

From: CVS MBCA cvsmbca@gmail.com
Subject: Old Dominion Star - Winter 2021-22
Date: December 1, 2021 at 1:06 PM
To: bradpurvis@mac.com

CM



Central Virginia Section - Mercedes-Benz Club of America, Inc.
9908 Black Twig Ct.
Toano, VA 23168-9636
A Virginia Non-Stock Corporation (Social Club)



UPCOMING EVENTS

Christmas on the Town
Candy Cane Classic Car Competition
5 December 2021 - 11:00 am til 4:30 pm
Poinsettia Point
1303 Lee St.
West Point, VA 23181
[REGISTER](#)

Cars & Coffee - Richmond
11 December 2021 - 8:00am til 10:00am
Regency Square Mall
1420 N Parham Road
Richmond, VA 23229
[Cars & Coffee - Richmond](#)

Cars & Coffee - Williamsburg
18 December 2020 - 9:00am til 11:00am
High Street
Williamsburg, VA 23185
[Cars & Coffee - Williamsburg](#)

Central Virginia Section Annual Holiday Party & Business Meeting
16 January 2022 - 11:00am til 2:00pm
Tarrant's West
11129 Three Chops Rd.
Henrico, VA 23233
[REGISTER NOW!](#)

Peachtree Section - Nashville Music City Medley Weekend
28 April - 1 May 2022
Nashville, TN
deganto@charter.net

Historic Fredericksburg AACA Car Show
Caroline St., Downtown Fredericksburg
Fredericksburg, VA
Saturday, 4 June 2022

DISCLAIMER: Old Dominion Star's purpose is to disseminate news, technical information and superfluous minutiae related to Mercedes-Benz automobiles and to inform members of the Central Virginia Section of the Mercedes-Benz Club of America of what the heck is going on. Any maintenance technique, modification or hack published in Old Dominion Star should be weighed against conventional, traditional, and generally archaic maintenance practices and procedures established by Trappist Monks. Old Dominion Star is not the authority on maintaining or improving Mercedes-Benz automobiles. The views expressed are those of the author of the article or person quoted and not necessarily that of the Editor, CVS, MBCA, Mercedes-Benz NA, Daimler AG or any of their affiliated organizations (although maybe they should be). Owners should consider possible techniques or modifications in light of common sense, and compromises involving economy, longevity, performance, reliability, drivability, legality, and resale value not to mention the affect on one's virtue, morality, integrity, dignity, honor, respectability, nobility, purity, ethics and good character. Any modifications possibly affecting emissions or safety are just silly and should not be attempted. Neither this publication nor this organization, Editor or his minions will assume any liability for ensuing consequences for your inept application of those techniques described herein.
- Editor

President's Message

by Brad Purvis - President

Fall is receding in the rearview mirror and Winter is approaching head-on. If you haven't prepared your Mercedes-Benz for a long

We held our annual meeting there two years ago and I think everyone enjoyed the food, service and venue. Make sure you White List

winter's nap then you'd best get a move on. Anti-freeze, brakes and tires are three of the biggies if you plan on driving through the season then you may consider a lighter weight engine oil, keeping in mind manufacturer's recommendations.

You will notice a different format to the Old Dominion Star this time as I've transferred design from Apple's Pages to ConstantContact. My learning curve is a bit steep at the moment, so please bear with me. That said, I'm still looking for someone to take over as Editor of our newsletter. As much as I might think I can do it all, alas I cannot, nor do I desire to. So, send me an email or give me a call if you are even remotely interested.

I hope as many of you as possible are planning on attending our Annual Holiday Party at Tarrant's West in Richmond on the 16th of January.

ConstantContact and cvsmbca@gmail.com in order to receive the latest updates.

We are working on nailing down our events for next year. If you have any ideas or wish to host or organize an event, please let us know by sending us an email.

At this point we seem to be struggling with our social media presence. We do have a [Facebook Page](#), but again, with a few exceptions, I seem to be the only one to post or share. We currently do not have an Instagram, Twitter, TikTok or YouTube page, however, I have been sharing Ken Brasfield's excellent YouTube videos about his W108 as he makes them available.

I'm always looking for stories and pictures for the newsletter, so don't be shy and send something, anything.

Hals und Beinbruch!
Brad

Will Milby Appointed New Treasurer

Your Board of Directors have recently appointed Will Milby as our new Section Treasurer to fill the remaining term of Richard Schwartz who recently moved to North Carolina.

Will has been a member of the MBCA for over 38 years and has always been very active in our Section, most recently serving as a Director at Large.

Richard, who is one of Section's founding members, and our first President, will remain an integral part of our organization by stepping into the role of Director at Large.

Will and Justine Milby pose with the Time-Distance Rally First Place Trophy they recently won at Mercedes Fredude.



Welcome New Members

- Peter & Linda Thain - Midlothian
- Mark Jones - North Chesterfield
- Cheryl Hartman - Henrico
- Hugh Conway - Doswell
- Todd Lilly - Danville
- Marie Tynan - Danville
- David Lydiard - Richmond
- Stewart Chang - Charlottesville
- Theodore Gaul - Richmond



- Theodore Gaur - Richmond
- Caldon Curtis - Chesterfield
- Mark Capps - Dublin



When it needs to be just finger tight



Renewing Members

Thank you loyal members

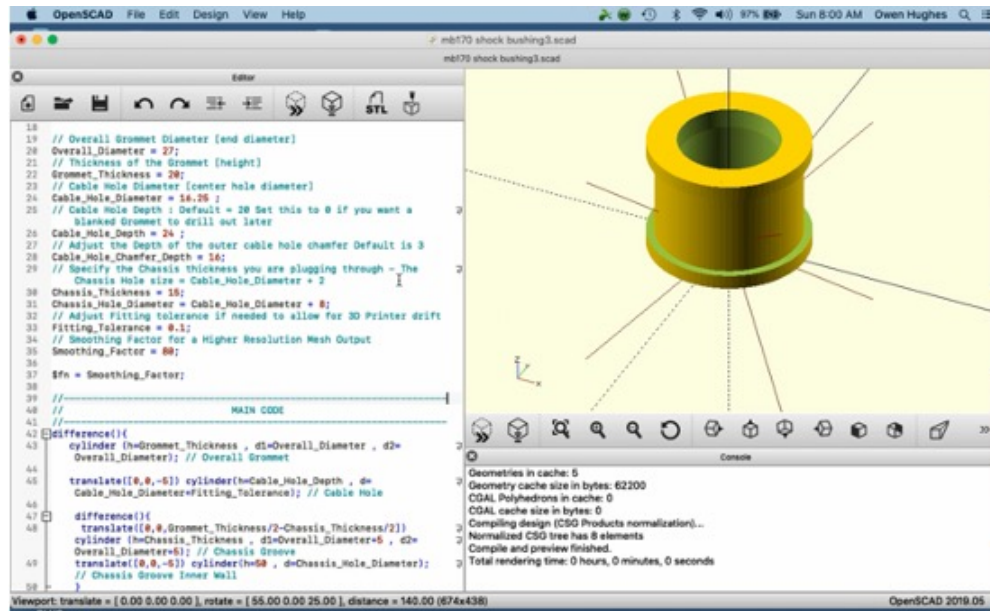
- Mark Evans - Glen Allen
- Justin Sarafin - North Dinwiddie
- Robert Aftel - Fredericksburg
- Ryan Loose - Roanoke
- Justin Frackelton - Henrico
- Dr. Albert E. Scott, Jr. - Chester
- Victor Greene - Glen Allen
- Valarie Carter - Chester
- Vince Capaccio - Bridgewater
- Martina Sibley - Louisa
- Dean Banta - Fredericksburg
- Paul Kolmetz - Sandston
- David Tetteron - South Boston
- David Warren - Gloucester Point
- Michael Lawera - Roanoke
- Stuart Thacker - Henrico
- R Metcalf - North Chesterfield
- Robert Johnson - Richmond
- Tom Bobbitt - Midlothian
- Darryl Starnes - Mechanicsville
- Dennis Hawes - Buena Vista

3D Printing

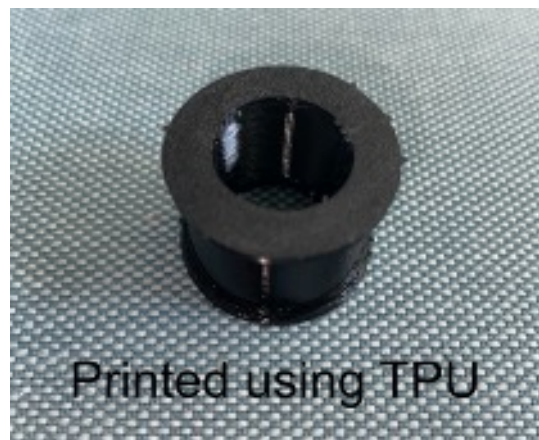
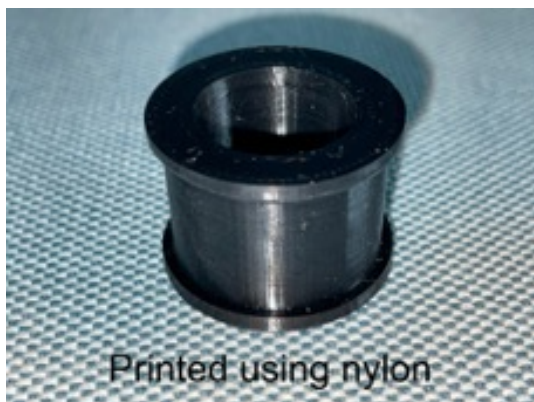
by Chip Hughes

Have you ever thought about the parts that are needed to repair your car? Manufacturers try to predict what will be needed and make enough extra parts for the future. Some of us drive cars that are older than usual. Sometimes Mercedes will reproduce another batch if there is enough demand, or the original manufacturer will agree to produce the part one by one as needed as is the case with the flexible oil pressure line from the engine to the gauge. My oldest is a 1958 190 or 1967 230SL. Last week was finishing up a 1938 170V. When repairing the front end, I found I needed the rubber bushings for the links between the level shock absorber and the upper steering knuckle. Mercedes still has a parts catalog that includes many older vehicles, but they only have some of the parts you may want. Enter 3D printing. 3D printing has made strides over the years, and you can print with different types of plastic

different types of plastic.



To start you need software that lets you draw a 3D object. There are several different versions of software, Openscad (free), Freecad (free), Fusion 360 (~ \$800 per year), Google Sketchup (\$299 / yr). Openscad is different from the other software because you create commands, link them together and then tell it to render what you have created. The screen shot to the right is of Openscad. Then you save it so a slicer program can create the printer file. The slicer tailors the final file for your printer and material used. You can choose the temperature of the print head and print bed. You can adjust whether you want to add supports, so the head is not printing on thin air. Then a 3D printer is needed and some sort of filament. PLA is a plant derived thermoplastic and is not suitable for high temperature (above 50degrees C), but it is easy and inexpensive to use. ABS is Acrylonitrile Butadiene Styrene and is more durable than PLA but is harder to print. If you are making bushings for suspensions TPU (Thermoplastic Polyurethane) would be the choice. TPU is stretchy like rubber and when printed you can change how the inside is structured by filling the bushing 20% or on up to 100%. The more fill the firmer the object.



The printer prints by pushing the melted plastic through in my case a 0.4mm nozzle. The nozzle moves left and right, and the bed moves fore and aft. Thus, if done right you can create a circle. After completing a layer, the head moves up 0.12 or .2 mm and the process is repeated.

Mercedes 230SL, 250SL, 280SL use a little blue plastic nut to hold the wood trim to the dash. These are no longer available from Mercedes. But can be printed and then threaded



from Mercedes. But can be printed and then threaded.
Printing in metal such as stainless is also possible but the price is out of reach for most hobbyist. Printing in metal infused plastic is possible but certainly has limited applications.



Gottlieb Daimler's Birthplace
Schorndorf, Baden-Württemberg, Germany

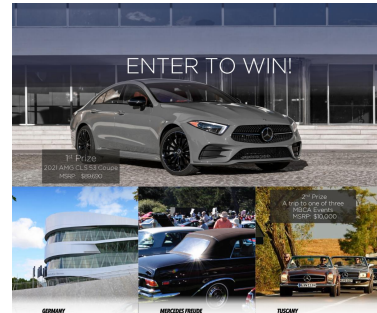
Photos courtesy of Steve Kocsi



FINAL HOURS

2021 MBCA RAFFLE
DON'T MISS YOUR CHANCE AT WINNING
THE LAST DAY TO PURCHASE TICKETS IS
THURSDAY, DECEMBER 2ND
DRAWING IS THURSDAY,
DECEMBER 9TH

[GET YOUR TICKETS NOW!](#)



Your Section Officers

*Old Dominion Star is the official publication
of The Central Virginia Section of the
Mercedes-Benz Club of America*

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Membership in the MBCA is open to any Mercedes-Benz enthusiast regardless whether you own a Mercedes-Benz or not. For more information please visit <https://www.mbca.org/join-today>. To renew your current or lapsed membership visit <https://www.mbca.org/user/renew>. If you have any questions please Email our Membership Chairman Todd Lusby at: tlusby@gmail.com.

Membership count: 188

Visit us online at: <https://cva.mbca.org>

Facebook:
<https://www.facebook.com/Central-Virginia-Section-Mercedes-Benz-Club-of-America-652612551444306/>

We encourage our members to submit articles, stories and pictures for publication in *Old Dominion Star*. We kindly ask you follow the specifications listed below. To submit an article, please send to cvsmbca@gmail.com. Make sure you reference *Old Dominion Star* somewhere in the subject line.

SUBMISSION DEADLINE
15th of the month preceding the issue month, i.e., Spring edition:
15 February

SUBMISSION SPECIFICATIONS
Text: any Arial, Verdana or Helvetica
Font Size: 10-12 pt
Format: Word, Pages or Text file
Photos: max size 1MB, jpeg or gif
(min 800 x 800 pixels)

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<https://cva.mbca.org/section-newsletters>



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