

August 2004
Beaver State Corvette Club
PO Box 801
Albany, Oregon 97321

We'll be meeting at Ciddicci's in
Albany this month.
As always, the meeting is on the second Tuesday
of the month at 6:30 pm.

Check out our website for the most current club information!!! <http://www.beaverstatecorvetteclub.com>

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BSCC Focus Events

Jim Cooper

The club leadership has selected these events to be part of the Focus Events list. These are events that are sponsored by or supported by the Beaver State Corvette Club. This is just a brief summary of these events. For details on the events, refer to the [BSCC Events Calendar](#). For more information about the Focus Events concept or to find out about adding events to the Focus Events list, contact president@beaverstatecorvetteclub.com.

July 31

Chevy Only Weekend at the
Woodburn Dragstrip

August 1

Siletz Cruise and BBQ

August 7

Progressive Dinner

August 10

BSCC meeting

August 13-15

Corvettes in the Park

August 19-21

Albany Traffic Jam

August 29

BSCC Group Photo

September 14

BSCC meeting

September 16-19

Reno Run 2004

October 2

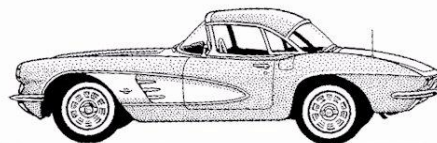
BSCC MOD (Men-only day)

October 9-10

WOW Tour (Women Only
Weekend)

October 12

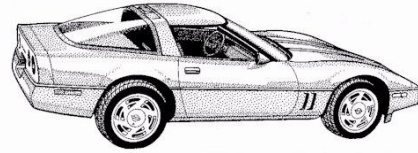
BSCC meeting



The cutoff date for submissions for next month's newsletter will be
August 23rd

REFORMULATED GASOLINE

Gary H Rothrock ILE/CLS



Definition: A gasoline blended to minimize undesirable exhaust and evaporative emissions from automotive engines.

Chemical composition: Gasoline, carbon 4 through Carbon 12 molecules.

Plus Oxygenate: one of the following-

Methanol	CH ₃ OH
Ethanol	C ₂ H ₅ OH
Isopropyl Alcohol	(CH ₃) ₂ CHOH
Tertiary Butyl Alcohol	(CH ₃) ₃ COH
Methyl Tertiary Butyl Alcohol	(CH ₃) ₃ COCH ₃
Tertiary Amyl Methyl Ether	(CH ₃) ₂ (C ₂ H ₅)COCH ₃

The Environmental Protection Agency ordered a reduction in the lead content of leaded gasoline in 1980 due to its toxic nature in exhaust. This reduction was to take effect on January 1, 1986. The lead content was reduced to 0.1 gram of lead per gallon. Much less than the 3.0 to 4.0 grams per gallon used during the 50s and 60s.

Reformulated gasoline was first introduced by ARCO in 1989 and marketed as an "Emission Control" gasoline in Southern California. It was intended as a fuel for vehicles not equipped with catalytic converters. "EC-1" gasoline was unleaded, although it was designed to replace leaded gasoline, and carried the same octane as the fuel it replaced.

The reduction of emissions was achieved several different ways:

- ⇒ Reduced vapor pressure, which minimized evaporative emissions.
- ⇒ Lower aromatics and olefins to reduce smog forming hydrocarbons and benzene emissions.
- ⇒ Low Benzene content
- ⇒ Use of oxygenates to improve CO and HC exhaust emissions.
- ⇒ Reduced sulfur content.

Tests performed by ARCO on the new EC-1 gasoline indicated statistically significant reductions in regulated and other emissions.

	Approx. Reduction
Exhaust hydrocarbons	5%
Evaporative emissions	22%
Carbon Monoxide	10%
Nox	6%
Exhaust benzene emissions	43%

Soon after Arco introduced EC-1, many other U.S. companies followed suit with their own versions of reformulated gasoline. The reformulated gasoline was mostly marketed only in restricted areas of the U.S. and with many variations between the specifications that each company imposed on itself.

Federal and State of California Regulations came into effect, starting in 1995, which carefully control and regulate the properties and composition of reformulated gasoline. This includes the use of oxygenates.

Reformulated gasoline was required in nine major areas in the country where smog and ozone problems existed. These areas are Baltimore, Chicago, Hartford, Houston, Los Angeles, Milwaukee, New York, Philadelphia, and San Diego. Other areas in the country with ozone problems can also require reformulated gasoline.

The Clean Air Act Amendments of 1990 prohibited the sale of leaded gasoline for use in motor vehicles effective January 1, 1996. California prohibited the sale of leaded gasoline effective January 1, 1992.

Emission standards were tightened again in 1997 and in effect through 1999. On July 1, 2000 the restrictions became even tighter on VOC emissions. The "Code of Federal Regulations" subtitle 40CFR80, subpart D, gives detail of the standard and tests for certification as reformulated gasoline.

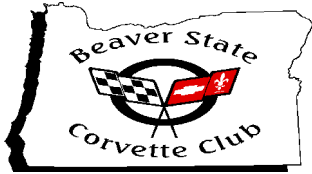
Cars built in 1970 and prior were designed to run on leaded fuels only, however many run fine on the new unleaded fuels. The valves and valve seats on these engines were designed to operate with a coating from the leaded fuel that prevented burning valves and seats. If one of these engines were subjected to high speed sustained load operation, the valve seats should be replaced with the new hardened alloy steel seats to prevent this malady.

Cars built from 1971 through 1974 were designed to run on both leaded and unleaded fuels. Most 1975 and newer cars are equipped with catalytic converters and require unleaded fuels to prevent poisoning of the catalytic converters from lead compounds in the exhaust.

The performance of the new Reformulated Gasoline is comparable to that of previous fuels with only a little difference in odor and color. The energy content is 2 to 3 percent less than previous and may show a slight decrease in fuel economy depending on the way a person drives.

References:

- Alcohols and Ethers API Publication 4261
- Gasoline For Your Car API Publication 1580
- Automotive Fuels Reference Book by Owen and Coley
- Advanced Products Course 76 Products Co.



Beaver State Corvette Club
PO Box 801
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Memo to: PROGRESSIVE DINNER PARTICIPANTS

From: PD ORGANIZERS

Re: SCHEDULE/FORMAT/SIGN-UP/FEES

SCHEDULE: Show up at Carson Chevron in Albany at 1 PM, Saturday, August 7, 2004 prepared for photo op's and good food.

FORMAT: This will be a mini-mystery run. Al will lead you to the first home for the first course. Keep up!!!!

SIGN-UP: Unless you signed up at the last meeting, you need to call (745 7835) or email (salliebrown@proaxis.com) Sallie Brown **by Thursday, August 5**. Please let her know if it turns out that you can't make it so we won't be waiting for you at Carson Chevron.

FEES: Please bring \$10/person (cash or check) to help with expenses.

For Sale

Padded lifting bar and strap that attaches to ceiling for Roadster hardtop. Safely remove, store and re-install the optional hardtop for a Roadster. I used it for a 1990, but it will probably fit most recent Corvettes. Rope and pulleys included.

Asking \$75.00

Karl Poley

541-501-8193

kpoley@daywireless.com

Birthdays for August 2004

Tom Gallagher	1	Konnie Perlenfein	16
Marge Dearing	3	Pat Thibodeaux	18
Al Sather	7	John Moody	20
Larry Crooker	7	Bonnie Bowens	21
Christine Poley	9	Larry Ferner	29
Marveen Bloom	14		

Thanks to Dick and Charlotte Armstrong!!

Gwen Gray

A special word of thanks to Ron Armstrong and his parents for offering to host a bar-b-q for the club members after the car show in Bend. After the Bend Event, a few of us stopped by Dick and Charlotte's house where we were able to enjoy their excellent hospitality in addition to some really great food. They offered a good variety of excellent food and there was plenty of it. After a long, hot day in the sun in Bend, the barbeque was the perfect way to end the day. A great time was had by all of the members that made it to their place!!!!

Again, our thanks to Dick and Charlotte (and Ron) for inviting us and making us feel so welcome.

American Lemans races at PIR

Pat Thibodeaux

These some pictures that I took last weekend at the American Lemans race at Portland International Raceway (PIR). I hung with the Banner Electronics team. The pictures are of the Corvettes and Vipers that race SPEED World Challenge GT race. Sadly, a Viper won the race but I really enjoyed hanging with Banner Team. The cars are bought from a dealer then modified for racing. Its much better than the old Trans-AM series where the cars were tube frames with a thin skin. These are real cars like we drive. The Corvettes are turning 7000 rpm plus.



First Ladies' Mystery Tour 2004



President Ron and his "First Lady"



The final destination of the Mystery Tour was the Diamond Lake Resort!



Hmmm... it looks like the only thing that they're missing is the baling wire!



These two just look like they're heading for trouble...

2004 Events Calendar

The text "**A BSCC Focus Event**" (in bold, underlined, Orange text) following the event name indicates that that event is part of the Beaver State Corvette Club's Focus Event List.

July 29-August 1

Vettes on the Rockies 2004

This is the 31st annual Vettes on the Rockies. This is being held in Summit County, Colorado.

Sponsored by: Looking Glass Corvette Association

More information/registration: www.lgcacorvette.org/VOTR/2004%20VOTR%20Home.htm

July 30-August 1

Thunder in the Mountains at Whistler, BC

Sponsored by the British Columbia Corvette Club

Event Flyers and Registration information:

www.bccorvetteclub.ca/BCCEvents.html

July 30-August 2

Rose City Corvette Classic '04

Sponsored by Rose City Corvettes

More information: www.rosecitycorvettes.org

July 31

Chevy Only Weekend at the Woodburn Dragstrip

A BSCC Focus Event

Sponsored by: **Beaver State Corvette Club**

More information: events@beaverstatecorvetteclub.com

Baseball Night with the Eugene Emeralds

\$14 per person includes admission into the group BBQ area one hour before game time, hot dogs and hamburgers, soft drinks, and beer until game time, and one general admission ticket. Upgrade to reserved seating for an additional fee.

Sponsored by: **Cascade Corvette Club**

For more information or to sign up, call Connie at 688-2654. Payment deadline is July 9.

August 1

Siletz Cruise and BBQ

A BSCC Focus Event

Cruise to the Schmidt's place on the Siletz River and enjoy a BarBO and some great scenery!

Sponsored by the **Beaver State Corvette Club**

Event flyer: www.beaverstatecorvetteclub.com/events/siletz/Siletzflyer.htm

More Information: events@beaverstatecorvetteclub.com



August 1

Dallas Rotary's A Day in the Park in Dallas, Oregon

Breakfast in the Park from 7:00-11:00.

Tom Newton Car Show from 7:00-4:00.

This looks like it will be a fun one. Lots of events, many categories for awards and food vendors!

Event flyers: www.cascadecorvetteclub.com/webinfo/Day_in_the_Park_flyer.jpg

Registration forms: www.cascadecorvetteclub.com/webinfo/Day_in_the_Park_registration.jpg

August 7

Progressive Dinner

A BSCC Focus Event

What can be better than this? Drive to a destination and eat with friends. Then, you get to repeat this process several times during the day. The committee for this event has completed all of the planning and here's the event flyer!

Sponsored by: **Beaver State Corvette Club**

New!! Event Flyer! **New!!** Check it out for Progressive

Dinner details! www.beaverstatecorvetteclub.com/events/progressive/progdinnermemo.htm

More information: salliebrown@proaxis.com

August 10

BSCC General Membership meeting

A BSCC Focus Event

August 11

Cruise the Sunset - a new local Corvallis cruise

Scheduled to go from 6:00 pm to ??? on June 9, July 14 and August 11.

Open to all cars, 50/50 drawings, Raffle prizes and DJ included.

Starts at the Sunset Center on Hwy 34 in front of the Corvallis Hardware and the Creekside Cafe.

Flyers, registration and more info: Contact Al

August 13-15

Corvettes in the Park; Cottage Grove, OR

A BSCC Focus Event

Sponsored by: **Cascade Corvette Club**

Event Flyer/Registration:

www.cascadecorvetteclub.com/citp/registration_and_flyer.pdf

August 19-21

Albany Traffic Jam; Albany, OR

A BSCC Focus Event

Sponsored by DARE and GI Joes

Information: www.northwestclassicautomall.com/events.ihtml?step=2&eid=1282

August 28-September 5

Alaska Cruise - cruise to Alaska with Cascade Corvette Club (and others)

August 29

BSCC Group Photo

[A BSCC Focus Event](#)

The date for BSCC group picture has been confirmed and is set for August 29th. Tom and Priscilla have confirmed that we will be able to use their property for the photography. Ron will be sending out additional information on the whole thing as soon as he gets a flyer put together.

Sponsored by: **Beaver State Corvette Club**

Information: president@beaverstatecorvetteclub.com or events@beaverstatecorvetteclub.com

September 4

Carousel Cruise at Riverfront Park in Salem, OR

More information: 541-928-2289 or

www.willamettevalleystreetrods.com

September 4-5

3rd Annual Labor Day Weekend Car and Truck Show in Newport, OR

The weekend is actually two shows since we are giving awards on both days. Registration is \$7 per car per day. With each vehicle registered and shown, you will receive two free admissions to the aquarium for that day.

Registration is from 8am to 11am, but we will not turn away late comers. We will have three games (for all ages), food booth and raffle drawings to be held every half hour from 10am to 2:30 pm. Awards will be presented at 3pm each day.

More information: 541-867-3474 ext 5640 or dickmil@aquarium.org

September 6

Oregon State Fair Cruise In at the Oregon State Fair in Salem, OR

More information: 541-689-6824 or

www.petersencollectorcars.com

September 10-12

Seattle in September III; Seattle, WA

Sponsored by the Corvette Marque Club

Info: Contact Dick or Lolly D'Alessandro

dick@corvettemarqueclub.com

Registration form: www.corvettemarqueclub.com/FTP/SIS04Reg.pdf

September 11

Pig Roast Picnic and Car Show at Millpond Park in Idelyld, OR

This is a one-day show that runs from 10 am - 4 pm.

More information: 541-673-3150 or 541-459-2331 or www.streetmemories.com

September 11-12

Sandy Oktoberfest Car Show at St Michaels Church in Sandy, OR More information: 503-668-4096

September 14

BSCC General Membership meeting

[A BSCC Focus Event](#)

September 16-19

Reno Run 2004

[A BSCC Focus Event](#)

Semi-sponsored by **Beaver State Corvette Club**. This is only semi-sponsored because it's an individual event. Folks will just be driving down with a bunch of other Corvette enthusiasts to enjoy the races (and whatever else) in Reno.

Information: Karl Poley kpoley@daywireless.com

September 26

Surf City and the Beach Boys

The Corvette Show is Sunday September 26th the Beach Boys show is at 2 PM that day, tickets are \$30, \$40, or \$50. It's a small room so all the seats are good. Beach Boys Tickets go on sale June 24th.

If you want to see them in conjunction with the Corvette Show it's time to call 1-888-624-6228 or

www.chinookwindscasino.com/Entertainment/concerts.html

October 1-2

Red Vette Gathering in Reno, Nevada

IF YOU HAVE A: Magnetic Red, Torch Red, Roman Red, Burgundy Red, Traffic Light Red, Blood Red, Blood Clot Red, Carmine Red, Lite Red, Dark Red, Cherry Red, Candy Apple Red or any other "RED", it will qualify.... It just has to be mostly RED to be fair to all the others.

Registration form and Information: redvettegathering-auburn@att.net

Event Flyer: http://www.wscc.ws/RED_VETTE_FLYER-2004.pdf

October 2

BSCC MOD (Men-only day)

[A BSCC Focus Event](#)

It a 1 day thing for just the guys from the club that are interested. The president apparently has a few different things planned. A flyer is on the way.

Sponsored by: **Beaver State Corvette Club**

Information: president@beaverstatecorvetteclub.com or events@beaverstatecorvetteclub.com

October 9-10

WOW Tour (Women Only Weekend)

[A BSCC Focus Event](#)

A fun weekend for the Corvette divas of the world!

Sponsored by **Cascade Corvette Club and the Beaver State Corvette Club**.

Contact Sally for more information at purple98roadster@pobox.com

October 12

BSCC General Membership meeting

[A BSCC Focus Event](#)

November 20-21

Northwest Performance and Custom Car Show at the Portland Expo Center

More information: 503-254-8041 or

www.showtyme productions.f2s.com