



# Ündfolge

**NOVEMBER 2022**  
**VOLUME 31-11**

*Official Monthly Newsletter of  
The Central Ohio Vintage  
Volkswagen Club*

## NEXT MEETING INFO

**November 10th, 2022**  
**Pizza House 7pm, 747 E. Lincoln Ave. Cols.**

### COVVC OFFICERS

#### Board of Directors:

Mark Garrett	garrett48@ameritech.net	614.262.2881
Stark Hughes	covvc42@earthlink.net	614.843.0751
Kathy Kern	et4scooter@yahoo.com	614.940.8047
Mike Roecker	michaelroecker@gmail.com	216.233.4456
Linda C Brown	msbug1974@gmail.com	614.253.4694
Richard Rambo	papabear@aol.com	614.551.6621

#### Officers

<i>Secretary</i>	Debbie Garrett	garrett48@ameritech.net	614.262.2881
<i>Treasurer</i>	Todd Sichel	aafstodd@sbcglobal.net	614.252.1431
<i>Membership</i>	Ryan Cisco	ryancisco@gmail.com	740.709.0183
<i>Historian</i>	Doug Barber	brevort1@mac.com	937.974.9190
<i>Webmaster</i>	Ashley Cook	alcook1023@gmail.com	419.681.0518
<i>Zundfolge Ed.</i>	Brian Knoll	bkrider@att.net	937.206.9293

#### Contributors

<i>Tech Advisor</i>	Al Moore	Columbus aleftrick@gmail.com	740.756.9218
<i>Tech Advisor</i>	Bruce Amacker	Cleveland bamacker@aol.com	440.846.3885
<i>Tech Advisor</i>	Bill Huntsman	Marion vwpartsandrepair@cs.com	740.389.3187
<i>Tech Advisor</i>	Jim Meyer	Circleville jemeyerz@outlook.com	740.474.4410
<i>Water Cooled</i>	Jerry Ohara	vdubfreak@sbcglobal.net	614.471.8786
<i>Social Media</i>	Doug Barber	brevort1@mac.com	937.974.9190

## Coming up in December

Lead Article.....

Meeting Date... SATURDAY, December 10th

Location ..... Garrett's Residence

### INFORMATION

In the Spring of 1991 our club was founded by 12 enthusiasts looking for a way to pool their parts and resources to maintain



their vintage Volkswagen Cars. Going strong for more than 30 years with about 200 members and the premiere Vintage Volkswagen club for Central Ohio. We Strive to share knowledge and resources while having plenty of fun. We welcome everyone interested in classic air-cooled as well as newer water-cooled VW products. Annually we host Ohio's largest Volkswagen Car show & swap-meet 'Volksfest' raising funds to benefit local charities.

### ZUNDFOLGE

Zundfolge (translated 'firing order') is published monthly by the Central Ohio Vintage Volkswagen Club. Its purpose is to keep us informed and running smoothly, while providing knowledge and enthusiasm into the Classic VW Community. Members are encouraged to submit articles and photos for the newsletter. Please contact the Editor for more information. Brian Knoll @ bkrider@att.net

To obtain VW factory information send your serial number to:

Pre 1955:

VW Brezelffenstervereinigung e.v.  
Ernst Reiter Hagen, Amselweg 4, D  
3073 Liebenau, Germany

Post 1955:

Customer Assistance, Volkswagen AG  
Postfach, 3180 Wolfsburg 1, Germany

## JOIN TODAY! CENTRAL OHIO VINTAGE VOLKSWAGEN CLUB

*Be a Member for Only \$25.00 Annually*

Name:

Address:

City:

State:

Zip:

Phone:

Email:

VW's Owned:

Complete and return your \$25 Check payable to COVVC to:

CENTRAL OHIO VINTAGE VOLKSWAGEN CLUB  
5577 Mesa Falls St. Dublin, OH 43016

Keep up with the  
Central Ohio Vintage  
Volkswagen Club  
Online!



facebook

[www.COVVC.org](http://www.COVVC.org)



*Hello fellow COVVC members and welcome to November. Where has the year gone? Now less than two months until 2023! I hope everyone was able to get out and enjoy your vintage VWs this year and get some fresh air, for both you and your VW. I have seen many of you around this year at shows, cruise-ins, and cars and coffee meets, including this past Saturday, And yes I did take my 1988 Crown school bus to cars and coffee. If anyone has pictures or stories to share, please send those in to our newsletter editor to get those in a future issue. They can be emailed to: [bkriders@att.net](mailto:bkriders@att.net). Hopefully there will be a few more nice weather days to attend the handful of shows left for the year and for cars and coffee meets.*

*November is election month for our board of directors and officers for the club. Please plan to attend this month's meeting to participate. We will be meeting at the Pizza House, located at 747 E Lincoln Ave, Columbus, OH 43229. Meet at 6:30 for social hour and dinner if you choose, meeting/business to start around 7:30.*

*I would just like to give a quick reminder to renew your membership. Please check the newsletter mailing label for your expiration date that is beside your name, it will list the month/year your membership expires. You can renew on our website, by mail, or at the monthly meeting.*

*Looking ahead into 2023, I would like for everyone to think about Volksfest next year. This year came with its own set of challenges with the school construction and the adjustments needed for the show. However, the biggest challenge was with volunteers to assist with the show. We had a very low turnout for help this year. This makes for a very long and tiring day for those that are there. I hope that everyone will consider coming out to Volksfest in 2023, but in addition consider helping your fellow club members with the work of the show. You don't have to stay all day, just two hours or even just one hour, every little bit makes a difference. The more people we have helping out, the better the show will be. There is a lot of work to make this one-day show happen. If anyone has any ideas, suggestions, or questions, please feel free to reach out to me.*

*If you made it all the way through my article, thanks for your time and attention. I hope many of you can make it to the meeting this month and have a great Thanksgiving Holiday this month.*

## DELAWARE SHOW

*The Performance Charity Car show held in Delaware back on October 8th was nicely supported by the COVVC. Although it started out in the 30's that morning, by noon it was over 60 and sunny. We had at least 4 Beetles make the trek, in addition Richard Rambo's nice Ghia, and Brian Knoll's 66 Bus. There were a few other campers, bay windows and beetles spaced throughout the show, hopefully they were members too! They announced 550 cars that day, and because it's held on the closed downtown streets, they had to actually turn cars away (100??) over space issues. One nice thing about this show is the city really turns out, lots of spectators all day long. All the proceeds are for charity, and Performance Chrysler and the city of Delaware did a nice job. In addition to various sponsor and category awards, they also had top 100 car awards which a few of our members took home!*



## ANNUAL CHRISTMAS PARTY IS BACK!

**Mark and Debi Garrett**

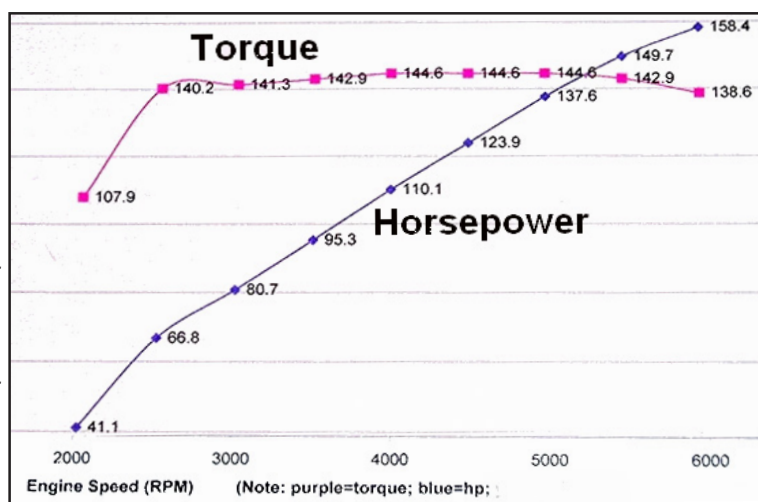
*After two years off due to Covid, Debi and I are pleased to announce the return of the annual COVVC Christmas Party! It will be held on Saturday December the 10th, starting at 6:30pm. Our address is 1294 Frisbee Dr., Columbus, OH 43224.*

*This is a BYOB party, and everyone is also encouraged to bring either a main dish or dessert item. Trust me you will not leave hungry! The toy room will be open for your viewing pleasure, and also the garage will be available for party enjoyment. We look forward to seeing everyone and getting back to one of our favorite traditions.*

## Horsepower vs. Torque- Don't Get Confused!

The typical consumer is very confused about these terms. Stop down at your local watering hole and scope out the guys with the new muscle cars in the parking lot, every one of them knows exactly what the HP rating is on their engines, but few have the torque number memorized. Automakers tout the horsepower numbers in their auto ads, and Detroit is once again in a serious horsepower battle like it was in the late 60's. Most people look at the HP rating of an engine and stop there, but horsepower is not where it's at- torque is where it's at. In my opinion, horsepower is roughly equated to top speed and torque is equated to acceleration. Now what are we going after in your typical daily driver- acceleration, or top speed? I doubt the majority of you are running your engines constantly at 5000-7000RPM, which is where peak HP is probably made. The majority of us are running our engines at 1500-3500RPM, which is where torque peaks at. Horsepower is not what pulls you from traffic light to traffic light, torque is. The next time someone asks you, "How much HP does it make?" tell them, "I don't know, but it sure makes a lot of torque!" So, how do you increase the torque on a stock engine? Well, only small improvements can be made without a total overhaul. To increase torque on a reasonable budget you can install a performance exhaust system and more carburetion but this may add only 10-20% on a stock engine. To get "real" amounts of increased torque you'll have to go inside- increasing the displacement by installing larger piston/cylinder assemblies, a stroker crankshaft, high lift/duration camshaft, different ratio rocker arms, and other typical performance goodies. Installing a longer stroke crankshaft will give more leverage for the piston to turn the crankshaft, which increases torque considerably. Increasing the piston bore size will also help by increasing how much "push" there is on the crankshaft throws.

In the chart to the right of a 2276 VW engine, notice how much torque and HP are made at 2000RPM - the torque at 2000RPM is 74% of its maximum, but the horsepower at 2000RPM is only 25% of its maximum. Also notice that at 2500RPM the engine makes nearly 100% of its torque. Going to forced induction (turbocharging or supercharging) is another way to increase both torque and horsepower dramatically but the cost and complexity of the system goes up accordingly.



Volumetric efficiency is how much air/fuel mixture you can get into the cylinder, meaning filling a quart cylinder with a quart of air/fuel mixture during the intake stroke. Most of our engines are naturally aspirated (non-turbocharged) where the piston's downward stroke develops the vacuum needed to pull the air/fuel mix into the cylinder. In a perfect world engines would have 100% volumetric efficiency, meaning you would completely fill the cylinder between (approximately) TDC when the intake valve opens and (approximately) BDC when the intake valve closes. Because this intake cycle happens so fast, it is difficult or impossible to get 100% volumetric efficiency in an old engine design like ours. Things are happening REALLY fast inside a running engine, at 600RPM the intake stroke lasts about .05 of a second. That's five one-hundredths of a second at idle! At 6000RPM the intake stroke lasts just .005, or 5 thousandths of a second! The basic objective is to fill the cylinder completely full of air/fuel mixture in this short time but this rarely happens in an air cooled VW without forced induction. Usually the volumetric efficiency of our engines runs in the 70-90% range, but can greatly exceed 100% with turbocharging or supercharging.

Torque will also be stronger when the velocity of the air fuel mixture is increased at low speeds- this helps volumetric efficiency which would otherwise be somewhat lacking at that speed. .... Continued on Page 6 .....



# MARION TOUR REPORT

What a perfect day it was to spend with our friends in Marion! On October 15th, Bill and Olivia Huntsman hosted the annual Marion Tour, after a couple of years off. After a wonderful lunch at El Camposino's and great door prizes for everyone, it was off to the recently renovated Harding Presidential Museum. While we had been to the Harding house several times, the newly constructed museum was most interesting. A drive back to Columbus in our vintage Beetle capped off a perfect afternoon. A big thanks to Bill and Olivia for another memorable get together.



**And Happy Birthday Bill!**



# MEETING MINUTES

Debi Garrett

The October 13th meeting started promptly at 7:30pm with Mark Garrett leading the meeting. There were 22 people in attendance at Pizza House.

We announced that the meeting for November 10th will also be at Pizza House, followed by the December meeting in which will be on Saturday the 10th at Mark and Debi Garretts.

Ryan Cisco reported we have 191 members after Volksfest

Todd Sichel sent a note stating we have \$ 23,478.00 currently in the treasury.

Bill Huntsman's Marion tour is Oct. 15 in Marion. An article and pictures will follow in the newsletter. This is always a fun time starting at El Campesino for lunch.

Stark Hughes reported that Kelly's Island had over 120+ busses this year for the 21st year. There were no breakdowns, and no one got lost. Breakfast is served every morning, and everyone had a great time. If you have a bus, think about going next year.

We had two new members at the meeting: Jordan Koegle has a 68 Bus and a 65 Beetle, and Toby Droughton has a 69 Ghia. Thank you both for coming and we hope you had a great time.

Please be thinking of a charity for the club to contribute. We want it to be local, not a huge "chain" charity and one that serves the community with the proceeds going to the charity not the administration. We had "Kids n Kamp" for years and they are now gone. They were a wonderful organization serving children with cancer and the families. There was also a small discussion on the annual banquet in January.

Lastly a reminder that the November meeting is being lead by Ryan Cisco and it will be the Officer's Elections.

Zits is a comic strip written by cartoonist Jerry Scott and illustrated by Jim Borgman about the life of Jeremy Duncan, a 17-year-old high school junior . The comic debuted in July 1997 in over 200 newspapers and has since become popular worldwide.

\*adapted from Wikipedia

Back in 2015, there were several weekly 'episodes' dealing with something many of us are familiar with! - we will try to run a few of these each month when space allows.



## MEMBERSHIP UPDATE

Ryan Cisco

How do you know if your membership has expired? Your expiration date (month/year) is beside your name on the back of this newsletter. You can renew your membership online on our website, [www.covvc.org](http://www.covvc.org), or you can mail a check. Please make checks payable to COVVC and mail to: COVVC c/o Ryan Cisco, 5577 Mesa Falls Street, Dublin, OH 43016.

We had 3 new members join last month and 5 existing members renewed, and our current membership is at 186. Please welcome our new members to the club!

Renewals: Jeff Jasiewicz, Pete Knoll Jr, Andre Prenoveau, Christopher Knight, Ray Doner

New members: Kelly Uemura, Eric Gingerich, Wilson Burrows

..... Continued from Page 4.....

The "single port crowd" sometimes argues that their engines have more torque than dual port engines because of the faster velocity of the air/fuel mixture in the smaller intake design. I've owned both and won't argue that a properly tuned single port IS a torque monster, and a dual port engine may have less torque off the line than a single port, but more power higher up in the RPM range. Velocity is important for torque, so a smaller intake manifold and smaller carburetor may frequently enter into this equation on a larger CC engine like my 2180 with a small Zenith 32NDIX carb. There's an old adage- speed costs money, how fast do you want to go? I'm not going to write how to build a performance engine here as this column isn't large enough!

If you want to experience true torque, take a modern VW TDI or similar diesel for a test drive. Diesels produce massive amounts of torque at the low engine speeds that we cruise at- usually 1500-2500RPM. Many times the HP rating of a diesel is very low compared to a similar gas engine but the torque is rated much higher, and the maximum level comes at a much lower engine speed. The acceleration of a modern diesel is infectious! Because of this different torque curve and the fact that diesel fuel has about 12% more BTU's of energy in it than gasoline, diesels also get considerably higher fuel economy than a similar gasoline engine. Have fun, stay safe, and keep driving those classic VW's.



# COVVC *BUSINESS FRIENDS*

## COWLIN INSURANCE AGENCY



CHRIS COWLIN  
AUTHORIZED AGENT



Have a collectable car?  
Ask us about  
Hagerty Classic Car coverage.

South 614.759.7806    North 740.965.8150  
ccowlin@allstate.com

PROUD SPONSOR OF VOLKSFEST!



## MARION'S OLDEST IMPORT AUTO REPAIR

— Bill Huntsman, Owner —

Foreign & Domestic Repair    New & Used Foreign Auto Parts

Licensed  Distributor

740.383.1118    or    800.686.2250  
624 East Church Street, Marion, Ohio 43302

## The NorthEnd Wrench, Inc.

Your Preventative Maintenance Expert!

Offering the Following Services:

- Brakes
- Exhaust
- Tune-Ups
- Fluid Changes
- Air Conditioning
- Foreign & Domestic
- Vintage Volkswagen & Porsche

***Certified  
Technicians***



Monday - Friday  
7am - 6pm

4330 Indianola Ave.  
Columbus, OH 43214

614.263.4978

Celebrating 25 Years of Service!

## Garrett's Automotive Detailing

*By appointment only*



Mark Garrett  
1294 Frisbee Drive  
Columbus, OH 43224

614.262.2881  
garrett48@ameritech.net

*Specializing in Show Quality Detailing*

***Place Your Ad Here!***

Contact Brian Knoll  
bkriders@att.net

## KELLEY'S ISLAND REPORT

Stark Hughes reported at the last meeting that this years recent Kelly's Island Campout was one of the best in many years. There were somewhere in the neighborhood of 120 buses onhand!. Many 'newer' younger members and families attend, which is great for our Vintage VW Community. Decent weather, good memories, new friends, and lots of social time around VW buses. The small caravan from Columbus made the trip without incident, and encourage others to join us in 2023!. Photos courtesy of Kathy Kern.

