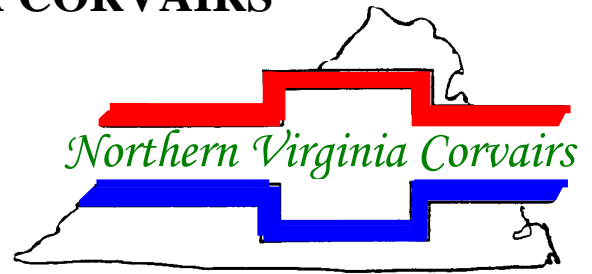


# NORTHERN VIRGINIA CORVAIRS



**HOT  
AIR  
MAIL**



NVCC, CORSA Chapter 220

Volume XXIV, Number 7

July 2012

## CHAPTER CHATTER

By Doug Jones

Newsletter time again. .... It seems that a pretty small turnout came to Greg's house for the June meeting. Even your newsletter editor wasn't there.

Greg has been having a carburetor issue on his Greenbrier. One of the carburetors didn't have enough vacuum. With one side not pulling enough vacuum, the carburetors will be unbalanced and one side of the engine will be starved for fuel. It will run very rough and have no power because it will be running basically on just three cylinders.

Ron had brought some carburetors from his sixty-four to swap out with Greg's carburetors. The problem was not corrected because Ron's carbs were gummed up from sitting on the shelves for months.

After some head scratching, the brain-trust figured out that the accelerator pump was frozen up. Therefore, it was not pumping gas. The accelerator pump was repaired and the Greenbrier is purring like a kitten.

Greg is planning on going to the convention so he needed the Greenbrier running correctly. His plan is to go on a family vacation and then bring the

Greenbrier for the remainder of the trip to the convention.

Steve MacLeod has volunteered to host the next regular NVCC meeting which will be held on July 21. Steve lives in Alexandria. His address is located under the calendar. Hope to see you all there!

There is another upcoming event to share. The "Not Quite Fourth of July Picnic" is coming up this Saturday (14 July). As in the past few years, it will be hosted by George and Judy Motley in Montross, VA, and start about noon – rain or shine.

A head count is needed so George and Judy can plan for the event. Please reply to Jim or Marilyn Simpson at [simpsonj@verizon.net](mailto:simpsonj@verizon.net) or call 301-262-0978 to let them know if you will be attending.

Folks from the Northern Virginia Corvair Club are welcome. I had the opportunity to attend last year and it was a great time! Let me know if you are interested in attending. Anyone interested in a caravan.....i.e. corvair caravan?

Any interesting corvair stories to share? Email me at [dj2063@comcast.net](mailto:dj2063@comcast.net)

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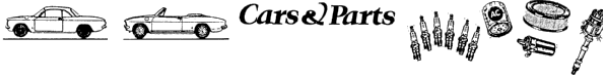
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The Northern Virginia Corvair Club (NVCC) publishes the HOT AIR MAIL newsletter monthly as a service to its members. NVCC is a non-profit chapter of the Corvair Society of America (CORSA). The \$10 annual dues are payable January 1st, to "Treasurer, NVCC" at the address herein. A prorated amount of \$5 is accepted for periods of less than six months. All other correspondence and submissions can be addressed to the Secretary/Editor. Newsletter expiration date is three months beyond dues anniversary if they are not current. Original material appearing in the HOT AIR MAIL may be reprinted in other non-profit publications with appropriate credits.



**\*\*\*AUTOMOTIVE CLASSIFIED\*\*\***

**65 Sedan:** 110HP, Powerglide, new carpet. Contact former NVCC member Aaron Payne at [aaronpayne@me.com](mailto:aaronpayne@me.com). (6/11)

**66 Convertible:** 110 HP PG, Restored in 2007, Regal Red. \$18,000 invested. \$15,000 or Best Offer Call Jay at (910) 270-0785. (1/12)

**Parts/Miscellaneous For Sale**

**Parts:** From our club's 65 coupe parts car: Right hand door, 4 Monza Wheel disks. Call Venice Cox at (703) 791-6517. (1/05)

**NEW LISTING:** 40+ year collection of Corvair Parts. Please contact John Getz at [jgetz@comcast.net](mailto:jgetz@comcast.net) or 301-717-9452 for a list of sale items. Parts located in Frederick, Md.

**NEW ITEM:** 31st Vair Fair T-shirts. Priced for quick sale. You don't want to miss this opportunity to own rare Corvair Memorabilia! **HURRY**, as they will go fast!

**Gas Tanks:** Six or so good used gas tanks \$30 and YOU pick up; NE Maryland. Harry Yarnell [hyarnell1@earthlink.net](mailto:hyarnell1@earthlink.net)

**Early Model Bumper Guards:** Good Condition: front and rear; best offer: Call Doug Jones 703-309-8705

**Corvair Vendors and Services**

Clark's Corvair Parts, Inc.  
Route 2, 400 Mohawk Trail, Shelburne Falls, MA  
01370-9748 (413) 625-9776

Corvair Underground  
PO Box 339 Dundee, OR 97115  
(503) 434-1648 or (800) 825-VAIR

Corvair Ranch, Inc  
1079 Bon-Ox Road, Gettysburg, PA 17325

(717) 624-2805, [www.corvairranch.com](http://www.corvairranch.com) Email: [corvairranchinc@earthlink.net](mailto:corvairranchinc@earthlink.net)

**NVCC Calendar**

**14 July 2012 "Not Quite Fourth of July Picnic": Noon – Rain or Shine**  
**George and Judy Motley**  
28 Haulover Circle, Montross, VA  
R.S.V.P. The Simpsons [simpsonsj@verizon.net](mailto:simpsonsj@verizon.net)  
Or 301-262-0978

**21 July 2012, Regular NVCC Meeting**  
**9:00 a.m. Hosted by Steve MacLeod**  
8820 Fort Hunt Road, Alexandria  
703-360-2436

**25-28 July 2012, CORSA Convention, Northeast Corvair Council:** Sturbridge, MA.  
The host hotel is currently sold out. Sturbridge is a town of historical significance. You may want to make your reservations soon. Check online for information on the convention.

**18 August 2012, Regular NVCC Meeting**  
**Open – Host Needed**

**15 September 2012, Regular NVCC Meeting**  
**Open – Host Needed**

Anyone interested in hosting either the August or September, please email Doug Jones at [dj2063@comcast.net](mailto:dj2063@comcast.net) so that we can provide information on meeting locations in the upcoming issues of the HAM. Thank you.

**Treasurer's Report**

Balance as of 5/30/12	2933.25
Dues Income	0.00
Interest Income	0.00
Balance as of 6/30/12	2933.25

## What is Powder Coating?

So, you've heard of it, but, you're not quite sure exactly what powder coating is. According to the Powder Coating Institute's web page, "Powder coating is an advanced method of applying a decorative and protective finish to a wide range of materials and products that are used by both industries and consumers. The powder used for the process is a mixture of finely ground particles of pigment and resin, which is sprayed onto a surface to be coated. The charged powder particles adhere to the electrically grounded surfaces until heated and fused into a smooth coating in a curing oven. The result is a uniform, durable, high-quality, and attractive finish." There, so now you know! Or do you?

## HotCoat Guns

HotCoat guns, like most powder coating guns, apply a negative electrostatic charge to the flour-fine powder (that magical mixture of "pigment and resin"). This charge is high voltage; up to 25,000 volts (100,000 volts on industrial guns), but fortunately very low amperage (the amps are the part of electricity that can really hurt you). Since this powder is made of resins, we know that it falls in the general classification of "plastics". As a member of the plastic family we know that it is a poor conductor of electricity. So once the particle is charged, it gives up that charge very reluctantly. This is what causes the powder to "cling" to the substrate being coated. The negative ions in the particle slowly fight their way to the positively charged substrate. This slow flow of ions from particle to substrate is what holds the particle on the substrate. Putting it another way, think of the positively charged substrate as "sucking" the negative ions out of the particles, causing them to stick.

## Why is Powder Coating Better?

- **More Durable** – Powder coating gives consumers, businesses, and industry one of the most economical, longest-lasting, and most color-durable quality finishes available. Powder coated surfaces are more resistant to chipping, scratching, fading, and wearing than other finishes. Color selection is virtually unlimited with high and low gloss, metallic, and clear finishes available. Thanks to the UV resistance of many of the powders, colors stay bright and vibrant longer. Texture selections range from smooth surfaces to a wrinkled or matte finish, and rough textures designed for hiding surface imperfections.
- **Protects the Environment** – Powder coating is also highly protective of our environment. While liquid finishes contain solvents which have pollutants known as volatile organic compounds, powder coating contains no solvents and releases negligible amounts, if any, of VOCs into the atmosphere. Thus, there is no longer a need for finishers to buy costly pollution control equipment. In addition, most powder coating overspray that does not adhere to the part can be retrieved and reused. Although this is not always practical for many low-volume users, this can virtually eliminate the waste commonly found in liquid finishing processes.
- **Save Money** – Elimination of VOCs and reduction of wastes saves money and helps companies comply more easily and economically with the regulations of the U.S. Environmental Protection Agency. In fact, one of the major elements in expanding the market for powder coating has been the implementation over the last thirty years of stringent air pollution control legislation.

## Where is Powder Coating Used?

- **Appliances** – The appliance industry benefits from powder coating on front and side panels of ranges and refrigerators, washer tops and lids, dryer drums, air conditioner cabinets, water heaters, dishwasher racks, and cavities of microwave ovens. Powder coating has also replaced porcelain enamel on many washer and dryer parts.

- Architecture/Building – The architectural and building market powder coats aluminum extrusions used on frames for windows and doors and modular furniture. Many highway and building projects use powder coating on light poles, guard rails, signs, posts, and fencing.
- Automotive – Henry Ford once said, “You can have a Model-T in any color you want. So long as it’s black.” For an industry once focused primarily on manufacturers’ needs, powder coating is transforming the automotive industry with faster production times and lower operating costs, plus irresistible value propositions for consumers. For years, conventional liquid coatings were the standard for the automotive industry. But these coatings can emit dangerous VOCs at their application stage. Powder coatings eliminate most environmental concerns and the need for costly waste disposal systems. Because powder does not run or drip, the result is a uniform, superior-quality finish.

Conversion from liquid to powder clearcoats for auto body exteriors is moving rapidly. Powder topcoats resist acid rain, the sun’s ultraviolet rays and road and weather damage, helping cars retain their “showroom look” much longer and improving their resale value. BMW and Volvo are using it on their new model cars, and GM, Ford, and Chrysler have formed a consortium to test this technique on their production lines.

Powder coating has made substantial inroads as a primer for car, van and pickup truck bodies in the United States. Auto body primers in colors will be next.

There is a huge market potential for high-heat resistant powder coatings on aftermarket mufflers, which resist corrosion, protect against nicks and prolong the life of the muffler. Some companies are already applying heat-resistant powder to aftermarket mufflers, and the new-car market is thought to be two or three years away. Powder coating is also applied to wheels, grilles, bumpers, door handles, roof racks, and exterior and interior trim. “Under the hood” uses include oil and fuel filters, brake pads, engine block casings, suspension components and radiators. Pickup truck and SUV owners can purchase powder coated side steps, bed rails, luggage racks and toolboxes as dealership add-ons or in aftermarket stores and catalogs.

Performance car owners can find powder coated special suspension units, carburetor parts and valve covers, plus flashy rear-view mirror mounts and other exterior adornments.

Everyday Products – There are also innumerable everyday uses for powder coated products such as lighting fixtures, antennas, and electrical components. Farmers have powder coated tractors and farm equipment. Fitness buffs powder coat golf clubs and golf carts, ski poles and bindings, snowmobiles, bicycles, and exercise equipment. Shop owners have powder coated display racks, shelves, store fixtures, and vending machines. Office workers use metal furniture, computer cabinets, mechanical pencils and pens, thumbtacks, and other desk accessories that are powder coated. Parents have powder coated lawn mowers, snowblowers, barbecue grills, patio furniture, garden tools, electronic components, bathroom scales, tool boxes, and fire extinguishers which benefit from a powder coated finish. The powder coating boom has just begun – expect more exciting uses in the near future.

Check out the website [www.corvair.us/technical-articles/powder-coating-101](http://www.corvair.us/technical-articles/powder-coating-101) for more information on the following:

*Powder Coating Guns and Kits*

*HotCoat Powders*

*Powder Coating Videos*

*Powder Coating Books*