

Heart of America Corvair Owners Association



V A I R C O R



Volume 51 Issue 12 **December 2015**

www.hacoa.org

November Meeting Highlights



The parking lot had nine Corvairs in it, six late models, two early ones and one FC. Kevin Koch, who may not have had time to get his Corvair, drove his new (and pretty cool) Jaguar XKR, his work car. Bill Bennett drove a used Mini Cooper that had some engine noise. Inside Paul and Jack's tables and chairs were being added to accommodate 55 members and guests. Who would have thought that the November meeting would be one our busiest?

Cliff Carlino opened the meeting calling on Kim Mellies to read the minutes. Treasurer Gary Jones reported that we have a healthy balance after a few minor expenditures. Ken Ragan gave his Tool Crib report, "I got 'em. Gimme a holler."

Don Wagner, membership chair, reported that although there were no new members, we had several visitors and returning members. Travis Bolton's parents, Mary Lou and Cary Bolton, came for dinner. Members Dick and Suzanne Berger have officially moved back to the area from Atlanta and are looking for a new home. They brought along Aaron Holstrom, son of Tom Holstrom a HACOIA member from the early years. Aaron is owner of Bob Hindson Racing that specializes in European car repair (Porsche, BMW and Audi) but in his shop you might find his Corvair up on the rack. Hopefully Aaron will find time to be a part of our club. The Mellies' clan brought along Albert and Sherry Hoelting. Albert thanked everyone who participated in the Halloween/Fall Fling at their backyard airport.

Scott Allison, Social Chair, reported on the Lee's Summit Veterans Parade. We had three cars this year, down from ten last year. (See page 7.) Scott referred everyone to the website and/or VairCor for upcoming social events.

The Holiday Party will be held at Don and Wilma Cory's featuring food from Joe's Kansas City Bar-B-Que. A collection will be taken to support Synergy House. The white elephant gift exchange will start after dinner. New this year will be an Ugly Holiday Sweater Contest, so come prepared.

Elections: The uncontested offices of Secretary and Board members were elected by acclamation. Linda Reece will be the new secretary in January and Board Members will be Dean Segó, Chuck Morris and Sherman Rutherford. Don Wagner explained that the offices of President, Vice-president and Treasurer were contested so a formal vote will be held via email. Winners will be announced prior to the beginning of the Holiday Party.

The Board of Directors mandated that a committee be formed to be our representatives for the Great Plains Corvair Round Ups. Chris Green and Larry Sherwood volunteered to take up the challenge.

A discussion was started concerning updating the club's by-laws. The laws were written pre-digital age and some of the rules are outdated. Changes suggested by the by-law committee must be voted on by the entire membership. The by-law committee will be the members present at the January meeting. If you have questions or concerns about the by-laws bring them up then.

Marcia Bolton presented the program. For the last few months she has been involved in the structural engineering of the huge 800 million dollar parking garage at Chicago's O'Hare Airport. The garage will have spaces for 2,300 cars, and will consolidate airport rental car facilities. Marcia explained the building process, which included working with big city politics. An interesting presentation to say the least.



HACOA Calendar at a Glance

Social Chair Scott Allison

Date	Event
Saturday December 5	HACOA Holiday Party , Don and Wilma Cory's house, Kansas City MO
Tuesday January 12	HACOA Monthly Meeting , Paul and Jacks, North Kansas City, MO
Tuesday February 9	HACOA Monthly Meeting , Paul and Jacks, North Kansas City, MO
Tuesday March 8	HACOA Monthly Meeting , Paul and Jacks, North Kansas City, MO
Tuesday April 12	HACOA Monthly Meeting , Paul and Jacks, North Kansas City, MO
Tuesday May 10	HACOA Monthly Meeting and Charity Auction , Paul and Jacks, North Kansas City, MO
Tuesday June 14	HACOA Annual Meeting in the Park , Sar-Ko-Par Park, Lenexa, KS
July 12-16 2016	2016 CORSA International Convention , Springfield, IL
September 23-25 2016	2016 Great Plains Corvair Round Up , Tulsa Renaissance Hotel and Convention Center

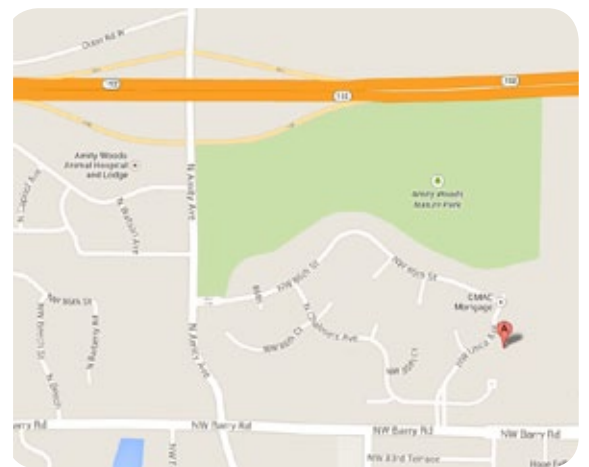
Check the online calendar for more information and additional events visit: WWW.HACOA.org

HACOA member recommended events

Date	Event
Saturday February 20, 2016	MCCA Cold Tuna , Terry Kalp's Shop, Valley Center, KS
Saturday April 2	Jerry and Donna Pentzer's Anniversary Gathering , Ozark, AR
June 4-5 2016	Tri-State Corvair Event , TBA
Saturday June 18	MCCA Juna Tuna , Terry Kalp's Shop, Valley Center, KS
Saturday October 15	MCCA Luna Tuna , Terry Kalp's Shop, Valley Center, KS



HACOA Holiday Party
 Don and Wilma Cory's House
 8621 N. Utica Ave.
 Kansas City, MO



Saturday, December 5
 Social Hour 6-7 pm
 Dinner 7pm

White Elephant Gift Exchange \$15 limit
 (Rules to be explained before exchange.)

Charity collection for Synergy House
 See page 5 for list of items.

www.synergyservices.org



✚ New this year: Ugly Holiday Sweater Contest ✚



The Preventive Maintenance Series

By Mike Dawson

Internally Regulated Alternator Brace

One of the reliability upgrades for all Corvair models is the changeover to an internally regulated alternator from either of the two original charging systems. Generator systems need the mount replaced and some re-wiring, while the 65-59 vehicles need only the wiring changed for a conversion. The internal regulator systems are rated at 63 amps (+) while the original alternators were 37 or 47 amps (with AC). Generators had low charging rates at idle and various maximum charging rates, along with reliability issues in both generator and regulator units.

Once the conversion is made, one additional item to address is the modification of a late alternator brace to fit the internally regulated unit, which has the mounting hole in a different location. Many alternators currently in service do not have a brace at all and do not experience problems like a generator would with a loose or missing rear mount; generators would break the aluminum housing regularly if that occurred. Modifying an original late model alternator brace to fit either early or late conversions is not difficult and only requires hand tools. The following is just my approach; others may have an equal or better solution.

Parts needed for a brace:

- An original late alternator brace.
- A 1/2 inch spacer that fits over a 5/16 inch bolt – the original spacer on a generator mount is a perfect fit or you can get a spacer at Ace Hardware stores; cut to 1/2 inch.



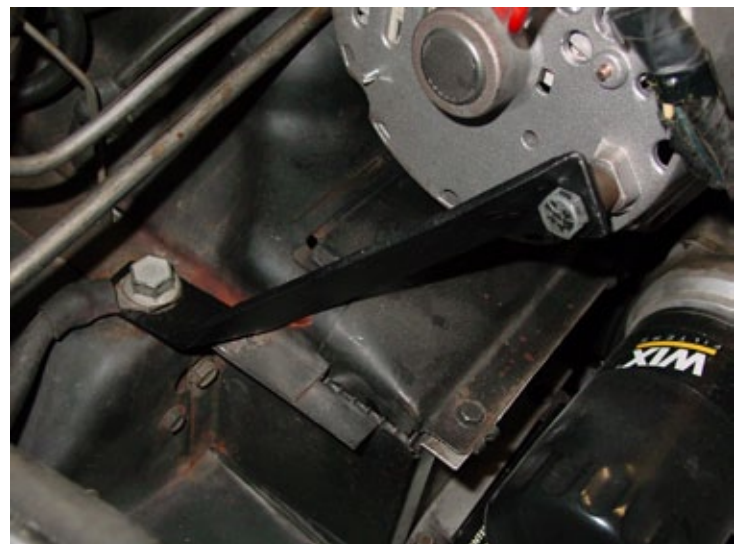
(Above) Parts ready for use. Note the notch to clear the top shroud.



- A 1 1/4 x 5/16 inch coarse thread bolt and lock washer.

Procedure:

- Cut off the alternator end of the brace just below the original 5/16 inch hole.
- Drill an 11/32 inch replacement hole in the flat area just below the cut-off.
- Clamp the head mounting end of the brace tightly in a vice at the bend line and using a heavy hammer or vice grips add additional angle to the bend. You may have to adjust the angle after you bolt it to the head to line up the brace hole with the alternator hole. You could also just bolt the brace firmly to the head and using a heavy hammer, gently bend the bracket toward the rear until the holes line up.
- For some installations you may have to cut out a small relief in the brace to clear the top shroud.



(Above) Completed installation. Note the position of the two-wire connector and the bracket-to-alternator stud.

(Left) Comparison of original and finished brace.

Note: The two-wire connector on the alternator must be on top (in the 12 o'clock position) and the stud on the back of the alternator at about 4 o'clock, if not remove the four bolts attaching the end frame to the body. Use a small screwdriver to pry the field winding away from the frame a small amount until you can rotate the frame around so the connector is on the top. Do this carefully and you will not disturb the lineup of the internal parts.

Keeping it Cozy with Infrared

By Cliff Carlino

With the colder weather here and winter just a few weeks away you might be wishing that your shop were heated. I installed an infrared radiant heater in my shop in 2013. The company I chose is Superior Radiant. They sell a wide variety of infrared radiant heaters for many different applications. They are a Canadian company, so I figured that they must know a thing or two about making a good heater! I couldn't be happier with the results. If you are not quite sure about this type of heater I will explain how it works.

Before any type of heat is considered, however, make sure that the space to be heated is well insulated; otherwise you will be losing your heat along with the money spent on that heat right through the walls. Infrared radiant heat does not heat the air in a room; it heats up the *objects* in a room. It is compared to the heat that comes from the Sun. Just like when you feel the sunshine on your face on a sunny day; you feel the infrared heat from the heater the same way. This type of heat is also efficient. To heat my 30 x 65 foot shop with 10-foot high walls I only have a 70,000 Btu heater.

The heat box is approximately 12 inches x 10 inches x 8 inches. Attached to this is 40 feet of 6-inch stainless steel pipe with a deflector. The heat box has a small fan in it that blows heated air through the pipe. The heated pipe is what gives off the radiant heat. The deflector above the pipe aids in directing the heat radiating from the pipe down and to the sides. The heat can be felt 7 feet to each side of the pipe. Normally I keep my thermostat in the shop set to 40 degrees when I am not out there working. This keeps the temperature above freezing no matter how cold it gets outside. When I am working in the shop I usually set it at the low to mid 50s.

I took some temperature measurements during the ice storm a few days ago. Here is what I found. With my thermostat set at 40 degrees the outside air temp was 32 degrees, the inside shop temp was 43 degrees and the concrete floor temp was also 43 degrees. This shows what good insulation will do. The warmth of the ground is kept inside the building, providing an 11-degree increase over outside air temp. At this point the heater will not need to run since it is set to 40 degrees, which makes it even more efficient.



For my test I placed two metal objects (car doors) on the ground below the heater pipe. One of them 10 feet from the heat box, the second one 25 feet from the heat box. I pushed the thermostat up to 50 degrees and had my laser thermometer ready to take temperature readings. After just three minutes the pipe at the heat box was 640 degrees and the pipe 40 feet from the heat box was 98 degrees while the object on the floor at 10 feet was 83 degrees and the object at 25 feet was 57 degrees. This was only three minutes after turning on the heat!

Twenty minutes after turning on the heat the temperatures in the pipe had stabilized at 760 degrees at the heat box and 200 degrees 40 feet from the heat box. The test object at 10 feet was 120 degrees while the object at 25 feet was 80 degrees. The floor temperature 10 feet from the heat box was 66 degrees. The shop temperature had increased by 7 degrees to 50 degrees.

What does all this mean? The heat is absorbed and retained by the objects in the room, and it is this absorbed heat that helps to heat the entire area. Another plus is if a door were opened you would not lose all the heat out the door because, unlike a forced air system, the air is not what is heated. One advantage of this system is that it is compact. The heat box takes up a very small space and it can be installed with just a 3" clearance above the pipe/deflector. Another advantage is that it is quiet since there is no big fan distributing air.

Of course there are disadvantages too. There is a lot of heat generated, as I have shown above, so the first 20' of pipe must have nothing flammable or objects damaged by high heat 50 inches directly below the pipe. This was not a problem for my installation since the logical layout in my shop was right down the middle with cars to each side of the pipe.

If you are thinking about adding heat to your shop or just want to see how the infrared heat works, let me know and you can stop by my shop and I will show you how it works.



The heater consists of a heat box (about the size of a twelve-pack cooler) and a 40' stainless steel hooded tube that runs down the center of the shop. This photo was taken after the Shatto tour.



Field Trip Passes (Zoo Passes, Movie, Bowling, Miniature Golf, Etc.)

Gift Cards (restaurants, grocery stores, Target, Wal-Mart, Quik Trip, AMC theater)

Deodorant**

Perfume/Cologne

Body Wash

Shampoo & Conditioner

Make-Up

Jewelry

Lotion & Sunscreen

Chap Stick

Brushes & Combs

Hair Accessories

Ethnic Hair Care Products**

Hair dryers

Socks**

Undergarments (panties, bras, boxers, t-shirts)**

Hats & Gloves

Flip Flops

Backpacks

Dish Towels

Washcloths

Bath Towels

Twin Sheets

Blankets

Pillows

Shower curtains

Liquid Laundry Detergent (adult & baby)

Dishwasher & Dish Detergent

Bottled Water

Gatorade

Individual Snack Foods

Cereal

Bicycles & Helmets (for transportation)

Basketballs, volleyballs, tennis racquets

Outdoor toys/sports equipment

Gardening Tools & gloves

Arts & Crafts Supplies

Play-Doh**

Office Supplies

Full & pocket-size planners for women**

Journals for youth

Dry Erase Markers, Sharpies, Black Pens

Board Games

DVDs (rated PG-13 or under)

Mp3 players & headphones

Stuffed Animals

Lice MD Kits

Batteries

Plug Covers (to baby-proof outlets)

Latex Gloves-Size Medium & Large

**Items of greatest needs for our clients and programs

Our Story

At Synergy we envision a world without family violence, abuse or neglect.

Synergy Services, Inc. began in 1970 as Synergy House, the only shelter for runaway and homeless youth in western Missouri. Through the years, a series of both serendipitous and strategic mergers expanded the organization's reach to include young children and women victimized by abuse.

Today, Synergy provides a full continuum of care to assist individuals and families with immediate respite from violence, and services which empower clients to find and choose good options for future safety and success. In addition to our work to treat the effects of violence, we provide supportive services to families in crisis in an effort to prevent violence. Additionally, we focus on community education and social change in an effort to build a safer and more humane society. Our fully integrated programs include crisis hotlines, emergency shelter, transitional housing, therapeutic services, advocacy, mentoring and violence prevention programs throughout Greater Kansas City.

Synergy's clients represent a broad cross-section of the population spanning gender, age, race and six county lines in Kansas and Missouri. Most often, clients have annual family incomes of less than \$25,000, making it difficult to access the variety of services they need through traditional means. We provide these services, which are so critical to the well-being of the family and community, to anyone that needs them regardless of ability to pay.

The Tool Crib

club tools for rent

Tool	Deposit	Monthly rental fee
Harmonic balancer puller	\$3.00	\$1.00
Ramps, auto	\$4.00	\$1.00
Torque wrenches		
½ inch drive 20-150 ft/lb	\$15.00	\$2.00
¾ inch drive 100-1000 in/lb	\$15.00	\$2.00
Floor jacks and stands	\$25.00	\$3.50
Ring groove cleaner	\$3.00	\$1.00
Dwell/tach meter	\$5.00	\$1.00
Greaser: Fan and idler bearing	\$5.00	\$1.00
Ken's advice	\$.02	Grain of salt
Hubs: Rear (towing LM PowerGlide)	\$5.00	\$1.00
Pushrod tube extractor	\$10.00	\$2.00

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E-mail: kenrragan@gmail.net

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For Sale: Reproduced end plates for the 12 and 8 plate oil cooler. These are the two pieces of sheet metal that help keep all the hot air from the oil cooler moving out the bottom instead of back in to the engine compartment. Many are missing because folks could not figure out how to install them or forgot them when they had the cooler off. \$10.00 each.



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The President's Corner By Cliff Carlino

As I write this month's message I have a hard time believing that this is my 24th and last one.

As I think about my time as President, it's been a fun two years. The Branson Round Up/Mini-Convention has to be at the top of the list of HACOA's accomplishments. In addition, the never ending club activities and social events that kept everyone as busy as they chose to be all adds up to a healthy club. It's great to be a part of such an energetic and diverse group.

In many ways, HACOA is just like CORSA on a smaller scale. We have folks that are racers, show car owners and cruisers. We also have owners of modified cars and daily drivers, even the beloved beaters that may not be the prettiest car, but are just as fun if not more fun than the better looking ones.

I hope the future brings as much fun, or even more fun than the last couple of years, and I look forward to being a part of it.

I hope everyone had an enjoyable Thanksgiving, and I wish each one of you Happy Holidays.
Cliff



Lee's Summit Veteran's Day Parade 2015



Scott Allison drove his green '67 four-door, followed by Gary Moore with his father-in-law in the red '61 Rampside. Kat King and her friend Kay followed in Kit, Kat's '64 Monza coupe. The crowd was pretty sparse this year, seems the word hadn't gotten out.

HACOA Officers

President

Cliff Carlino (second term)

Vice-President

Mike Dawson (first term)

Treasurer

Gary Jones (first term)

Secretary

Kim Mellies (second term)

Board of Directors

Don Cory (second term)

Chuck Morris (first term)

Dean Segó (first term)

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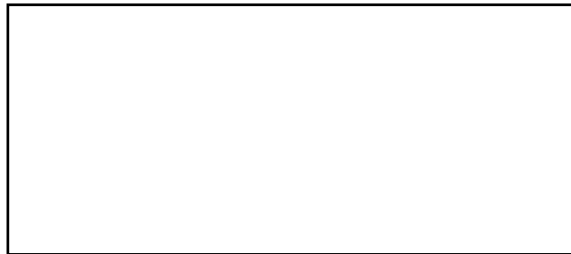
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Happy New Year! It's Dues Renewal Time



**Karl Cozad's V8
powered 1966 Corsa in
front of Paul and Jack's
in North Kansas City**

VairCor is the official publication of the Heart of America Corvair Owners Association, the oldest incorporated, continuously active single marquee Corvair club and Chapter 640 of the Corvair Society of America. The HACOA membership fee is \$15.00 annually, payable January 1. CORSA membership is required. Heart of America Corvair Owners Association monthly meetings are held the second Tuesday of each month (except June and December) at 7:30 pm at Paul and Jack's Restaurant, 1808 Clay Street, North Kansas City, MO 64116. Social time begins at 7:00. The June meeting is in Sar-Ko-Par Trails Park and the December meeting is our Holiday Party.



VAIRCOR
 Winner of the 2009 Tony Fiore
 Memorial Chapter Newsletter Award
 Heart of America Corvair Owners Association
 1601 Oakland Avenue
 Belton, Mo 64012