

<u>Newsletter</u>

Volume 8 issue 4

The Front End

Fourth Quarter 2011

Chairman's Message

Greetings to all...

Page 1 ====

WOW has this year gone by quickly. And what a great year it was. The National Convention was my first and what a great time. Congratulations to Terry and Kirk who both earned top flight awards. Rumors have it that some of our members may have consumed a little too much alcohol at the banquet but I find that hard to believe.

In July we had a great tour of the facilities at Merschon's World of Cars in Springfield Ohio. Beautiful cars and the folks took us on a tour and provided lunch. If you did not attend you may want to stop by and check the place out for yourself.

August brought us the chapter picnic at Dino's place in Apple Valley. Special thanks to Dino and his wife for a relaxing afternoon with good friends, great food and a wonderful boat ride to finish off the day.

Be sure to mark October 15th on your calendar for our Judging School at Richard Crarys'. Also November 5th for the Judging School and November 20th for the Corvette & GM Swap Meet. The Judging School will have a morning and afternoon session with a free lunch and is worth 2 judging points. John Hinckley is the featured speaker in the morning session and Kimball Midwest representatives will speak in the afternoon session.

John gave his presentation at the national convention and everyone who attended thought it was fantastic. Not only that, lunch is free. This will be our second annual Swap Meet and we are hoping for an even better turn out this year. Please come out and show your support. What else is there to do the week before Thanksgiving?

Speaking of supporting our sister clubs don't forget about the Judging Seminar in

What's Inside:

	Page
Chairman's Message	1
In Memoriam – Lou Miller	2
Tech Article – C-2 Headlight Rebuild	d 2
Tech Article – Yesterdays and	
Today's Motor Oil	4
Ordering HoO Chapter Apparel	6
From the Membership Chairman	7
From the Newsletter Editor	7
From the Judging Co-Chairman	7
Board Meeting Minutes	8
For Sale by Members	9
Corvette Event Calendar	12
HoO Officers	13
Coughlin Chevrolet Ad	15

Cincinnati at Columbia Chevrolet on Saturday October 8th and the Queen City NCRS Annual Chapter Meet October 22nd also at Columbia Chevrolet.

On a personal note I am looking at having an aftermarket knee installed sometime between now and the end of the year. I am focusing on function and giving up all originality points. A wish for good luck and a prayer would be appreciated.

If anyone is interested in a leadership position on the Board let us know. We need new leadership with fresh ideas to keep up the momentum.

> See you soon Perry



Volume 8 issue 4

Page 2 ======

<u>Newsletter</u> The Front End

Fourth Quarter 2011

In Memoriam – Lou Miller



PAULDING COUNTY, Ohio - Louis B. Miller, 57, of Paulding County, died at 8:25 a.m. Wednesday, Sept. 21, 2011, at Lutheran Hospital, Ft. Wayne, Ind.

He was born July 30, 1954, in Paulding County, to the late Evelyn M. "Sis" (Ashbaugh) Miller and Berlin L. Miller. His wife, Cheryll (Foust) Miller, survives of Paulding County. The couple was married Jan. 12, 1974.

Survivors include his children: Amy (Eric) Hohenberger of Walbridge, Ohio, and Brett (Sarah Flynn) Miller of Paulding, Ohio.

He had worked 31 years at Johns-Mansville Plant 8 in Defiance, Ohio, as a shipping supervisor. He was a 1972 graduate of Wayne Trace High School, a member of the National Corvette Restoration Society of Miami Valley and Heart of Ohio and a Corvette judge at many Corvette car shows.

A private family graveside service will be held. Burial will be held in Middle Creek Cemetery, Grover Hill, Ohio. Friends may call from 4-8 p.m. Friday, Sept. 23, 2011, at the Alspach-Gearhart Funeral Home & Crematory in Van Wert, Ohio. In lieu of flowers, memorials may be directed to the family for medical expenses: Cheryl Miller, 14482 Rd 171, Defiance, Ohio 43512

Mid Year Headlight Restoration Guide (Part 3)

Prepared by: Dale Maris (48325)

Technical Assistance by: Steve Barrett (21558) and Joe Eyl (8722)

Clean up and restoration of headlight components

- 1. The motor cases, mounting brackets and support straps, etc. were bead blasted
- 2. Retaining cups and most bolts were Cadmium plated (DM Plating)
- 3. Support rods and motor support brackets were painted.
- 4. Motor cases were painted natural steel color to protect (may lose judging points)
- 5. Replacement parts ordered from Paragon Corvette Reproductions in Michigan
- 6. New wiring harnesses from Eagle Wire Products in Springfield, OH

Sample of cleaned up parts.





<u>Newsletter</u> The Front End

Volume 8 issue 4

Fourth Quarter 2011

Purchased Parts

Parts Purchased from Paragon



Description	Part number	Quantity	Unit Amount	Total Amount	Discount cost
Pod Spring	2640K	4	\$2.00	\$8.00	\$6.80
Support Bracket Grommet	4717K	1	\$7.00	\$7.00	\$6.30
motor wheel retainers	6627K	1	\$2.00	\$2.00	\$1.70
Drive gear nylon washer	12211	2	\$4.00	\$8.00	\$7.20
spaces washer	12210K	2	\$4.00	\$8.00	\$7.20
micro switch	256	2	\$10.00	\$20.00	\$18.00
Headlamp repair seal kit	1175-RBK	1	\$19.00	\$19.00	\$16.15
Y Stop Arm Kit	3520K	1	\$34.00	\$34.00	\$30.60
Motor pivot shaft bushing	1967	1	\$4.00	\$4.00	\$3.40
Headlamp to lower support bolt kit	1790K-2	1	\$3.00	\$3.00	\$2.55
Bezel Screws	6693K	1	\$4.00	\$4.00	\$3.40
Headlamp insulator kit	1179K	1	\$6.00	\$6.00	\$5.40
Headlamp plastic support kit	7212K	2	\$13.00	\$26.00	\$22.10
plug kit	12147K	1	\$2.00	\$2.00	\$1.70
Headlamp motor gear	1555	2	\$26.00	\$52.00	\$44.20
Subtotal				\$203.00	\$176.70



Heart of Ohio Chapter

<u>Newsletter</u> The Front End

Fourth Quarter 2011

Page 4 =======

New Parts

Wiring harnesses from Eagle Wire Products, Springfield, OH (937) 206-4321

Front Light Harness, EPHL6465

Headlight Bucket Harness Extension, EPHL6367EX

Total without discount

Cadmium Plating – DM Plating, Dayton, OH (937) 228-2963

Small shop that does work for the Air Force Base in Dayton

Issues with Some of the Parts

Paragon

(part number, description, issue)

1967 - Motor pivot shaft bushing – wrong color for 1964, reused old bushings

12147K - Headlight Housing Plug, wrong color (black), cleaned and reused transparent white

6627K – Motor Hand Wheel Retainer, not configured as original, reused original

3520K - Y Stop Arm Bolts, not configured as original, plated and reused original

1175-RBK – Headlight rebuild kit- felt washers had wrong diameter hole and did not compress sufficiently. Held up rotation of headlight housing.

Eagle Wiring

Headlight Housing extension harness, incorrect color for the low beam wire. It should be black with light green strip, it was green. (Per Spencer

Rose, late model '64s and '65's have light green wire. He can build a harness with the black/light green strip if requested.)

\$155.00

Front light wiring harness. The old harness in car had green plug for headlight motor, new harness has black plug. (Per Spencer Rose, the only manufacturer, Packard, black is the only color they now produce. No one manufacturers any other colors)

Editors Note – Because of the length of this article I had to break it up into four parts: Removing Headlight Motors, Disassembly, Cleanup and Restoration and Reassembly and Reinstallation. The final section will appear in January's newsletter..

Yesterday's & Today's Motor Oil By Jeff Bernhardt

Yesterday's motor oil had among other additives, Zinc as an additive to protect valve train components of older design engines. Preservatives to keep oil on bare metal when engine is infrequently used. Unfortunately, this has changed. Newer engines are made from high grade metals that do not require such additives. Hence, today's newer motor oil contains no such additives.

Jeff Bernhardt has provided a number of items below to help educate us gearheads driving these older cars relative to the kind of oil we should and should not be using:

Zinc dialkyldithiophos-phate, or ZDDP, is the main anti-wear ingredient of yesterday's motor oil that has sadly taken a hiatus on the EPA bus to obscurity.



Heart of Ohio Chapter

<u>Newsletter</u> The Front End

Fourth Quarter 2011

What this stuff used to do was this: the zinc in the ZDDP would bond to the internal metal of our engines and form a protective "zinc plating" to prevent metal-to-metal wear.

It's now gone because the higher powers said that it's possible that ZDDP could be damaging the catalytic converters on today's cars – catalytic converters that they want to be warranted for 100,000 miles.

There have been many, many testaments of car enthusiasts wiping out a brand -new cam in a matter of 10 minutes. Camshaft break-in cards are now instructing users to first remove the inner valve springs before the cam break-in procedure, or cam failure could result - and the warranty will be voided. It's this initial running of a fresh cam that's so critical to the life of the cam that every precaution must be strictly adhered to.

It is true that there are lots of engines running around out there with flat- tappet camshafts installed in the '60's, 70's and 80's, and are having their oil changed once a year with today's API motor oils - with no appreciable problems. These 'seasoned' cams should be fine for a while, but how long is that?

Rotella diesel oil - forget it unless it has the specification C I 4, which has been discontinued. If it's the new C J 4, it won't do you any good. It too has fallen victim to the EPA bus.

General Motors used to sell an engine oil supplement under part number #1052367, but the part number was changed to an AC Delco number 10-106 with the wording that it was not recommended as an engine oil supplement, but an assembly lube (I'm thinking the lawyers were involved here) before it was discontinued. You might find some on a dealer's shelf somewhere where the inventory doesn't move much, but it's kind of like the VC-1810 vacuum advance cans that worked so great and started pulling at about 5" H.G; the word got out that they were no longer being made and in short supply, and Corvette owners stockpiled their own garages with them. Try to find one now.

Any API (American Petroleum Industry) approved oil will be devoid of this lubricant that's been with us for all of these years, so what do we do? Look out-side the box. There are oil manufactures that don't belong to the club, and aren't looking for an endorsement from the API, and don't care.

Pennzoil says their GT racing oil is the way to go with 2000 ppm Zn in their blend, but I'm not sure there are any detergents in the stuff. Redline racing oil states that theirs is formulated for racing only, with very low amounts of detergent, and they don't even recommend it for street use. Joe Gibbs endorses his own brand of racing oil with a healthy dose of ZDDP. The racers don't want detergent in their oil as an added protection against detonation, but we need it in our street cars that will go 3000 miles (or 1 year) before being drained.

The good stuff along with detergent includes Motor- head Classic "Hi-Z" motor oil, an oil formulated with the correct amount of zinc and phosphorous by a pair of "motorhead" car enthusiasts seeking the answer to today's oil problem. Sales are brisk at \$14.50 per gallon for their one-viscosity, 5w40, which equates to \$3.625 a quart, and can be had by emailing Sam Nicolosi at thinkzinc@motorheadoil.com or by calling their shop at (937) 254-2673. And they're right here in town.

Brad Penn Grade 1 Racing oil has the ZDDP and the detergents, and comes in a variety of weights such as 0w30, 10w30, 20w50 and higher. They even have a 30w break-in oil. In case you haven't heard of Brad Penn, (www.bradpennracing.com) it's a green motor oil that's very reminiscent of the old Kendall GT motor oil that a lot of us used in



<u>Newsletter</u> The Front End

Fourth Quarter 2011

Volume 8 issue 4

the gold ole' days. In fact, it is the same oil. In 1997 the American Refining Group purchased the Kendall/Amalie refinery located in Bradford, Pa. The office is located on N. Kendall Ave.

Most of the major cam-shaft manufacturers have a supplement to add to your oil during break-in, like the Comp cams break-in oil additive in 12 ounce bottles (PN 159) for about \$115 a case. Comp Cams says it's a "special blend of extreme pressure additives no longer available in off-theshelf motor oils." Add a bottle to each of your oil changes and call it an extended break-in period.

The guys at World of Motor Works (www.worldofmotorworks.com) a group of Buick Grand National enthusiasts are selling a 4oz. bottle of ZDDP additive for 10 bucks. Let's see, 4 oz. for 10 bucks or 12 oz. of Comp Cams additive for

9.50. I'll have to get back to you.

Ninety percent of the engines we're doing in the shop are total roller valve train with totally stock outward appearance, so any API oil can be used. However, we're still putting additives in the break-in oil, and additives in the engines we service with new crankcase oil.

If you must be faithful to the original 30-30 grind and solid flat-tappet lifters in your 365 horse small block, what else can you do? I spoke with David McCarver at Comp Cams, and he told me you can have your new Comp Cam nitrided - at their facility. It's an additional \$100 to the price of the cam, but how much would it cost you to tear down your fresh engine and replace your brand new wiped out cam because of poor lubrication. I would do the nitriding, and the good oil as an insurance policy.

Jeff

(Article used with Permission of Jeff Bernhardt, owner of **Restoration Station**, Springboro, Ohio, <u>www.restoration-station.com</u>.)

Heart of Ohio Chapter Apparel By Terry Buchanan

There are times after joining an organization such as the NCRS, that members like to identify their membership by purchasing clothing and accessories that have the Chapter name and logo. Our Chapter now has that opportunity through Lands' End Business Outfitters. Heart of Ohio Chapter clothing and accessories can be ordered either on-line or by phone. To order on line go to the Apparel page of our Chapter website.

www.ncrs.org/hoo/apparel.htm



Click on **Chapter Store** and you will be taken to the Lands' End Home page. You will need to click on **Men or Women, Case, Bags or Totes, or Gifts & Accessories**. From there you will see all the different choices, colors and sizes for that clothing item or accessory.



Heart of Ohio Chapter

<u>Newsletter</u> The Front End

Fourth Quarter 2011



After you have made your selections, you will be directed to logo application. You will need to select the Heart of Ohio logo which is \$8.50 per item. As you continue on to the last sections you will have 4 steps in the check-out process: 1. Shipping Information, 2. Shopping Bag Review, 3. Billing Information and 4. Order Confirmation.

Depending on the time of year your order should be shipped in two weeks or less.

To order by phone there is a toll free number to call that is dedicated to logo purchases. The number is **800-338-2000**. Refer to the Heart of Ohio customer number 4052776 and the operator will take your order or assist you with you purchase.

We hope to see more Heart of Ohio Chapter clothing and accessories around the area in the near future.

From the Membership Chairman

We had no new members join the Heart of Ohio during the third quarter of this year. Thus our membership number remains unchanged at 48 members.

Dues for 2012 will be payable in January. I will be emailing everybody with a notice January 1st. With that notice will be an HoO Application Form for 2012. Please fill it out and return it to me with your check. If your information is unchanged from 2011 you don't need to give it to me again. However, please put at least your name and member number on the form for my records.

Please confirm also that your membership with National is current because they require that all Chapter Members be paid-up members of NCRS.

Herb Harlton

From the Newsletter Editor

In the First Quarter Newsletter I started a new feature article called **Member's Projects**. Given the size and diversity of our club there are always member projects, both big and small, going-on. This is what the NCRS is all about!

If you have a project that you are working on I would be glad to tell the other members about it. All you have to do is email me some photos and a brief write up. I will take it from there.

Herb Harlton

Herb@Harltons.com

From the Judging Co-Chairman

Summer 2011 Meet Musings

The big event of the summer was certainly the National NCRS meet held in Novi Michigan this past July 18-22. Our chapter was well represented by individuals, cars, and awards. Kirk McHugh (67 Vette) and Terry Buchanan (68 Vette) both achieved Top Flight ribbons. Larry Murphy received the Hill Mark of Excellence Award for his 93 Vette. Three of our members received their black Master Judge hats: Herb Harlton, Terry Buchanan, and Mike Treece. Our chapter was awarded a Top Flight Chapter 2010 banner. Richard Lomax had his 95 Vette there for a



<u>Newsletter</u> The Front End

Fourth Quarter 2011

<u>Volume 8 issue 4</u>
Page 8 ========

Sportsman Award. And several of our members had roles as Judges or Observer Judges. Lots of fun was had by all; in particular, several members flew around the GM Proving Grounds on Saturday.

Many of our members have also been busy at other events this summer. Chapter meets that we have been involved with include those hosted by the Indiana, Lake Erie, Miami Valley, and Pittsburgh chapters. Various Tech Sessions have been held in local chapters that our members have attended.

On October 15th we will be having a Judging School at Richard Crary's. And again on November 5, we will be holding a second Judging School in Columbus (worth 2 judging points). Also, don't forget about the Queen City chapter meet coming up on October 22. Some of us will also be at the Texas Regional October 27-29 as well as at the Florida Regional next January 25-28.

Plans are already underway for our 2012 Chapter meet. Although the date is still uncertain as we go to press, we expect it to be held at Coughlin Chevrolet in Pataskala once again. If you have any suggestions or want to help out with something, please shoot me an email (lomax.24@osu.edu). Hope to see you at a future event and keep the glassy side up.

Richard Lomax, Judging Co-Chair

Board Meeting Minutes – Sept. 24th

Terry Buchanan – HoO Secretary

The Board meeting was called to order by Chairman Perry Yasher on Saturday, September 24, 2011, 10:35 a.m. at Performance Auto Spa. Present at the meeting were Perry Yasher, Randy Early, Herb Harlton, Lou Zuniga, Richard Lomax and Terry Buchanan.

Perry noted the passing of member Lou Miller and made a motion to make a Chapter donation to Lou's family in the amount of \$250.00 to defray medical costs. The motion passed unanimously. If members would like to make individual contributions to the family they can be sent to Cheryl Miller, 14482 Rd 171, Defiance, Ohio 43512.

HoO Member Richard Crary has volunteered to conduct a judging school at his garage on his restoration of a '67 Corvette. The date is a Saturday, October 15, 2011 at 10:00 a.m. Details will be on the Chapter website with a meeting location for a caravan up to his home in Bucyrus, Ohio.

A judging school is in the planning stages on the topic of the Standard Deduction Sheet and changes made to it recently. Plans are now to have it in early 2012.

November 5, 2011 is the date of our Technical discussion with John Hinckley in the morning and Fastener Systems Technology in the afternoon. Perry will take care of reserving a hotel room for John Hinckley. The Chapter will pay for his expenses for the presentation. Mike Treece will be in contact with Rotollo's as a possible food vendor for the event. Bud's Chevrolet, Tom Hendricks, is covering the cost of the food.

November 20th, 2011 is the Chapter's annual Corvette and GM Swap Meet at Coughlin Chevrolet in Pataskala, Ohio. A check list of needs were discussed. Advertising in the Columbus paper - Lou, Dayton Paper- Terry. Email to Chapter member volunteers - Terry. There is also a need for vendors to sell parts. For information on the Swap Meet, go to the events page on our Chapter website.



<u>Newsletter</u> The Front End

Fourth Quarter 2011

Volume 8 issue 4

The Holiday Party date was selected as Saturday, January 14, 2012. More information will be sent to the membership as the planning continues.

The Chapter will be conducting elections at the end of 2011. The positions of newsletter editor and membership chair are available. Lou will be sending out an email to the membership on those positions.

The board selected Sunday, April 29, 2012 as the date of our annual Chapter Judging Meet. The fee structure was examined and refined. Sportsman entries will have an option of no ribbon for \$5.00 and with a ribbon for \$12.00 Richard is in charge of the registration form and contacting Terry Goodin at Coughlin. Terry Buchanan will update the Chapter website with the new information and send the registration form to the Driveline for publication.

The Chapter purchased Heart of Ohio logo pins. Herb will be distributing the pins to the membership.

The board discussed the annual dues fee and decided to keep Chapter dues at the current \$20.00 level.

For Sale by Members

1957 Chevy 210 DelRay Coupe - Frame-up restoration, original Blue Flame 6cyl.-3sp transmission on the column. 87,000 original miles, tropical turquoise color, original interior except for new headliner summer of 2010. New Coker wide white radials, new rear springs, much new chrome, and more. This '57 is fun to drive and draws much attention at shows and cruise-ins. Price \$24,900

Dave Kapes - (740) 397-9740 - Apple Valley (Mount Vernon, OH area)









Heart of Ohio Chapter

<u>Newsletter</u> The Front End

Fourth Quarter 2011



1970 Corvette Convertible

The car is highly optioned in Cortez silver lacquer paint code 986, with black leather deluxe custom interior trim with cut pile carpet wood grain accents, leather seating and custom door panels 403 code. It has the rare convertible shoulder belt option A85, two tops C07, both are in amazing unrestored condition, the soft top is black and the hard top is silver. The car is meant for cruising with a M40 automatic transmission, C60 air conditioning blowing ice cold, N40 power steering and J 50 power brakes, tinted glass, and has the ZQ3 base engine, 350 cubic inch 300 horsepower highly desired engine for its drivability, torque, and manners. The car has the U69 AM/FM radio as well as the UA6 alarm system. The car came with PU9 raised white letter tires on original dated rally wheels and original trim rings and top hats, and the tilt telescopic steering wheel N37. The car has a 3:08 rear end and cruises all day long at 65mph comfortably

Price - \$34,900, Contact: Dino Lanno 614 374 6070



2003 Z-06 Corvette

Color: Electron Blue, Miles: 30,500

Price: \$26,500 Contact: Norm Yager- Columbus, Ohio, 440-478-4375



Goodyear GT radials (raised outline, white letters) Tires

Description: P255/60R15 Original equipment on 1978 Indy Pace Car, or an option RPO QBS, and maybe 1979.

Price Open for Offers, Contact Terry Buchanan at buchanant@sbcglobal.net



<u>Newsletter</u>

Volume 8 issue 4

The Front End

Fourth Quarter 2011

Goodyear OEM GSC Tires for C4

Complete staggered set directional tires,

Price: Open for Offers. Contact Randy: Early at 614-205 3833 or rde1967427@yahoo.com

Got Something To Sell?

Why not run a **FREE** Ad in our Newsletter. Send you information to;

Herb Harlton

614-847-0774

Herb@Harltons.com



Volume 8 issue 4

<u>Newsletter</u> The Front End

Fourth Quarter 2011

Calendar Of Corvette Events

Dates in Bold are Heart of Ohio Chapter Events Note –Some of 2011 Events are still in the early planning stages but mark your calendars anyway. We will keep you posted on any changes via the **Events Page** on our **Website**

Dates underlined are other NCRS chapter events

Dates in plain type are other Corvette related events

October 2011

October 8 th	<u>Queen City Judging School, Basic Judging, Columbia Chevrolet, Montgomery, Ohio</u>
October 15 th	Heart of Ohio Judging School, Frame-Off Restorations, Richard Crary's Garage, Bucyrus, Ohio
October 16 th	Restoration Station, All Corvette Road Tour, Springboro, Ohio
October 22 nd	Queen City Chapter Judging Meet, Columbia Chevrolet, Montgomery, Ohio

November 2011

November 5 th	Heart of Ohio, Tech Session and Judging School (2 sessions), Highlights for Children Building, Columbus, Pataskala, Ohio
November 20 th	Heart of Ohio Corvette and Chevy Swap Meet, Coughlin Chevrolet, Pataskala, Ohio

December 2011

January 2012

January 14th HoO Holiday Party - Date Tentative

January 25-28th 2012 Winter Regional, Kissimmee, FL (Old Town)



<u>Newsletter</u>

Volume 8 issue 4

Page 13 =====

The Front End

Fourth Quarter 2011

HEART OF OHIO CHAPTER OFFICERS

CHAIRMAN:	Perry Yasher 740-927-0034
	pcyasher@columbus.rr.com
	O Law Zuning
VICE CHAIRMAN:	G. Lou Zuniga
	614-825-0478
	gzuniga@columbus.rr.com
SECRETARY:	Terry Buchanan
	937- 429-3434
	buchanant@sbcglobal.net
TREASURER:	Randy Early
	614-205-3833
	rde1967427@yahoo.com
JUDGING CO-CHAIRS:	Roger Zrimsek
	412-655-8946
	rz.redvet@verizon.net
	Richard Lomax
	614-793-0627
	lomax.24@osu.edu
	1011127-9-030.000
MEMBERSHIP CHAIRMAN:	Herb Harlton
	614-847-0774
	herb@harltons.com
NEWSLETTER EDITOR:	Herb Harlton
NEWSLETTER EDITOR:	
	614-847-0774
	herb@harltons.com
WEBMASTER:	Terry Buchanan



<u>Newsletter</u>

Volume 8 issue 4

The Front End

Fourth Quarter 2011

> 937- 429-3434 buchanant@sbcglobal.net

EVENTS CHAIRMAN:

Mike Treece (419) 576-7606 <u>mltreece@yahoo.com</u>

DIRECTOR AT LARGE:

James Salvino 614-766-0077 jsalvino@columbus.rr.com





WWW.COUGHLINCARS.COM

www.CoughlinCars.com

