

ALENDAR OF EVENTS

July 4-6: Three Day Road Race Event -Professional Auto Sports High Performance Driving and Open Track at Sandia Motorsports in Albuquerque! BMW Club Racing will be here and will need some help from club members signing people in and helping with the grid work at the racetrack. For more information call: 1480-664-3872 or visit ProAutoSports website: www.proautosports.com. Email the webmaster if you would like to help out.

July 4, Friday: Informal Chapter meeting with South-Central Vice President Fred Jacino.

July 10, Thursday: General Membership meeting at the Range Café in Bernalillo at 6pm.

August 8-11: 5er Fest 2003 at Sugar Mountain Ski Resort, just outside of Boone, NC. Owners of BMW 5 series cars from 1972 - 1988 are invited to participate - spectators welcome!

Website: http://www.fatdaddybmw.com/5erfest/

August 10, Sunday: PCA/BMW CHALLENGE DIE SERIE AUTOCROSS #6 Roadrunner Porsche Club of America Autocross at Sandia Motorsports - For more information call: Doug Brosveen 263-1022 or visit their website: www.roadrunner-region-pca.org

August 16. Saturday: Online signup date for the Susan B. Komen "Ultimate Drive".

September 11, Thursday: General Membership meeting.

September 13-14, 2003: Deutschmarque Event. This event is held at Sandia Motorsports and features German cars racing and is open to BMWs to race and participate. Last year's event was fun for all! For more information contact Bob McCabe 505-345-5240. Or you can email Bob at:02bob@comcast.net Here is the link for more information: www.swms.org

September 20, Saturday: The Ultimate Drive -Susan G. Komen Breast Cancer Foundation. This event is being sponsored by Sandia BMW.

$oldsymbol{P}$ RESIDENT'S MESSAGE

Summer has finally arrived in New México, and our thoughts turn to driving events, picnics, R134a (or R12), and BMW air conditioning ("gee, it worked last year").

This quarter we had two tours, a clean car show, and a tech session. One tour went to the VLA and the other went to Silver City. Please see the tour reviews elsewhere in this issue.

The June 10th tech session was at Santa Fé BMW. A special thanks to Scott van Doren for conducting the session. About 30 members attended the session while Scott talked about the Z4 and the electric steering system. There were many compliments on the presentation. Thanks also goes to Bruce Papier for arranging the food (delivered in his Mini Cooper).

Elections were held for chapter officers at the May 4th Clean Car Show. The following officers were elected:

> President Jon van Arsdel Vice-President Steve Millard Treasurer Skip Johansen Secretary (vacant) Webmaster Steve Nowaczek Newsletter Editor (vacant)

Incidentally, vacant is NOT the name of a person, so if you wish to be the Secretary or Newsletter Editor, please contact one of us on the Board of Directors. Steve N. also agreed to stay on as the Driving Events Coordinator.

Upcoming events include a July and September general membership meeting, the July 4-6 road race, and the August PCA Challenge.

The July 10th general meeting will be at the Range Café in Bernalillo at 6pm. Matt DiGregory is the owner, and has offered us the use of one of the dining rooms for our meeting. Matt is a long-time BMW CCA member and supporter. The Range Café is located at 925 Camino del Pueblo in downtown Bernalillo. From 125, exit at either Bernalillo interchange. Go about 2 blocks west to Camino del Pueblo (the main street and old highway) and head towards downtown Bernalillo. The Range Café is on the west side of the street. Bernalillo is about 20 minutes north of Albuquerque or about 35 minutes south of Santa Fé. If you get lost call the restaurant 867-1700 and they will give you directions.

Sandía BMW is planning to move into their new location on I-25 sometime late this summer. The chapter has offered to help move and drive their inventory of cars to the new store. If you are interested in helping, contact Bob Kauffman at 505-710-9083 or tilux@aol.com.

Late-breaking news: Fred lacino, who is the BMW CCA South-Central Vice President, will be in Albuquerque for the July 4th weekend road race. The New México chapter is planning to meet with him on the evening of Friday, July the 4th. I will send more details by e-mail.

As always, please watch your e-mail, or check the website for details and updates. I hope to see all of you at one of our upcoming events!

Jon van Arsdel PRESIDENT NMBMWCCA

ONTENTS

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Remember to check our web site for periodic updates: www.nmbmwcca.org

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BMW CCA Club Racing!!



For those of you who don't already know....BMW CCA Club Racing is coming to Albuquerque, New Mexico July 4th weekend. This is a new event for the club and a new venue for BMW CCA Club Racing. They will be racing at Sandia Motorsports on the west side of town. Details are still in the works with the chapter and national on what will be required or needed from the chapter. We know that they will possibly need corner workers, Pit volunteers, timing assistants, and paperwork processors for drivers and teams. If you would like to help out, contact Steve @ 249-8718 or email the webmaster@nmbmwcca.org.

Even if you can't commit to helping out for the whole weekend, but want to volunteer for just a day, let me know. So come out and support BMW CCA Club racing and get the chance to see what a BMW can do on a race track!!

WebSite:

http://www.bmwccaclubracing.com **Entry Form:**

http://www.bmwccaclubracing.com/2003%20Series/ RacerForms/Sandia%20Entry.pdf

Sandia Motor Speedway

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BMW News Flash!

BMW Group Wins Three International Engine of the Year Awards Woodcliff Lake, New Jersey, June 5, 2003 ... The BMW Group has won three out of a total of 12 awards at the renowned International Engine of the Year event in Stuttgart, Germany. By winning engine Oscars number 16, 17 and 18, the BMW Group has once again collected the industry's most significant award for automobile engines. The 3.2-liter six-cylinder engine of the BMW M3, the 2.5-liter six-cylinder engine of the BMW Z4 roadster, and the 1.6-liter four-cylinder engine of the MINI Cooper S have all been awarded the "Engine Of The Year 2003" title in their respective displacement classes.

8-Series News Flash!

A celebration of the 8 Series is happening September 26-29, 2003 in Garberville, California. The location was chosen due to its equidistance from Vancouver, B.C., San Diego and Denver. There are already 60 Eights registered, and there are still four months to go before the event. With their schedule of driving tours, tech sessions, and social activities, they might see as many as 100 Eights in this first of many annual Left Coast 8-Fests. Their list of registrants hail from all parts of the country, even BC and Germany.



Their website has been updated (www.8-fest.com) to include new information, and the organizer has sent a new ad for us to include in the newsletters and websites of those who are interested in helping promote this club event.

Ready for the BMW Festorics?

When: August 15-17, 2003 Where: Monterey, California Website: www.festorics.org

What is it? It's a celebration of our mobile tradition a look back at what started as a fascination with cars and turned into an obsession it's a BMW CCA gathering of 350 of your closest club buddies at one of the premier vintage car weekends in the world. The weekend begins August 15 with Friday's Concorso Italiano with Central Cal Chapter's elegant parking corral and clean car contest on the green lawns of Black Horse Golf Course.

The following days of August 16-17 head to the BMW fest XII corral at Laguna Seca, both one of the largest BMW CCA regional events and a great way to have convenient parking at the Monterey Historic Races. Between the vintage auctions, the Monterey Historic Races, Concorso Italiano, Central Cal's Clean Car Contest, BMW fest's Friday night dinner, the world famous Pebble Beach Concours d'Elegance, and all the exotic cars just driving around on the city streets, you won't want to miss this weekend! Please check the website for detailed information and online registration: www.festorics.org.

BMW fest Contacts: Lisa Ferrari, lisa@festorics.org - (650) 622-9753 Kelly Kirkland, kelly@festorics.org - (650) 322-9393 Clean Car Contacts: G. Aguilar, george@festorics.org - (559) 284-8818 Wayne Wundram, wayne@festorics.org - 9am-5pm (559) 734-3298



NEW MEMBER WELCOME

Chiu, Kai	95	M3
Demi, Todd	01	M3
Hague, Russ	00	323i
Hellmuth, Harry	03	Z4
Holdridge, Rick	03	M5
Jakiela, Walter	01	330Cic
Jensen, William	01	M3 Conv.
Jones, Charles	03	325i
LoSasso, Andy	86	325
McKelvey, Chris	98	540i
Patterson, John	01	540i
Perez, Graciela	02	325Xit
Schwartz, Kim	00	M Coupe
Scott, John	98	M Roadster
White, Mary	03	Z4

(Continued from page 1)

September 28, Sunday. The Karl Heinrich Fox Memorial Fall Tour. The annual fall tour has been renamed in honor of Karl Heinrich Fox. The tour will go through the mountains of northern New México, for a view of our spectacular scenery. The date has been moved forward one week in order to avoid a conflict with Oktoberfest.

October 5-10: Oktoberfest, Austin, Texas.

November: Tech session at Southwest Collision Craftsmen with Manny Córdova.

December. Tech session at Sandía BMW with Jim Johnson.



On April 6th a caravan of 14 BMWs went to the Very Large Array (VLA). The tour went south on F25 to Socorro and then west through the mountains and Magdalena. The VLA is located in the Plains of San Augustín, a few miles west of Magdalena. The VLA offered guided tours of the radio telescopes and the



research facility that day. The VLA is a little-known New México treasure, and does research into all parts of space. It consists of 21 large parabolic antennas that can be moved along double railroad tracks.

The chapter then had a group lunch at Socorro. Most agreed this was an interesting and educational tour. Additional photos are on our web site.

Silver City Tour!

For those of you who missed this drive, what can I say?? Sorry, you missed a good one! This trip was one of the highpoints of my driving experience with my BMW. From the winding roads and sharp cornering to the short bursts of the straightaways, this road trip was just fun.

Let's see, there was an E28 M5 and my 535is, a newer M3, a 325i Convertible, an E30 325, and then we met up with Larry and Patty from AZ with their 3.0csi. The first part of the trip was





uneventful, until we got to Socorro and found out the M5's clutch wasn't working. Driver said that it shouldn't be a problem. He drove the whole weekend without using a clutch....town driving, hotel parking lots, restaurants, even on old logging roads. Quite impressive.

The NM group met up with Hal and Barbara from Silver City about 10 minutes later than expected, but they had time to visit with Larry and Patty from AZ. From there we went out for a quick bite to eat and then headed out to the Gila Cliff Dwellings. The sign said 44 miles. The road was like a 44-mile long roller coaster. Everyone had grins on their faces when we arrived in the parking lot!!

The group then took the mile hike to the ancient cliff dwellings and got to climb around inside them. It was a very enjoyable afternoon. I think everyone had the return trip on the roller coaster road in their head, as folks were ready to head back and clean up for the dinner we had planned.



Buckhorn Saloon and Steakhouse. What an interesting destination. It was something right out of the old west. Food was excellent and the conversations seemed to just keep flowing. All 14 people really enjoyed the steaks and prime rib!! On Sunday morning a group of us met for breakfast before heading home at a nice bistro on Main Street in Silver City. My arms were actually tired from all the turning and driving the day before!! I will definitely be going on the next trip to Silver City!

Steve - Webmaster NM BMW CCA

TECH TIPS—Thanks to Tirerack.com for the Article!

Using Alloy Wheels on the Track

For real driving enthusiasts there aren't many feelings that equal the excitement of running laps on a race track at their vehicles' limit. And while race tracks were once only accessible to race prepared cars, today many car clubs and professional driving schools allow drivers to learn more about high performance driving as they run their street cars (with relatively few modifications) on the same tracks as their racing heros. For that matter it is not unusual to have more track time (enough to drive several hundred track miles per day) at a typical club event or driver's school than most actual race weekends. And while it's common sense that track use will increase the wear on a car's tires, brakes and shocks, there are less obvious critical components which also wear out ...like its wheels! Yes, wheels do wear out...or better stated, they fatigue.

Because wheels are so critical to the driver's safety, top racing teams visually inspect their wheels at the track, monitor the total number of hours they are used, and crack test them on a periodic basis. Any wheel that shows signs of fatigue or age is discarded and replaced. For that matter Indy Car sanctioning bodies require that their race participants' wheels meet strict standards when new and that previously used wheels be recertified before every 500 mile race.

Unfortunately the same rigorous wheel inspection procedures are not typical for many driving enthusiasts who use their vehicles on the track. Maybe it's because wheels are so trouble free that they are often overlooked! But if let go for too long, wheels that are subjected to high stress track conditions can fail.

When it comes to wheel fatigue it is important to remember that it is caused by a combination of the frequency and magnitude of the stresses it encounters. While small stresses can be accommodated for thousands of cycles...large stresses accelerate the wheel's fatigue fac tor and the number of fatigue-free cycles is significantly reduced. So what is it about track use that reduces the life expectancy of wheels? Lets explore some of the important factors:

All wheels flex as they are driven through a corner. In normal street driving the amount of flex is minimal. However since today 's DOT legal competition tires almost match the performance of yesterday's racing tires, every corner that is taken at the limit on the track causes significantly more flex. It's the combination of the extra tire grip and the resulting extra flex that fatigues wheels faster when used on the track. And don't forget that spins, running over the track edge curbs and unintentional trips through the run off areas add their own unique extra stresses.

During track use, wheels will often reach temperatures never encountered on the street as they help dissipate the brake heat. This constant cycling between the ambient temperature and the extremes encountered on the track can increase the fatigue rate of alloy wheels.

In normal street driving wheels are typically removed from the vehicle only when the tires are being rotated (typically every 5,000 miles) or replaced (typically every 25,000 to 40,000 miles). But when used on the track wheels are typically removed from the vehicle at the start and finish of each day, as well as, anytime the vehicle's brakes or suspension are being serviced. Additionally DOT legal competition tires wear out and are replaced much more frequently than normal street tires. These extra tire mountings and vehicle installations can increase wheel fatigue as they wear out the wheel's lug seats and the vehicle's lug nuts/studs or lug bolts/hubs.

So what should track drivers do to take better care of their wheels and minimize the possibility of wheel failure?

Before going on the track

Make certain that the wheel's installation hardware is correct for the vehicle and in good condition. Since almost all of today's cars are designed with hub centric wheels which transfer the vehicle's load from the center of the wheel to the car's hub (and allow the lug nuts/bolts to just hold the wheel against the hub), it is important that track wheels continue to be hub centric to help distribute the forces encountered on the track. If an aftermarket wheel requires special centering rings to properly fit it to the hub, be sure they are installed and installed correctly.

When any non-original equipment wheel or lug nut/bolt is used on the vehicle it is important that there is sufficient thread engagement between the lug nuts/bolts and the vehicle's hub. Its acceptable to increase the thread engagement by installing longer wheel studs in the hubs after verifying that the lug nuts don't bottom out on the studs. However if the vehicle uses lug bolts they must maintain as close to the original amount of thread engagement as possible. Longer lug bolts may cause interference with the parking brake or other components inside the hub.

Always torque the wheel's lug nuts/bolts to the hub using a "star" pattern until the vehicle's correct torque value is reached.

NOTE: If wheel spacers which are thicker than the height of the hub are used, they also need to be wheel and hub centric to help distribute forces.

After coming off of the track

At the end of every track day the wheels should be allowed to cool, cleaned front and back, and inspected for minute cracks, impact damage and runout. At the first sign of a crack appearing (regardless of size or location) or an indication the wheel has been bent it should be removed from service and replaced with a good wheel.

Every time new tires are mounted, each wheel should be inspected to verify that it is round and true. If it is found to be bent, it should be removed from service and replaced with a good wheel.

If the wheel has been used for an extended period of time you may want to have a local machine shop professionally crack test it in the off season

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EDITOR'S NOTE

The Chapter is still in search of a newsletter editor and chapter secretary. If any club member, spouse, or family member would like to help out, please contact the club President: president@nmbmwcca.org

The newsletter is published quarterly, so it is not that time consuming, but the chapter needs a point person for articles and the classifieds section.

Steve Webmaster@nmbmwcca.org

CLASSIFIEDS

Classified ads are free for NMBMWCCA Chapter members. Only BMW cars, parts, aftermarket ad-ons will be published. All ads will run in one issue and will be removed unless a request is made to run the ad again. Member number must be included in all submissions. Please submit all ads to <code>editor@nmbmwcca.org/subject:Classifieds</code>.

BMWs For Sale

1985, 735i,Euro. WBAFH610600810380, Burgundy, Beige interior, 2nd owner, exterior looks nice, interior clean except for seats. Runs well, comes with shop manual and ski rack, \$2,000. Phone (505)853-7203 Days, (505)34-6014 Eves. Email: apartow@comcast.net for questions.

Classic 1972 3.0 CS Coupe. Polaris Silver, great looking car, runs very strong, new project forces sale. Needs someone who will take good care of it. Must see car to fully appreciate. Asking \$5,950 OBO. Email: 02bob@comcast.net or call Bob at (505) 345-5240.

Beautiful 1999 323is E36 Coupe. Titanium Silver with Grey Interior, 5-Speed, 47K Miles, Dealer maintained, Certified BMW 100K Mile Warranty, Sport Package and all Options \$20,950 OBO. Email 02bob@comcast.net or call Bob at (505) 345-5240 for more info.

1986 BMW 740i For Sale. Car has 83K original miles, last of the ones made has new tires, brakes, plugs, hoses, belts, wires, and front end steering, ready to drive anywhere. Asking \$4,600. Call Jack Lockard, 293-2525 or email to: roadmaster75@comcast.net

1997 BMW R-1100RT Motorcycle. Glacier Green, in excellent condition. Always garaged. Includes saddlebags, fairing shelf, European style light switches (with headlight ON-OFF position), throttle clamp cruise control, headlight protector, other minor accessories. Never wrecked, dealer maintained, including new clutch plate (but I won the Slow Race trophy at the rally!). 39,600 (mostly touring) miles. \$7,200. Photos via email available. I live 80 miles north of El Paso, TX, in Alamogordo, NM and am willing to deliver within 200 miles. Dick Garrett (505) 572-5398 (W), 434-6330 (H) dickgarrett@yahoo.com

2002 330i. Alpine white, 14,000 mi, auto, BMW full maintenance, sand leatherette, car is perfect-no dings, \$31,000. jawtew@aol.com or Call 823-1862.

2000, 328i Sedan. WBAAM533XYEJ40404, jet black, sand leather, 20000mi. 5-speed manual, Premium package, sunroof, heated seats, CD player, euro.delivery, 100,000 mi. warranty, all records, great car, \$30,000 OBO. Call 505-662-1574 Email: gibbs.family@worldnet.att.net

Parts For Sale

E36 Oil Cooler Kit. This is a must have for anyone that races or has a high horsepowerapplication and needs the added security of having cool engine oil. The kit is designed to be a bolt on component that is easily installed. The kit comes with stainless steel braided hoses with anodized aluminum fittings, a customized billet machined filter adapter, high flow oil

filter, high performance 6-pass radiator, abrasion resistant overbraid cover, thermal bypass valve, and all mounting fasteners, and instructions. Visit www.victoryproductdesign.com or email fellis@houston.rr.com for more info or call 281-807-1135.

FOR SALE. Have builders, parts cars, and complete running cars, 2002, Tii, 323 E21, 325 E30 & E36, e12 530 ,E28 533, (635 for parts) still has engine and auto trans 79kmiles Yr 1987 model, 1989 525 complete. Please call Skip @ 505-256-3371 for parts and information on repairable or running cars. Also have others not listed. Email: skipsbmw@webtv.net

FOR SALE. 4 TRX metric wheels for a 1988 BMW 535i with Michelin TRX M+S S45 tires. Tires and wheels in good conditions. Tire tread over 1/4 inch deep. Taking up space in garage. Any reasonable offer for all four accepted. Max. (H) 255-3663 or email: maxs@nmia.com

FOR SALE. TRX Basketweave Metric Rims from a 1988 535is. Don't have the tires, just the rims. All 4 for \$25. Call Steve at (505) 249-8718 or email the webmaster@nmbmwcca.org

Newsletter Editor Needed!

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Using Alloy Wheels on the Track

before considering subjecting it to another year of track use.

Wheels are a critical component to your car. However because they tend to fatigue slowly, periodic inspection will usually reveal the signs of aging and use (such as minute cracks in the wheels spokes or near the bolt holes) long before they can become a serious problem. However if overlooked, once a crack has formed it will concentrate the stresses in the weak area and allow the crack to spread until the wheel fails.

It is important to note that track use and/or participation in racing voids the manufacturers' warranties of all street wheels.

stery Bimmer Revealed



Correctly identified by ??? Due to the loss of a Newslet ter editor, I don't have the name or answer to this Bimmer or who may have guessed it! We will have to continue this once we get a new Editor. Send responses to: editor@nmbmwcca.org/subject:Mystery Bimmer or to the Chapter mailing address.



July 4th Weekend!! **BMW CCA Club Racing** will be in Albuquerque at Sandia Motorsports. Mark your Calendars! Details Inside!



cancer research.



The Rio Grande Redline is the official publication of the New Mexico Chapter of the BMW Car Club of America, Inc. (BMW CCA of NM), and is not in any way affiliated with the Bayerische Motoren Werke AB of North America, Inc. It is published quarterly, and provided by and for the members of the BMW CCA of NM. Unless otherwise stated, maintenance and modification procedures herein are not "factory approved", and their use may void your BMW warranty. Ideas and opinions are those of the writer, and the editors or publishers, who assume no liability for information contained herein, imply no authentication or approval. Articles submitted are subjected to editing. Only the BMW CCA and its chapters may reproduce these contents without permission in writing.

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