

The Flat Six Journal

Mid Continent Corvair Association Newsletter

February 2018

Spears West is Site Of Pre-Spring Fling

Hope everyone is looking forward to the Pre-Spring Fling and February meeting at Spears West on Saturday, February 10th. Remember we are starting at 6 pm. The highlight of the evening will be the presentation of the Third Annual Mel Horstman Memorial Award. Spears is just off the NE corner of the Towne West parking lot.

The next MCCA event in February will be Cold Tuna on Saturday the 17th at the Kalp Shop. (See story on pg. 3) It is a good time to bust the cabin fever, wrench on some Corvairs, socialize and eat.

There was a good turnout of members for the January MCCA meeting despite the very cold weather. The chill kept the Corvairs out of the parking lot as nobody drove their Corvair to the meeting. Jay Allen sent along a couple of samples of the RoundUp logo laser etched into some Zebra wook. They looked great and will be the basis for the 2018 Roundup awards.

The meeting wound up with an excellent pre-



The Mel Horstman award will be presented to a MCCA member at the February dinner/meeting.

Jan. Meeting



HHR 3



Jeep 2

sentation from Mark Welte on removing rust from his motorcycle gas tank. Mark also submitted a detailed article on the process which you can find on pages 4&5 of this issue.

Three MCCA members attended the Tech session at Mike Dawson's near Kansas City. (See story on pg. 6).

Get your Corvair ready for an outstanding 2018 season. Many events to attend.

Feb. Meeting

Saturday,
Feb. 10th 6 pm

Spears West
4343 West Maple
Wichita KS

Classifieds

MCCA Officers

Lyle Ackerman

President

316-207-3321

Mark & Darlene Welte

Vice-President

Ned Madsen

Treasurer

316-680-3483

Greg Renfro

Secretary

Terry Kalp

Newsletter Editor

316-755-2458

Web Site

[http://www.Corvair.org/chapters/
chapter672/index.html](http://www.Corvair.org/chapters/chapter672/index.html)

1212 Patrick Henry

Derby, KS 67037

FOR SALE 1964 Corvair Monza convertible Solid, clean driver. 110 hp engine with automatic PowerGlide transmission. Rebuilt engine and front end. Originally a Spyder. Has exhaust cutout and proper VIN. Price is \$4,000.00. For more information call **316- 461-7890**



Thank you for your help.

Lloyd Folger



*Check out MCCA
On Facebook*



Mid-Continent Corvair
Association

[https://www.facebook.com/
groups/105523176146520/](https://www.facebook.com/groups/105523176146520/)



REAR-ENGINE SPECIALISTS

Steve Goodman

16010 W. 5th Ave., Unit 12

Golden CO 80401

(303) 278-4889

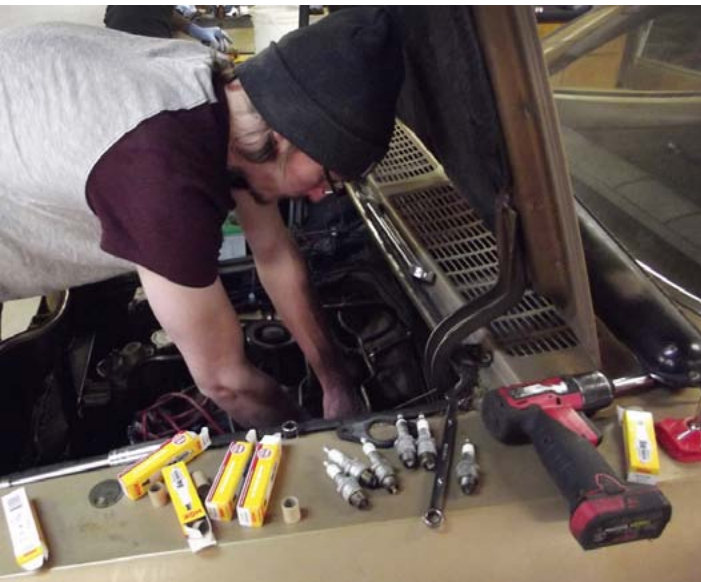
Fax (303) 936-7420

e-mail: rearengine.steve@worldnet.att.net

internet: <http://rearenginespecialists.com>



On Sunday, January 28th Alex Moats and Patrick Tinin visited the Kalp Shop. Their project was to work on Patrick's LM Corvair coupe. First they chased a lifter tick on the passenger's side. The valve cover was pulled and lifters adjusted. Then while Alex performed a carb rebuild Patrick worked on swapping out the spark plugs.



Cold Tuna Feb. 17th In VC at Kalp Shop

It is Tuna time. Come out to the Kalp shop at 2140 W. 101st Street North, Valley Center, on Saturday February 17th for a day of Corvair "tune-up" and repair. Time to start planning your Corvair upgrades for Spring and Summer Corvair driving enjoyment.

Doors open at 8:00 am and close when the last project is finished. There will be a Pot Luck lunch, the main dish will be Soups and Greg will be fixin' Chili. The Club will be providing plasticware, plates, bowls and napkins. Not sure what to bring, contact Lyle Ackerman at 316-207-3321 and Lyle or Lonnene can help you decide.

Still plenty of time and space for Corvair repair/upgrade projects. If you need to discuss your Tuna project you can contact Ned Madsen at 316-788-1724

Project Police . . .

Lee Olsen was in Oakley and stopped in to see **Jens Mohr** this past week. Lee posted a photo of **Jens'** EM convertible on Facebook. Looks great.

Terry Kalp got a working radio in **Keith Lipold's** station wagon. It was a struggle. Terry is positive that it gave him a negative attitude.

**2018
MCCA Dues**
are due in January

The \$15 annual dues may be paid to Ned Madsen in person or sent to 1212 Patrick Henry, Derby, KS 67037

Rust Removal

Science Experiment

Using Chemistry for Easy Rust Removal
by Mark Welte

I recently purchased an old motorcycle for restoration. The bike had been sitting for 20 years and had a considerable amount of surface rust in the fuel tank.

There are three general approaches that can be used to remove the rust. One is mechanical, using **abrasives** to dislodge and remove the rust. The next approach is the use of **acids** for rust removal. Both of these methods remove good metal along with the rust.

The third approach is to use **electrolysis**, which uses electricity to REVERSE the chemical reaction of the rusting process. An electrical current is passed through a mild alkaline electrolyte solution allowing oxygen to be removed from the oxidized metal, converting rust back into iron (steel). Benefits of electrolysis are: the mild electrolyte used is not hazardous, (although a minimal amount of hydrogen is produced so a ventilated area is still a good idea), and when finished, dump the used solution on the ground!

The biggest benefit of this method is that it removes only the oxygen from the oxidized metal, returning the surface rust to metallic iron. Un-rusted metal is not affected in any way. Electrolysis can be employed for an extended period of time with no negative effects. Once all the surface rust is returned to metallic iron, there is nothing left for the process to do – it becomes dormant.

Note: The electrolysis method is only used on ferrous metal; it does not work on non-ferrous metals such as aluminum, copper, or brass.

So, which approach do you think I chose?

What I Used / What You Need

- ✓ **10 amp battery charger** Lower amp rated chargers will also work, it just may lengthen the process somewhat. Higher amp rated chargers are not recommended – they can “push” the process too hard with less than optimum results
- ✓ **Arm & Hammer Super Washing Soda** (also called Laundry Soda) Found in the laundry detergent section of grocery stores – I got mine at my local Walmart Market) Note: This is NOT baking soda.

- ✓ **Sacrificial Anodes** made of steel or iron (but NOT stainless) Any steel you have handy can be used – rebar, round stock, chain, etc. (Do not use galvanized steel) I used a wire coat hanger, but had to remove any paint or varnish on the hanger so the entire surface was conductive.
- ✓ Scrap wood, Painter’s Tape, Plastic Bucket, Measuring cup, Funnel, Water, Box of screws, nuts, or washers, etc., Bottle of isopropyl gas line antifreeze/water remover (such as Heet or Drygas), and a Container of two-stroke oil

What I Did

First I prepared the tank by cleaning out the old gas and let it dry. I removed the pot metal petcock from the tank and sealed off the hole.

Next I fabricated a sacrificial anode by cutting the hanger into a “Y” to fit in the tank without touching the inside, and used a piece of scrap wood with a hole to hold the anode and seal over the filler hole, while insulating the anode from the filler neck and providing a connection for the anode outside of the tank.

Mix the solution ¼ cup washing soda per two gallons of water. Completely fill the tank to the top with the solution. (The process only works where the solution touches the metal – if there is air space at the top, no rust will be removed from that part of the tank. Connect the **NEGATIVE** clip from the charger to the metal of the tank.



Insert the anode and wood block assembly into the tank full of solution, insuring the anode does not contact the inside of the tank or the filler neck. Secure the wood block with tape so the anode will not move and ground to the tank. Connect the **POSITIVE** clip

Rust Removal

Continued from Pg. 4

to the anode sticking up through the wood block on top of the tank. Double-check these connections -- THIS IS VERY IMPORTANT. If you reverse these connections, your tank becomes the sacrificial anode!

Turn on the charger and monitor the current draw on its ammeter. In my case it initially drew around three amps but soon decreased and remained near zero through the rest of the process. Oxygen ions travel from the oxidized metal to the sacrificial anode, and iron ions travel from the sacrificial anode to the oxidized metal in the tank.

Monitor the process. Disconnect power and check the anode at least twice a day. It will be covered with a layer of accumulated rust that needs to be cleaned off – just wipe it off with a rag (you can then touch it up with a piece of steel wool if you like). If the layer gets too thick, it can lengthen the process. Adjust your inspection interval to avoid the anode becoming too covered with rust between cleanings. Monitor the



Anode with rust coating that is removed

condition of the sacrificial anode. As it erodes, at some point it will need to be replaced. The solution can be used for the entire process; there is no need to change it. You will also need to add solution occasionally.

The process will take several days. There are no negative effects of extending the process. When it is done? When the surfaces are cleaned to your liking.

As part of this process, a thin black film will be deposited on the inside of the tank. This film needs to

be removed. Once the de-rusting is completed, drain the solution from the tank, rinse and fill with plain water. Dump your box of screws or nuts or washers (or fence staples in my case) into the tank. Close the lid and shake the tank at all angles so the pieces in the tank help remove the black film inside. Open the lid, drain the water and repeat until the water drains clean. It took about five or six cycles before my tank rinsed clean. Now remove all the screws or whatever you used. A telescoping magnet comes in handy to retrieve those last few screws that can tend to be stubborn. Shake that last bit of water out.

Now you have a clean de-rusted tank that is wet inside and will begin rusting again. My solution, pour a bottle of isopropyl gas line antifreeze/water remover into the tank, close the lid, and shake at all angles. The alcohol will absorb the remaining water in the tank, which you pour out. The remaining alcohol in the tank has a low evaporation point; Use a heat gun (or blow dryer) to gently warm up the tank and speed the alcohol evaporation. Once dry I poured a small container of two-stroke oil in the tank and ensured it coated all the surfaces to protect the tank from rust.

Can I Use This Method on the Corvair?

Absolutely! This method will remove rust from steel Corvair parts, only affecting the rust and leaving the good metal. It is useful in freeing rusted pieces from each other or freeing corroded fasteners. If the piece can be submerged in the solution you can use this method. There are a few differences when de-rusting individual parts as opposed to cleaning the inside of a fuel tank:

The container for the solution needs to be non-conductive, such as a plastic bucket or tray, or for larger pieces a plastic storage bin can be used.

The Negative lead of your battery charger can be connected to a piece of electrical wire with an alligator clip that is in-turn connected to the submerged part. This keeps your charger lead up away from the solution and dry. The Positive lead is similarly connected to a sacrificial anode that is suspended in the solution not touching the part. Double-check the connections: Negative to the part, Positive to the sacrificial anode. The rest of the process is similar. The black film as a result of the process will need to be cleaned from the part. A stiff bristle brush or a rag can be used, depending on the part. And that's how chemistry can make your rust removal tasks much easier!

HACO A Winter Tech Session

By Terry Kalp

On Saturday, January 27th I headed out to Kansas City. First stop was Scott Allison's Garage Mahall. We talked Corvairs and checked out the progress on his race car. Soon we were joined by Keith Hammett and Mark Whitman. Lunchtime we all piled into Scott's maroon four-door and headed to Gates Bar-B-Q for a grand meal.

Next stop, around 3 pm., was Mike and Sandy Dawson's home and shop in Belton, MO. for the HACO A Winter Tech Session. Mike had the garage warmed up. After he passed out an informative hand-out Mike demonstrated how to use a multi-meter to check ignition coils, points and point plates. There was also a special tester to check ignition capacitors.

At the other end of the shop, Mike had a test engine and transaxle set up with a complete Corvair wiring harness. He used this setup to illustrate how to test the starter, solenoid. Mike was able to crank the engine and show how to test the oil pressure warning light sending unit. With the wiring harness laid out it we could count the 11 connections in the path of electricity from the battery, up to the dash, and back to the starter.

Soon it was time to eat (again) Sandy created some tasty soups and stews. The Dawsons also pro-



Mike Dawson presents while MCCA member Scott Allison listens with rapt attention.



MCCA member Keith Hammett (Left), studies his handout. Beside him is Gary Moore (KC), Larry Sherwood and Gary Jones..

vided water, soda, coffee and adult beverages. Attendees brought side dishes such as veggies, cheese, chips, fruit, bread, salads and desserts, lots of desserts.

Mike has authored more than one hundred Corvair technical sheets over the years and they are available on the HACO A web site <http://www.hacoa.org/>. From the home page in the Document Library there is a bulleted item "Technical" click it. The first option is "Mike Dawson's Preventive Maintenance Series". Click on that line and browse the documents..

2018 Events

February 10, 2018: Saturday February MCCA Pre-Spring Fling dinner meeting. Spears West, 4343 West Maple at 6 pm. Contact Lyle Ackerman 316-207-3321

February 17, 2018: Saturday Cold Tuna. Kalp Shop 2140 W. 101st Street North, Valley Center, KS 8 am till ????. Contact Terry Kalp 316-882-3056

March 10, 2018: Saturday March MCCA Regular meeting. Oaklawn Activity Center, 4904 S. Clifton, Ave. Wichita, KS 7 pm. Contact Lyle Ackerman 316-207-3321

April 14, 2018: Saturday April MCCA Regular meeting. Oaklawn Activity Center, 4904 S. Clifton, Ave. Wichita, KS 7 pm. Contact Lyle Ackerman 316-207-3321

April 13-15, 2018: Friday-Sunday Heart of Texas Reunion, Boerne, TX. Host Hotel Hampton Inn, 34935 IH-10 West. For more information contact: Phone: 713-410-9595 Email: corvair69@gmail.com

April 20, 2018: Friday April MCCA Central and West Show & Shine. Corner of Central and West streets in Wichita, KS 5-9 pm. Contact Lyle Ackerman 316-207-3321

April 28, 2018: Saturday April MCCA Road Trip. To be announced. Contact Ned Madsen 316-680-3483

May 12, 2018: Saturday May MCCA Regular meeting. Oaklawn Activity Center, 4904 S. Clifton, Ave. Wichita, KS 7 pm. Contact Lyle Ackerman 316-207-3321

May 18, 2018: Friday April MCCA Central and West Show & Shine. Corner of Central and West streets in Wichita, KS 5-9 pm. Contact Lyle Ackerman 316-207-3321

May 26, 2018: Saturday April MCCA Road Trip. To be announced. Contact Ned Madsen 316-680-3483

June 8-10, 2018: Friday-Sunday TriState Corvair Meet, Crested Butte, CO. Host Hotel, The Grand Lodge at Crested Butte 888-443-6715. For more information contact: <http://www.rockymountain->

corsa.org/contact/

June 10, 2018: Sunday June MCCA meeting and Lake Afton Car show. MacArthur Road at 247th Street West, Wichita, KS 11 am. Contact Lyle Ackerman 316-207-3321

June 15, 2018: Friday April MCCA Central and West Show & Shine. Corner of Central and West streets in Wichita, KS 5-9 pm. Contact Lyle Ackerman 316-207-3321

June 16, 2017: Saturday Juna Tuna. Kalp Shop 2140 W. 101st Street North, Valley Center, KS 8 am till ????. Contact Terry Kalp 316-882-3056

June 23, 2018: Saturday April MCCA Road Trip. To be announced. Contact Ned Madsen 316-680-3483

July 14, 2018: Saturday July MCCA meeting and Automobilia Moonlight Car Show. First and Emporia. Wichita, KS 7 pm. Contact Lyle Ackerman 316-207-3321

July 20, 2018: Friday April MCCA Central and West Show & Shine. Corner of Central and West streets in Wichita, KS 5-9 pm. Contact Lyle Ackerman 316-207-3321

July 23-July 28, 2018: Tuesday-Saturday COR-SA International Convention, Pittsburg, PA. Host Hotel The Double Tree by Hilton-Green Tree.

August 11, 2018: Saturday August MCCA Regular meeting. Oaklawn Activity Center, 4904 S. Clifton, Ave. Wichita, KS 7 pm. Contact Lyle Ackerman 316-207-3321

August 17, 2018: Friday April MCCA Central and West Show & Shine. Corner of Central and West streets in Wichita, KS 5-9 pm. Contact Lyle Ackerman 316-207-3321

September 8, 2018: Saturday September MCCA Regular meeting. Oaklawn Activity Center, 4904 S. Clifton, Ave. Wichita, KS 7 pm. Contact Lyle Ackerman 316-207-3321

September 21, 2018: Friday April MCCA Central and West Show & Shine. Corner of Central and West streets in Wichita, KS 5-9 pm. **September 28-30, 2018: Friday-Sunday** Great Plains

Corvair Roundup Wichita, KS. Host Hotel Best Western Wichita North 915 E. 53rd N. Wichita, KS 316-832-9387

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2018 Events

Continued from pg. 7

October 13, 2018: Saturday
 October MCCA Regular meeting. Oaklawn Activity Center, 4904 S. Clifton, Ave. Wichita, KS 7 pm. Contact Lyle Ackerman 316-207-3321

October 19, 2018: Friday April MCCA Central and West Show & Shine. Corner of Central and West streets in Wichita, KS 5-9 pm.

October 20, 2018: Saturday
 Juna Tuna. Kalp Shop 2140 W. 101st Street North, Valley Cen-

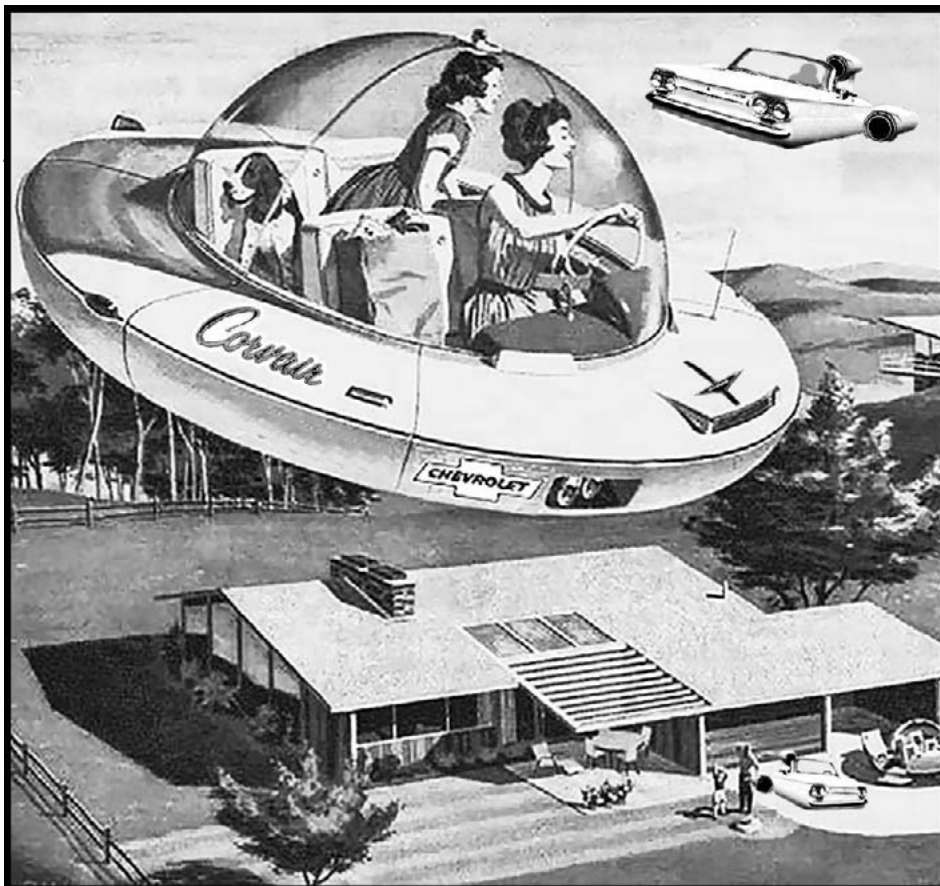
ter, KS 8 am till ????. Contact Terry Kalp 316-882-3056
October 27, 2018: Saturday
 April MCCA Road Trip. To be announced. Contact Ned Madsen 316-680-3483
November 10, 2018 Saturday
 November MCCA Pot Luck dinner and meeting at Bob and Lee Bright's 210 E. Walnut, Derby, KS, KS 6 pm. Contact Lyle Ackerman 316-207-3321

February Meeting

6 pm

Feb. 10th

Spears West
 4343 West Maple
 Wichita KS



Corvairs of the future from a 1960s perspective. This artwork depicting flying Corvairs was posted on the Facebook page of the South Coast CORSA Corvair Club.



Calendar

- February Meeting/Dinner
Spears West 6 pm. Feb. 10
- Cold Tuna Feb. 17
- March Meeting March 10
- H.O.T April 13-15
- April Meeting April 14
- Central & West April 20
- Road Trip April 28