.com](mailto:rpiper@urmmortgage.com) w) 952/837-6535 or c) 612/599-2877.

# Kalender

## July

2003

- 11 **Nord Stern Friday Night Social**  
**Location: Toby's On The Lake (Oakdale on Hwy 120 at I94), Time: 7:00 pm**  
 Eventmaster: Roy Henneberger  
 R.S.V.P. 952 454-7716 or henneb@charter.net
- 14,15 **Nord Stern Driver Education at Road America**, Monday/Tuesday event See Pg. 36
- 27\*\* **"Gimmick Rally" See pg. 33**  
**Eventmaster: Luis Fraguada, Sr.**  
 Call for info/volunteer 651 733-6337 (work)  
 952 496-2288 (home) See Pg. 13

## August

2003

- 8 **Nord Stern Driver Training and/or Driver Education** at BIR See pg. 11
- 9, 10 **Nord Stern Driver Education & Club Race**  
 See pages 18 and 19 for details.
- 15 **Nord Stern Friday Night Social**  
**Location: Maynards in Excelsior**  
**Time: 7 pm**  
 Eventmaster: Roy Henneberger  
 R.S.V.P. 952 454-7716 or henneb@charter.net
- 17\*\* **Annual Concours at Afton City Park**  
**Sponsored by Maplewood Imports and Carousel Automobiles**  
 Eventmasters: Mitch Berry 952 882-2959  
 and Jeremy Peterson 952 361-6434 See Pg. 27
- 23 **Nord Stern Autocross at St. Cloud**  
 Eventmaster: Help needed
- 28,29 **Nord Stern at Blackhawk Farms**  
 Eventmaster: Ron Lewis 952 932-0505  
 See Pg. 17

## September

2003

- 2 **Nord Stern Business Meeting - 1st Tuesday**  
**Location: TBA Time: 6:30 pm**  
 Eventmaster: Scott Anderst 651 462-0526 or  
 SAnderst@braille-scs.com

- 12 **Nord Stern Friday Night Social**  
**Location: Town Hall Brewery—Mpls. at 7 Corners, Time: 7:00 pm**  
 Eventmaster: Roy Henneberger  
 R.S.V.P. 952 454-7716 or henneb@charter.net
- 19 **Nord Stern Driver Ed** at BIR  
 See Pg. 26
- 20,21 **Nord Stern Driver Education—Last Fling**  
 At BIR  
 See Pg. 26
- 26-28 **11th Annual Nord Stern Fall Color Tour—Blue Fin Bay**  
 Eventmaster: John Dixon 952 939-9071 or  
 email at: eyerack@tcq.net

## October

2003

- 7 **Nord Stern Business Meeting - 1st Tuesday**  
**Location: TBA Time: 6:30 pm**  
 Eventmaster: Scott Anderst 651 462-0526 or  
 SAnderst@braille-scs.com
- 10 **Nord Stern Friday Night Social**  
**Location: The Black Forest Inn at 26th Ave. and Nicollet Ave. S.**  
**Time: 7:00 pm - Octoberfest Time!**  
 Eventmaster: Roy Henneberger  
 R.S.V.P. 952 454-7716 or henneb@charter.net
- 18 **Nord Stern Annual Dinner and Awards**  
**Location & Time: TBA**  
 Mark your calendar now to join as we celebrate the year with a multimedia presentation!

## November

2003

- 4 **Nord Stern Business Meeting - 1st Tuesday**  
**Location: TBA Time: 6:30 pm**  
 Eventmaster: Scott Anderst 651 462-0526 or  
 SAnderst@braille-scs.com
- 14 **Nord Stern Friday Night Social**  
**Location: TBA - seeking suggestions!**  
**Time: 7 pm**  
 Eventmaster: Roy Henneberger  
 R.S.V.P. 952 454-7716 or henneb@charter.net

**\*\* Note Newer Events!**



## **December**

**2003**

- 2     **Nord Stern Business Meeting - 1st Tuesday**  
      **Location: TBA   Time: 6:30 pm**  
      Eventmaster: Scott Anderst 651 462-0526 or  
                      SAnderst@braille-scs.com
- 12    **Nord Stern Friday Night Social**  
      **Location: The Dock in Stillwater**  
      **Time: 7:00 pm**  
      Eventmaster: Roy Henneberger  
      R.S.V.P. 952 454-7716 or henneb@charter.net





# Last Fling Driver Training

## Friday, September 19, 2003

at Brainerd International Raceway

■ **Eventmasters:** Lee Jacobsohn 952 922-8485 and Dave Ingraham 612 799-0520

**Novice Class:** For drivers who have not attended a (or attended no more than one) Nord Stern high speed driving event at Brainerd Raceway. This class will prepare you to safely participate in Nord Stern Drivers Education events. Cost \$110 per person ( one driver per car). Limited to 20 students.

**Intermediate Class:** For drivers who have attended the Nord Stern Novice Class, or similar high speed school utilizing production based street cars, and have participated in less than six DE event sin the last six years. This class builds on the topics covered in the novice class with a concentration on advanced car control techniques and cornering lines. Cost: \$110 per person (one driver per car). Limited to 20 students.

**Advanced Lapping Sessions:** For drivers who have attended the Nord Stern intermediate school in the past and desire additional track time. Two lapping session will be provided on Friday afternoon. Instructors may be available at the driver's request. Cost \$55. Limited to 24 cars.

**Requirements:** Car must have passed a Nord Stern annual Tech inspection in 2003. Open top cars must have factory rollover protection or a roll bar that meets PCA club racing rules. Must be a valid PCA member and have a valid drivers license, must be over 18 years of age.

**REGISTRATION AND PAYMENT MUST BE RECEIVED BY September 12th, LATE FEE \$25**



**Rush this form along with your check payable to Nord Stern to:**



Lee Jacobsohn  
4849 Russell Ave. S.  
Minneapolis, MN 55410

Driver \_\_\_\_\_

Phone(Wk/Hm) \_\_\_\_\_ email: \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Car \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_

Novice \_\_\_\_\_ Intermediate \_\_\_\_\_ Advanced laping \_\_\_\_\_

Class, if known \_\_\_\_\_ Prior high speed school? \_\_\_\_\_

*"In consideration of being permitted to use the BIR facility under the track rental lease of Nord Stern, I agree to be solely responsible for any and all property damage to the BIR facility caused, in whatsoever manner, by myself, or a registered co-driver either in the vehicle which I have registered, or in another vehicle, within seven (7) working days of invoice by it for all reasonable property damage which it has been billed, or which it paid to the operators of BIR for property damage to the BIR facility in which I, or my vehicle was involved. Nord Stern Region reserves the right to exclude any individual."*

Signed: \_\_\_\_\_

# Last Fling Driver Education

## Saturday & Sunday, September 20 & 21, 2003

*Brainerd International Raceway is a superb, three-mile road course,  
situated six miles north of Brainerd, Minnesota*

- **Eventmaster/s:** TBA for each DE Event
- **Cost:** \$120 per person; \$100 second person, same car
- **Requirements:** Snell 95 or newer helmet, A fire extinguisher (5 b-c min.) is required. It must be securely mounted using a metal bracket, roll bar (to Club Racing specifications) for cabriolets, 96 db noise limit, PCA Membership Card & valid driver's license
- **Experience:** To participate, you must have Nord Stern or other approved driver's training experience.
- **Tech Inspection:** Mail in form with registration, form available in Nord Stern or downloadable from Nord Stern website (PDF format) [www.nordstern.org](http://www.nordstern.org)
- **Refund Policy:** **Registration deadline is September 13th. Late Fee: \$40, however, FULL refund if you cancel by calling at least one day before event.**

*Rush this form along with your check payable to Nord Stern to:*

Janine/Todd Knettel  
1108 Goldenrod Lane  
Shakopee, MN 55379

Driver \_\_\_\_\_

Co-Driver \_\_\_\_\_

Phone(Wk/Hm) \_\_\_\_\_ email: \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Car \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_

Check one: First Fling \_\_\_\_\_ June Fling \_\_\_\_\_ Club Race DE \_\_\_\_\_ Last Fling \_\_\_\_\_

Best Time BIR \_\_\_\_\_ Best time co-driver BIR \_\_\_\_\_

NS Assigned Car Number(s) \_\_\_\_\_

*"In consideration of being permitted to use the BIR facility under the track rental lease of Nord Stern, I agree to be solely responsible for any and all property damage to the BIR facility caused, in whatsoever manner, by myself, or a registered co-driver either in the vehicle which I have registered, or in another vehicle, within seven (7) working days of invoice by it for all reasonable property damage which it has been billed, or which it paid to the operators of BIR for property damage to the BIR facility in which I, or my vehicle was involved. Nord Stern Region reserves the right to exclude any individual."*

Signed: \_\_\_\_\_

Co:Driver \_\_\_\_\_





*You are cordially Invited to Attend Nord Stern's Annual:*

**Afton Concours d'Elegance**  
—Sponsored by Maplewood Imports  
and Carousel Automobiles—

**Sunday, August 19, 2003**  
**Afton City Park**

*Suggested Entry Donation: \$5, to benefit Cancer Kids Fund (please note!)*

*Park Opens at 8:00 a.m.*

Judging begins at 10:00 a.m.

Stay to enjoy the afternoon

Directions: East on I-94, south on MN 95 into the hamlet of Afton. The park is in the center of town on your right.

Eventmasters: Jeremy Peterson 952 361-6434  
& Mitch Berry 952 882-2959



Classes are: (air cooled):

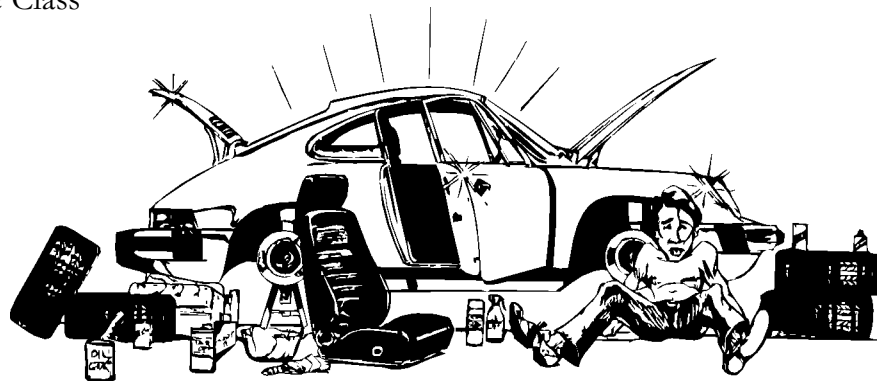
Early 4 & 6 cyl - 356(all) 914(all) 911(65-73)

Mid 6 cyl - 911(74-94)

Late 6 cyl - 993, 996, & Boxster

Front engine watercooled - 924, 944, 968, 928

Race Class





# Test your Porsche Knowledge:

compiled by Mary Ann Nowakowski, Chicago Scene

1. The first Porsche was produced in what town?
  - A. Gmund, Austria
  - B. Neckarsulm, Germany
  - C. Stuttgart, Germany
  - D. Vienna, Austria
2. The 914, 356 and 986 shared what type of engine?
  - S. Boxster
  - B. Boxer
  - C. Rotary
  - D. Wenkle
3. The first Porsche model to have front engine/rear transmission layout was the:
  - A. 914
  - B. 924
  - C. 944
  - D. 968
4. In 1987, what was the 'first car in the world' to have standard driver and passenger airbags?
  - A. Chevrolet Corvette
  - B. Mercedes Benz SL
  - C. Porsche 944 Turbo
  - D. Audi Quattro
5. The prototype of the 986 Boxster was first shown at the 1993 Auto show in:
  - A. Detroit
  - B. Frankfurt
  - C. Paris
  - D. Chicago
6. What is Uusikaupunki?
  - A. A new Porsche color
  - B. A city in Finland
  - C. The German expression for "Fun to Drive."
  - D. The type of leather used for Porsche seats.
7. Which of the following models were "farmed out" by Porsche for production by others?
  - A. 356
  - B. 914
  - C. 968
  - D. All of the above
8. The Boxster S and Boxster differ in the following:
  - A. 252 Horsepower output in the Boxster S versus 220 in the Boxster.
  - B. 161 MPH top indicated speed in the Boxster S versus 155 MPH in the Boxster
  - C. Unladen weight of 2778 # in the Boxster versus 2855 # in the Boxster S.
  - D. All of the above

Answers: 1. A; 2. B; 3. C; 4. C; 5. A; 6. B; 7. D; 8. D.

## Clean Air

... continued from page 40

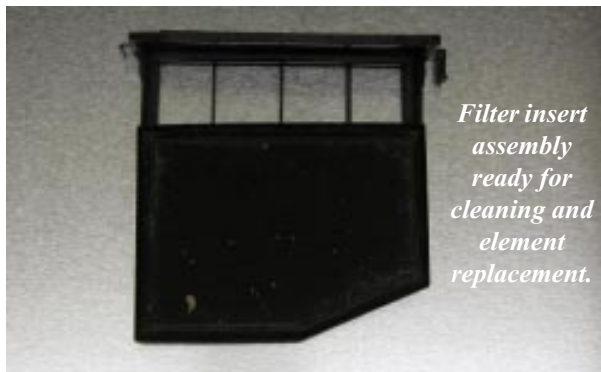
When you remove the separator, all the matter not contained in the filter falls to the bottom half of the housing. Be sure to thoroughly clean the filter housing out before installing the new filter element. Any dirt left in the hous-



ing will be sucked directly into the engine! I hope you didn't put that shop-vac away yet!

Be sure to get every last bit of debris out of the housing.

With the filter element insert out, discard the old filter and clean the assembly of and debris. Install the new filter



into the element insert and reinstall the insert into the housing. New filter part # is 996.110.131.04 and costs \$23.83.

To do this, push the filter all the way in, pressing on the filter element with your fingertips, not the filter cover. Af-



ter the element is fully inserted into the housing push on the cover top until the retaining clips lock into place.

Now that the filter replacement is complete, we can start closing the engine compartment:

- Replace the metal engine cover and lock down the fastening tabs.

- Replace the top carpet cover and lock down the fastening tabs.

- Replace the storage unit attaching it at the two inside and single top tabs.

- Open the top as was done earlier and pull the back of the top down into its original position.

- Reattach the retaining cables at each side of the top.

- Reattach the skirt where it fastens to the body.

- Activate the top to the closed position.

- Double check to see that everything is in place and nothing is binding or catching as the top operates.

### Engine air filter replacement – Carrera (996)



Engine air filter replacement is much easier on 996's. If you can't program your VCR, you can still probably handle this operation:

- Open the rear engine cover and locate the air filter housing.

- Locate the oil filler pipe, unclip it and move it aside (do not disconnect).



- Locate the throttle body and loosen the intake boot hose clamp with a screwdriver.

- Locate the plug at the mass air sensor.

Continued on page 32

# Discount Plan for members of PCA and Nord Stern Region!

Carousel Porsche and Maplewood Imports are pleased to announce an im-proved discount plan for members of PCA and Nord Stern Region. The new plan, which supercedes all previous plans, will be effective immediately and is available to all club members and associate/family members.

Members will be eligible for a 5% discount on annual purchases up to \$300, a 10% discount for purchases from \$301 to \$700, and 15% thereafter. In order to receive discounts, members will be required to present the new **Discount Card**, available at the dealership retail parts counter. Members must present a current PCA member card when requesting the **Discount Card**. There is no charge for the card.

**Discount Cards** will be punched by dealer parts staff in \$50 purchase increments at time of purchase. A card will be considered FULL when purchases total \$1000 in a calendar year. These FULL cards may be redeemed for a \$50 purchase credit and the completed FULL card will be entered in a year-end drawing for a significant prize to be determined by each dealer in consultation with Nord Stern representatives.

Discounts as noted above will apply to all items with factory part numbers. Items sourced outside factory channels (e.g., tires, other accessories ) may earn discounts at other rates, but purchase totals will still be punched on the **Discount Card** as above. Sublet items (e.g., paint, upholstery ) may not be included in this program.

Eligible purchases may be made at the retail counter, in the shop while repairs and maintenance are being done, or by phone. Punches on the card will only be made at the retail parts counter, so keeping receipts will be important to assure eventual full credit. Contact your Porsche Parts consultant in either dealership for full details and a new card.

This new plan offers members an improved incentive to purchase Genuine Porsche Parts and Accessories for their Porsches as well as an additional reason to maintain PCA membership.

For additional information:  
Mark Bouljon at 763-744-9170



## Ventura

... continued from page 31

see his point. Monte Carlo, Le Mans, Sebring, all places associated with the event—not the event. Admittedly great places and Ventura is in many ways one of these great destinations.

As before Bob had asked for several key elements to be included in the piece. These are points that he felt im-

portant to his event. His list went something like this: “*It should look very southern California, blue sky, Pacific Ocean.*” It should contain some reference to that strip of highway that has defined southern California since the car first dipped its wheels into the Pacific, Highway 101. That’s right—the Ventura Highway! The others were ‘a palm tree reference, the Ventura Pier [longest one in California], the name of the host city [Ventura] and the German AutoFest badge.’ Okay, that’s all in the background: what about the cars? Bob has some fairly strong opinions regarding his cars. The 2002 poster was all about Speedsterfest and showed an early 356 and a newer 911 Speedster hastily making their way presumably down the road to the event. This year’s poster is no exception, it’s Boxster®fest and Bob asked that the two cars on the poster be an early RS Spyder and the newest mid engine offering from Zuffenhausen. With all of that said Bob turned me loose to bring it all together. My comment to him was, “This is a lot of stuff.”

I’m pretty sure that most car enthusiasts out there have no idea what goes into the creation of an original work of art let alone a complex mix of many elements that needs to be shown in an advertising poster. I love my computer and



how it has streamlined some of my tasks but creating art and particularly these posters is for me steeped in a more traditional approach. Pencil, paper, canvas and paint. None of it created digitally, though the ability to scan and send sketches and progress reports is an essential component to the process.

Once all of the design criteria has been established, the who, what, where and when, I start to sketch the pieces, first on paper many times to see how all of the required pieces fit with each other. Remember Bob’s list? Here is where everything has to come together, the line or eye movement over the piece to be sure the viewer does not get lost or tangled up learning about the event and the cars placement. Once the sketch is completed it is scanned and sent to Bob for approval. This is a key moment for the piece. We talk, suggest, alter and refine to get to a place we can call “approved” so the work on the actual painting can start.

Next I transfer the sketch to the canvas, this is done via an opaque projector that enlarges the hand done sketch to fit the canvas. Many poster artists prefer to work on illustration board or some other material other than canvas and often the sketch is turned into the final piece. My work is done on a 30 inch by 40 inch canvas stretched over wood framing that holds the canvas taut, very old school. This is large and I’m sure Bob pays a bit of a premium to get the art scanned and converted into poster sized printable file however because of the size and texture of the canvas the final poster piece has a clarity that is indisputable.

Take a moment to view the following images that show the progress of the poster art painting. Posters will be available through the [german-autofest.com](http://german-autofest.com) web site. Enjoy the art and do get to Ventura this year, drop by my booth say hello. **Editor’s Note: Mike’s sketch is 8 by 10 inches while the finished painting measures 30 by 40 inches.**

## Clean Air

... continued from page 40

- Release the plug clips and remove the wiring harness from the sensor.
- Remove the first harness clamp on the right side of the housing.
- Loosen the single mounting bolt at the center of the filter housing. (Use a 13mm socket and extension to remove the 8mm mounting bolt).





## United Residential Mortgage

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Robert W. Piper  
work 952 837-6535  
cell 612 599-2877  
[rpiper@urmmortgage.com](mailto:rpiper@urmmortgage.com)  
Orange Car #38 F



Equal Opportunity Lender



- Lift the entire housing up and out of the engine compartment. When the housing is half way up reach around to the right side of the housing and remove the second clip holding the remaining section of the mass air sensor wiring harness.

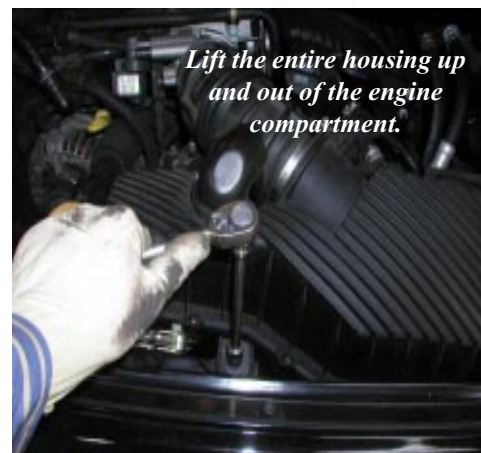
- Remove the housing completely from the engine compartment and lay it aside.

- Remove the seven screws holding the top and bottom housing pieces together.

- Lift the top piece off and remove the filter element.

- Clean both top and bottom halves and reassemble with new filter element.

- Reinstall air filter housing in reverse order of



removal.

- Air filter element part # is 996.110.131.52 and the cost is \$25.03.

N o w that's how all filter replacements should

go. Both you and your car can now breath easy!



# Looking Back . . .

by Roger Grimm, '68 Sand Beige 911 Coupe



In college, I used to process and print my own black & white. I recently stumbled across an old contact sheet and a few prints, stuck together from years of storage in what must have been occasional periods of high humidity. I managed to separate these three.

Without dates on the contact sheet or prints, I believe they're from the September 9, 1972 Can-Am race at Donnybrooke (Brainerd International Raceway, for those not old enough to remember the name). All of these photos were taken from turns 6 through 8, my favorite vantage points.

The first photo is the pace car, a 1972 Targa provided by Metropolitan Porsche Audi (note

the oil filler door on the rear quarter panel; it's one thing that helped date the photos).

Next, from one of the parade laps, we have the pair of 917/10Ks run that year by Roger Penske. Number 6 was driven by Mark Donohue and number 7 was George Follmer's car. If my web research is correct, Donohue's car was a DNF and Follmer finished 4th. Vasek Polak campaigned another 917, car number 0 driven by Milt Minter, that finished 2nd. François Cevert won the race in his number 22 McLaren M8F.

Finally—and if you think taking this picture was strange, you should see some of the other photos on the contact sheet



. . . I guess this was in my “art photography” phase—is the face of the Union 76 pump in the pits. That's right . . . you could pump the appropriate gas into your 1000 hp 917 for just \$.60 a gallon.

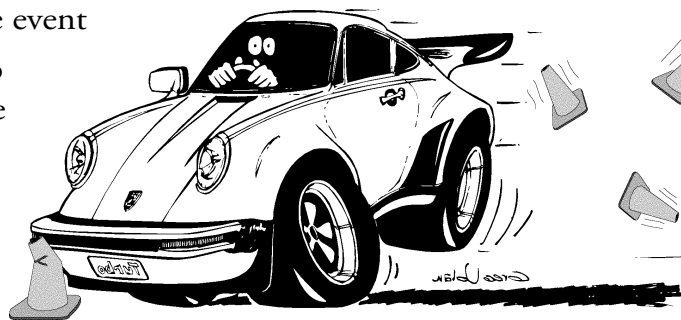
Of course, I probably took the picture because it was the most expensive gas I had ever seen and because I thought I would never see prices that high again . . . not in my lifetime.

Leaded regular in 1972 averaged \$.36 a gallon.

# St. Cloud Autocross

## Sunday, August 23, 2003

- **Eventmaster:** TBA
- **Cost:** \$35
- **Requirements:** Snell 95 or newer helmet,
- **Registration:** 9:00 a.m. at the event
- **Directions:** West on I-94 to St. Cloud, facility is on the north side of the highway just opposite the St. Cloud Prison.



**Don Miller**  
**Cell: 612.986.4033**  
**Home: 952.474.1261**

**Custom Grading**  
**Retaining Walls**  
**Landscape and more**  
**Specializing in Boulder Wall Creations**

***Carver Trails Landscaping***

# 9th Annual Nord Stern at Road America

## Monday & Tuesday, July 14 & 15, 2003

*Road America is located in Elkhart Lake, Wisconsin*

- **Eventmaster:**     **Dave Anderson 763 588-5308**
  
- **Cost:**                \$245 per person; \$165 second person, same car (prior to 7/8/03)  
                               \$265 per person; \$185 second person, same car (after 7/8/03)  
                               nonPCA: \$265 per person; \$185 second person, same car (prior to 7/8/03)  
                               nonPCA: \$285 per person; \$205 second person, same car (after 7/8/03)
  
- **Requirements:**    Snell 95 or newer helmet, A fire extinguisher (5 b-c min.) is required. It must be securely mounted using a metal bracket, roll bar (to Club Racing specifications) for cabriolets, 103 db noise limit, valid Driver's license, Completed Tech form
  
- **Experience:**        To participate, you must have Nord Stern or other approved driver's training experience.



Rush this form along with your check payable to Nord Stern to:

Todd & Janine Knettel  
1108 Goldenrod Lane  
Shakopee, MN 55379

Driver \_\_\_\_\_ Instructor: Yes/No

Co-Driver \_\_\_\_\_

Phone(Wk/Hm) \_\_\_\_\_ email: \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Car \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_

Best Time CBIR/RA \_\_\_\_\_ Best time co-driver CBIR/RA \_\_\_\_\_

Class (if known) \_\_\_\_\_ Car numbers, if known \_\_\_\_\_

*"In consideration of being permitted to use the Road America facility under the track rental lease of Nord Stern, I agree to be solely responsible for any and all property damage to the Road America facility caused, in whatsoever manner, by myself, or a registered co-driver either in the vehicle which I have registered, or in another vehicle, within seven (7) working days of invoice by it for all reasonable property damage which it has been billed, or which it paid to the operators of Road America for property damage to the Road America facility in which I, or my vehicle was involved."*

Signed: \_\_\_\_\_

Co:Driver \_\_\_\_\_

# **Porsche: Excellence Was Expected: The Comprehensive History of the Company, its Cars and its Racing Heritage by Karl Ludvigsen**

Hardcover, 9 1/2 in. x 10 1/2 in.

Three volume set

Bentley Stock Number: GPX

Price: \$239.95 with Pre-Publication Price: \$199.95

(plus \$12.95 domestic shipping)

When the first edition of *Porsche: Excellence Was Expected* was published in 1977, reviewers sang high praises for author Karl Ludvigsen and his monumental book. Now Ludvigsen surpasses these achievements with this fully updated edition of *Porsche: Excellence Was Expected*. This new edition includes augmented and edited versions of the 32 chapters from the 1977 book, as well as an additional 29 chapters that cover Porsche's history

Models in Volume 1:

<b>Road</b>	<b>Competition</b>
356	550
America	550A
Roadster	RSK
356 A	RS60
356 B	RS61
356 C	904
Carrera 2	906
911	908
912	910
911 S	911 R

through 2002. This three-volume, 1,574-page set contains the photos and

artwork from the original version, enhanced by over 742 new black and white photos and 50 new color drawings of Porsche production and racing cars which were commissioned specifically for this updated edition. Author Ludvigsen has outdone himself in presenting the inner workings, masterpieces and failures of an independent automaker that has exerted a disproportionately powerful influence on the automotive industry. If the first edition of *Excellence Was Expected* was "the definitive archetypal marque history," (Michael Scarlett, *Autocar*) this revision and update is much more so. Ludvigsen's masterwork is once again set to achieve new milestones, just as the company it chronicles continues to shape our very definition of the term "sports car."



Volume 1: Long an important force in the design of German automobiles, Porsche's first efforts at building its own vehicles matured in the early years after World War II in the unlikely location of a sawmill in Gmünd, Austria, and survived the internment of both Professor Ferdinand Porsche and Ferry Porsche. From those modest beginnings, author Ludvigsen takes the reader through Porsche's move back to Stuttgart and its first forays into racing with its road cars.

Soon, in the tradition of Prof. Porsche, the company defined itself as one that found its own unique engineering solutions to any challenge. For its own cars that meant exploiting the Volkswagen formula of a rear-mounted air-cooled engine driving the rear wheels. Those challenges also included competition, first at the local level and soon on the international stage. Class wins by 356 coupes and 550 Spyders at Le Mans soon yielded to overall victory in the 1956 Targa Florio.

Gradually the 356 evolved and matured. After a long and fruitful life it was superseded by the brilliant 911 in 1965. In the same way some of the old guard-such as Huschke von Hanstein who ran public relations and competitions-gave way to young leaders like Ferdinand Piëch. Meanwhile the company continued its march towards the highest levels of motorsports contests, scoring victories in endurance racing, Formula 1, rallying and in many different national venues across the globe. Highlights in Volume 1: · Designs for others, · Porsche becomes an automaker, · The 356 on the road, · Four-cam Porsches, · Porsche Formula 1, · Birth of the 911, · Contesting the big races

This first period of Porsche history was pivotal. Under Ferry Porsche the young car company confirmed its impeccable engineering credentials, became known globally through competition and continued its cautious expansion while remaining privately held and proudly independent of bankers. Just as this era of the company created the foundation for all of its future accomplishments, this first volume of Karl Ludvigsen's masterwork provides the building blocks for the fascinating history and developments to follow. **Editor's note: Reviews of Volume 2 and 3 will be forthcoming.**



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## Zu Verkaufen

### Helmet Intercom

NADY PMC-2 includes power unit with adjustable volume control and 2 headsets. Best way to communicate in the car at speed. Normally sells for \$60-80 new. Only \$25! Ron Lewis 952 932 0505. Email: NicolaiL@aol.com

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### '83 944

Metallic beige exterior (special factory color), leather Sport interior, New Goodyear F1 tires, Fuchs Alloys, Sports Steering Wheel, F/20 factory handling package, factory alarm, headlight washer, Alpine stereo/6 speakers, new timing belt and engine mounts, never driven in winter, car cover/bra, 99M miles, excellent condition. \$4,500. Contact Greg @ 952-944-6500 or email at: wkosmas@pclient.ml.com

### 1975 Porsche 914

1.8 liter, Berber Yellow with matching cloth insert seats, 75,xxx miles, Pedrini wheels with newer 195-70-15 tires, Appearance Group, Center console with gauges, Bilstein shocks, Front and rear sway bars,

120 watt Blaupunkt stereo, Bursch muffler, New clutch at 65,000 miles, Stored winters, exceptionally clean, unmodified. Other: Porsche floor mats, Car cover, Bras, Tools and manuals, Misc. maintenance items (plugs, points, filters, etc.), collection of magazines with 914 technical information, \$7500 OBO. Kelly Strebig 651-457-1404.

### Parts

Many 944 items left over from the 944 and 951. Seats from both, all are tan, \$125 for driver's side, \$110 for passenger. Stable Energies Harness Bar \$45, Porsche crest front and rear tan/beige floor mats very good condition, out of the Turbo for \$45 all 4. Jensen Amp with great large door Infinity speakers \$175. Cat converter and pipe from 951 \$225. Set of 4 Blizzak snow tires, almost like new. All are 205/55 by 16, \$200. Ed Hazelwood (612) 237-9319 or email at: hazelwoode@elert.com

### 1977 911S

Mustard, Excellent Condition, Stored all winters, 101,000 miles (re-built engine @ 77,008 miles). \$13,500 Contact Dennis Jabs (612) 333-2612 (w).

### FUCHS for Sale or Trade

Two '16x6. 16x7 Fuchs in great shape. Will Sell or trade for 17" Cup Wheels for my C2. Cup Wheels must be in good shape. Ed Vazquez, 952 937 6990, or Edmn911@aol.com.

### 1979 911 SC

\$17,500. With only 81,000 miles, original gold metallic/two tone leather, front and rear spoilers, moon roof, custom Etuole two piece chrome and gold wheels with Porsche crest center caps, 79 SC vanity plates, always stored in winter, this car defies age. Set up for club racing, car has been lowered, with racing suspension, 22 mm sway bars, Pirotech/4 point racing harness, brake cooling kit, B&B twin 4" performance exhaust system, K&N air filter, fire extinguisher and BF

Goodrich ZR high performance tires. Leather bras for front end, side mirrors and fog lights, car cover. Original set of black fuchs Porsche rims set on Pirelli P7 high performance tires (2 extra tires) - \$500. Call 612 373-9839 for showing.

### 1982 928-S

94,000 miles, no winters. New tires, radio, brakes, master cylinder and clutch. Same owner for 18 years. \$10,900. Mr. Honn 952 927-5306 or 612 875-8292.

### 1977 Porsche 911 Targa

Beautiful exterior-classic black with chrome details. New paint received in 2000 from Sears Imported Autos, Inc. From 2000 to date, all general maintenance work has been performed by Greg Smith of Smith Imports. Before 2000, car was serviced at Nurburgring, Inc. In 2000, the 911 received new tie rod ends, rear shocks and Koni struts. In 2001, a new master cylinder and battery were added. The Targa top was refinished in 2002 by Diamond Interiors. Car is placed in heated storage during winters at Classic Auto Storage. According to Greg Smith, the car requires rear brakes, clutch and engine work (engine is leaking oil between the Cam Shaft carriers on both sides. The value cover gaskets are also leaking). Repairs were estimated at \$4500. Asking \$9,000. Mike Daugherty 612 670-5201.

### 1986 911 Coupe

89,000 miles/near showroom condition inside and out. Meticulously maintained by college professor. Engine like new. Original paint, no winters, snow, smoke, accidents, racing, etc. Distinguished silver-gray metallic exterior with burgundy interior. Rare Porsche Signature cloth seats with leather shoulder and seat bolsters. \$21,500. Wim Ibes 628 Roosevelt Rd., St. Cloud, MN 56301 320 259-1959.

# Boxster / 996 Filter Service

## ... Clean air for you and your car

By Steve Grosekemper

*“... there is very little that you can actually get your hands on. The 996 engine bay is well filled and the engine lid is extremely small! The Boxster is even worse with its “childproof” sealing of the engine compartment. While a qualified Porsche technician should perform most of the service, there are some items that can be performed by an enthusiastic owner.”*

When most Porsche owners obtain a new vehicle they spend an excess of time cleaning and polishing their new acquisition. After the car is so clean that the glare becomes a danger to oncoming traffic, and water beads off the owners hands, we usually see the next step in the condition, known as “new owner fiddle-i-tous”.

The next level in “fiddle-I-tous” is more of a hands on phase of the condition. However, in the case of 996’s and Boxster’s, there is very little that you can actually get your hands on. The 996 engine bay is well filled and the engine lid is extremely small! The Boxster is even worse with its “childproof” sealing of the engine compartment.

While a qualified Porsche technician should perform most of the service, there are some items that can be performed by an enthusiastic owner.

### **Particle filter replacement**

The first and easiest service task is the replacement of the climate control particle filter. This is a filter that looks like an engine air filter. It filters incoming passenger compartment air of dust, dirt, and . . . well particles. During “normal conditions” these only need to be replaced when the car receives its normal service. However, there are several cars that are driven in “severe conditions.” (See: The real world). For these cars more frequent replacement may be required.

An indication of filter replacement would be a laboring sound from the fan motor, or decreased air volume coming from the ventilation system. An odd odor may also be present while a dirty filter is in place.

Checking of the filter is no more difficult than opening the front trunk, removing one screw and two pieces of plastic. The filter is located under the cowl next to the

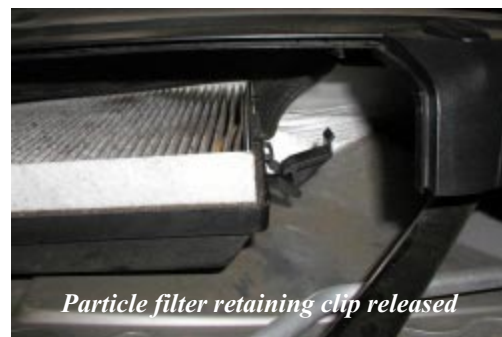
passenger side hood hinge. (In both the 996 and Boxster). Remove this piece of plastic by first removing the center battery cover and then unscrewing the one mounting screw and pulling up on the far right plastic piece. (The screw takes a T-25 torx bit to remove it).



Once removed try not to be shocked at what you see, it could be very ugly in there! (This filter has only been in the car for 15,000 miles – yuk!)

To remove the actual filter element you must first locate the filter-retaining clip and release it. It is to the right of the filter as you are looking at the filter (towards the center of the car).

Now lift up on the corner of the filter and pull the element out. Be careful not to let any dirt fall



*Continued on page 40*

## Clean Air

*... continued from page 39*

into the climate control system. If some does enter the system, use a shop-vac to clean the assembly thoroughly. If you do not clean it out you will get a blast of dirt thrown into you face when you turn the climate control fan on! Now take the new filter (Part # 996.571.219.01 costing \$35.29) and slide it into place. Be careful, as this is not as easy as it looks, aggressive installation can result in a crushed filter element. Be sure to look at all corners of the



*New filter with clip in place; ready for cover to be re-installed.*

filter to guarantee complete sealing against the housing. After the filter is perfectly seated in place you can reattach the retaining clip.

Replace the plastic cover and retaining screw (T-25 Torx bit) and you are all set to breathe easy again!

### Engine air filter replacement – Boxster (986)

Replacing the engine air filter in a boxster is about a five minute proposition. Getting to that filter is another story completely!

If you consider yourself adventurous and at least reasonably adept at mechanical endeavors you should be able to complete this task. If your VCR is still flashing 12:00, and your complete tool set fits in the kitchen drawer . . . maybe you should leave this task to your mechanic at service time.

In order to gain access to the engine compartment and ultimately the air filter we will need to remove a few things from the car.

The top, storage shelf, insulation carpet and finally the engine cover must all be removed or relocated. The process for this is as follows:

- Activate the top so the body cover lifts up and the front of the top lifts back about two feet.
- Unclip the skirt of the top (both sides) where it attaches to the body.
- Disconnect the two retaining cables at each end of the top.
- Carefully lift the back section of the top forward until you feel a click (90 degrees of movement).

• Carefully activate the top to the closed position; making sure the cloth does not catch anywhere.

• Remove the storage unit by unfastening the two inside clips and the one top outer clip.

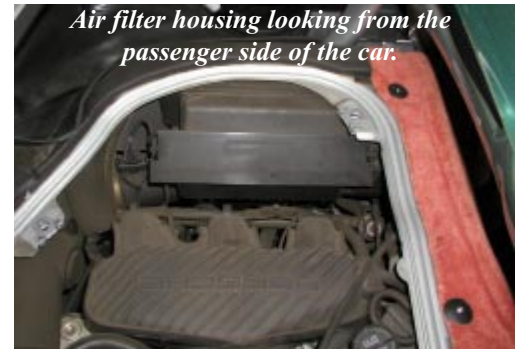
• Remove the two remaining rear fastening clips at the rear of the carpet piece and remove.

• Pull the locking rings of the metal engine cover up and twist counter clockwise.

• With the cover loose carefully remove the cover and set it aside.

Warning: You are lifting a heavy cumbersome metal cover over the painted surface of your car, if you drop it . . . Well, just don't drop it!

We now have access to the engine compartment and air filter. The air filter resides in a rectangular housing in the far left side of the engine compartment (drivers side).



*Air filter housing looking from the passenger side of the car.*

After locating the air filter housing we must remove the element.

There are two retaining clips holding the door to the housing securely closed. Release each clip (one on each side) and gently wiggle and pull the top out. After the cover is out about four inches, tug a little more and the filter element will start to come out. This whole arrangement works just like a CD drawer on your computer. The only



*Cover is out, and filter is half way out.*

difference is there is no fancy button to push; you are the button.

Pull cover top until filter is completely exposed.

After the filter is completely exposed, lift the filter and insert assembly out of the housing. When you do this there is a high likelihood that all sorts of trash, dirt, and debris will fall into the filter housing. This is because the filter element separates the top and bottom halves of the filter housing.

*Continued on page 30*