



# Paw Prints

VOLUME 7 ISSUE 12



## SPECIAL POINTS OF INTEREST:

- Fall Cruise
- Racing with a 12 Bolt Rear

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## Letter from the Editor - Kevin Russo

Merry Christmas! I write this month's letter to you on the day before Thanksgiving but by the time it reaches you, Thanksgiving will be over and the Christmas Season has begun!

I hope each and every one of you had a wonderful Thanksgiving and I wish each of you a very Merry Christmas!

There is still a lot going on with our club and I hope you will commit to getting involved. Normally, we do not have a club meeting in December. However, this year we WILL have a December club meeting as we ramp up for the Summit Racing Hot Rod and Custom Car Show at the Columbus Convention Center downtown.

We will have Rod Rainey attending the meeting so we can put final work schedule and plans together.

We will also have space for our club tables and a number of club cars. I am working with members who want to display their cars at our areas. Further, we've been asked to supply 4 GTOs to be displayed at the Summit Racing area. Please send me an email (krusso\_sp@hotmail.com) if you would like to display your car. I have several other members who have volunteered their enclosed trailers to help transport your car should you need help. If you have a trailer and want to help us there too, please also send me an email.

The more we have the faster we get cars in and out. Maybe we'll get lucky this time with weather and you'll be able to drive your car down.

Once I have the final count, I will send out more information to everyone volunteering their car and/or trailer on details for move-in and move-out.

So please come to the December meeting, get involved and help us make this event so great that they beg us to come back!

In the mean time, be safe, celebrate the holidays and have fun! I hope to see many of you at the December meeting!

—Kevin



Mike Berichon's 66 Parts Wagon



# 2016 Fall Club Cruise

It was a beautiful fall day as 25 GTOACO members gathered and headed out for the 2016 Fall Cruise. We had 10 GTOs and attracted a lot of attention. In Lancaster we had several people follow us into the airport just to look at the cars. Weather was great for this time of year and everything worked as planned. No car problems or adventures. Everyone had a great time!

We drove 72 miles and had 6 venues if you count the collection point and the restaurant at the McDorman museum. Everyone seemed more than OK with driving a little then stopping for an hour and driving some more.

Many thanks to Pam and Stan Farlow for arranging this event and to Rob Wilson for suggesting the historical aircraft squadron as a stop as well as Rock Mill! In the Spring, we plan to head to Sugarcreek!



# 2016 Fall Club Cruise



## Drag Racing with a Chevy 12 Bolt Rear End by Steve Schaeffer

If you are going to seriously drag race your '64 to '72 GTO or 442 with slicks you are going to learn very quickly that it is very easy to destroy the stock 8.2 inch ring gear BOP GM rear end. The solution is to convert to the 8.875 inch diameter ring gear Chevelle 12 bolt rear end. The bigger ring gear is substantially stronger than the 8.2 inch BOP gear. In fact Pontiac factory installed this rear end with all their 455 powered GTO's.

Jeg's offers 8 different ratio ring and pinion gear sets for this rear end from 3.08 to 5.14 ratios for street use. They also offer "Pro Gears" in 4 different ratios designed for hard launches. There are many different limited slip differentials available as well as custom axles, installation kits, etc. Then there are many other parts that are really race only like a spool that locks both axles together.

The axles in the stock 8.2 rear end are held into the housing with a 4 bolt retainer plate and a bearing that is a press fit on to the axle. If you were to break an axle the wheel stays on the car. Unfortunately the Chevy 12 bolt has the axle bearing pressed into the housing and the axle is retained with a c-clip in the differential. The axle is a slip fit into the bearing. If you were to break a stock 12 bolt axle the whole axle end could come out of the rear end housing complete with the brake drum and tire and wheel.

There are several ways to prevent this problem. For mild street/strip use, I am running Moser non tapered c-clip axles. These are forged and heat treated and much stronger and more durable than stock. While these axles are still retained by c-clips they are much stronger than stock axles and I am not going to break them on a 12 second car with cheater slicks.

NHRA requires aftermarket axles and axle retention devices on any car that runs 10.99 seconds or quicker in the quarter mile and they are also mandatory on any car running a spool. [See their rulebook, General Regulations, Drivetrain, 2:2 Axle-Retention Devices and 2:11 Rear End.]

The axle retention device they are referring to is a c-clip eliminator kit. C-clip eliminator kits eliminate the factory c-clip axle retention and provide a safety hub with pressed on bearings and an extra internal seal to prevent rear end gear lube from leaking.

Moser offers two different kits, part #718-9000 for 12 bolts with their axles using a 1.533 seat, \$160.00 at Jeg's. Their other kit is part # 718-9200 for stock 12 bolt axles with a 1.400 seat, same price.



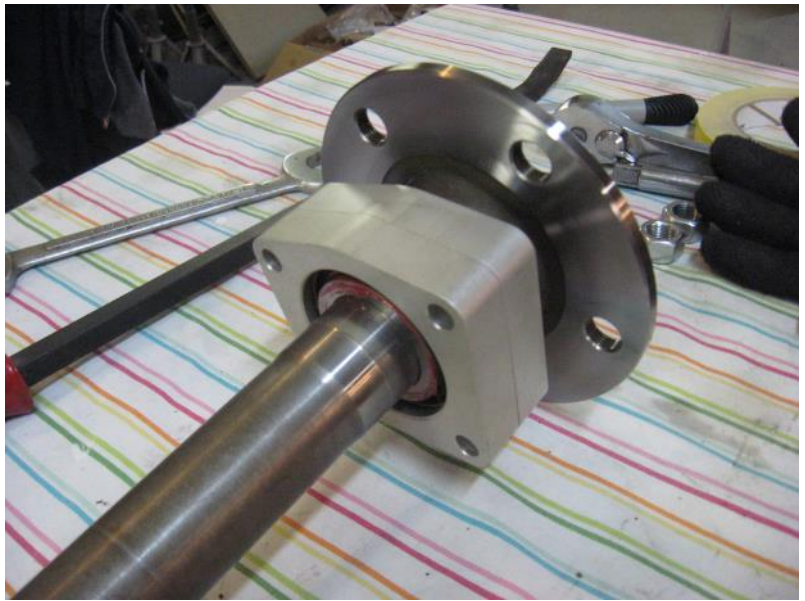
## Drag Racing with a Chevy 12 Bolt Rear End by Steve Schaeffer

Strange Engineering offers seven different GM 12 bolt c-clip eliminator kits. Their web site prices range from \$159.00 to \$200.00. We are building an out and out race car using their forged steel axles and their part # is A1034 kit. Their kits using ball bearings and are not for street use.

As you can see from the attached pictures, my friend Walt Zwicker is building a strip only car. We anticipate that car will run 9.50 's to 10.00 seconds flat in the quarter mile. The frame has been back hafted for 14x32 slicks. You can see in the pictures that the back half of the frame has been dramatically narrowed. The 12 bolt rear end is narrowed so the slicks will still fit inside the widened rear wheel wells. It is also set up with ladder bars for traction and coil over shocks for suspension. The pictures show the Strange Engineering kit # A1034 and strange axles with fine thread 5/8 inch studs to retain the slicks.

My experience with c-clip eliminator kits has only been with cars running rear drum brakes. If you are going to run rear disc brakes you will need to check with one of the manufacturer 's for part numbers, clearances, axle housing modifications, etc.

Wally did the body work on my beautiful '66 442 and now I am wrenching with him on his project. I have been too busy wrenching to get bored since I retired.



# Tiger Bites! - Noteworthy News Bites

- ◆ **NOTE FROM THE CLUB SECRETARY:** Attention club members! The secretary will no longer be mailing club dues notices. Instead, you will receive an email and members owing club dues will be listed in the meeting minutes in the Paw Prints.
- ◆ **WE WILL BE HAVING A DECEMBER MEETING** on December 14th to put the final plans together for staffing the Hot Rod and Custom Car Show! Please plan on attending the meeting ready to volunteer to help out.
- ◆ Our club will be co-hosting the Columbus Hot Rod and Custom Car Show in January 2017.
  - ◆ Club members will be asked to help with this event. Come to the **December Meeting** to sign up to help work the show or contact Ron Cozzo (rcozzo@earthlink.net).
  - ◆ The club has been asked to provide 4 GTOs to for display at the Summit Racing area. Additionally Club members can show their cars in our club area. No cost. Kevin Russo is coordinating the displays, the cars and transportation for the cars in the event of inclement weather. Contact him if you are interested or can help with car transportation (krusso\_sp@hotmail.com).
- ◆ Our annual All Pontiac Swap Meet will be held on Sunday, March 19, 2017. See the flyer in this Paw Prints for more details! A volunteer schedule will be made up prior to the event. Please plan to help!
- ◆ If you need to renew or are thinking of renewing your **GTOAA membership**, please do so to ensure our club remains a valid GTOAA chapter with all the benefits of that status. There is an application in your Paw Prints below and the GTOAA can now take membership applications on line.



## Welcome New Members!

- ◆ No new members this month

# Meeting Minutes November 9, 2016



President Ron Cozzo called the meeting to order. Those in attendance were Brian D'Amico, Kevin Russo, Stan Farlow, Rob Wilson, Jerry & Tina Brownfield, Brent Barham, Jim Lowry, Jeff Frazier, Brenda & Cody Ferguson, Connie Eberly, Keith Stevens, Max Treier, Brian Hall, Mike Shockley, Lonnie McLaughlin, Bob Gribben, Jess Girard, Brad Blackburn, Ron & Donna Landis.

**Treasurer's Report:** Mike Shockley gave the Treasurer's report. Kevin Russo made the motion to approve the report 2nd by Ron Landis.

**Fall Cruise October 15th:** Stan Farlow reported that 8 old cars made the cruise. 24 people had lunch. Stan reported it was a good day with no break downs. Stan is already working on the Spring Cruise to Sugar Creek. Dates he is looking at are June 9th & 10th. He will be checking out about 20 hotels within 10 miles of the cruise in and car show.

**Powell Cruise October 16th:** Ron Cozzo said it was a nice day and a good turnout. This was the rain date since the original date rained out.

**2017 GTOAA Chapter Survey:** Ron Cozzo reported that to maintain the insurance for our events through the GTOAA the club needs to have a 60% membership with the GTOAA. Ron stated that the club is at that 60%.

**2017 GTOACE Officer Nominations:** Lonnie McLaughlin made a motion to keep the same officers for 2017. 2nd by Ron Landis. All members in attendance agreed.

**January 27, 28, 29 2017 Summit Racing Equipment Hot Rod & Custom Car Show.** Cohosted by the GTOACO. This is still a go. Ron will have work schedules made up. The club is responsible for inside work only. Kevin Russo will be sending out an e-mail for any member who wants to show their car.

**All Pontiac Swap Meet:** March 19th, 2017 @ Dennis Hyundai-Ron will be calling the food vendor. He also will mail out cards to the vendors.

**2nd Annual Battle of the Brands:** Brian D'Amico hasn't had a formal meeting with the two previous sponsors. Tentative date is July 29th with the time the same as last year.

**Cruise In & All Pontiac Show:** Lonnie has been trying to contact the hotel.

**Holiday Party:** Lonnie McLaughlin has offered up his house. Looking at having it catered. More discussion on this in December.

**Reminder:** *We will have a meeting in December due to the Car Show in January.*

**Open Discussion:** Club picnic. Stan Farlow reported that attendance has been down the past few years and suggested that we do a fall cruise/picnic. Everyone was in agreement that this would be fun. Rob Wilson and Stan are working on some places and will have an update at the next meeting

**Meeting Adjourned:** Lonnie McLaughlin made the motion to adjourn the meeting 2nd by Kevin Russo  
Submitted by Kevin Russo for Donna Landis, Secretary

**ATT: MEMBERS!!!! ARE YOUR DUES DUE???????? ATT: MEMBERS!!!**

**DUES FOR DEC— Frank Block, Adam Sigg, Mike Shockley, Frank Stewart**

**DUES FOR NOV— Tom Frazier**

**DUES FOR OCT - Jess Girard**

**DUES FOR AUGUST — Dan Bridenbaugh**

**DUES FOR JUNE — Harry Mullins, Greg Butler**

**Please mail dues to Donna Landis, 58 Arlington Ave., London Ohio 43140**

**Meetings held  
the 2nd  
Wednesday  
each month  
Dennis  
Hyundia on  
Morse Road.**



## ***Meeting Agenda - December 14, 2016***

- Treasurer's Report - Mike Shockley
- ◆ Summit Racing Equipment Hot Rod & Custom Car Show - Ron Cozzo
  - ◆ January 27, 28, 29, 2017, Rodd Rainey organizer
  - ◆ Kevin Russo - Club cars
  - ◆ Stan Farlow - Manpower plan
  - ◆ Club insurance submitted
- ◆ All Pontiac Swap Meet - Ron Cozzo
  - ◆ March 19, 2017, Dennis Hyundai
  - ◆ Flyers and mailing list sent for printing
  - ◆ Club insurance submitted
  - ◆ Food Vendor
- ◆ 2nd Annual Battle of the Brands - Brian D'Amico
  - ◆ Date
- Cruise-In and All Pontiac Show - Ron Cozzo
  - Location: Crowne Plaza Dublin is out.
  - Date
- Open Discussion
- Motion for Adjournment



# Calendar of Events

December 14, 2016

Regular Club Meeting 7pm @ Dennis Automotive 2900 Morse Rd Columbus, OH  
5:30pm pre-meeting dinner @ Smokey Bones Bar & Fire Grill, 3939 Morse Crossing, Columbus, OH 43219

December 24, 2016

Christmas Eve!!

December 25, 2016

Merry Christmas!!

December 31, 2016

New Year's Eve



## DECEMBER 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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4	5	6	7	8	9	10
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11	12	13	14	15	16	17
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*Club Meeting  
7pm@Dennis  
Automotive*

18	19	20	21	22	23	24
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25	26	27	28	29	30	31
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# For Sale

- ◆ DJ GTO Parts! Now your one stop shopping place for used and NEW GTO parts. If you know the part number, great, otherwise just let them know what it is you need! See Dan Gregory Jr. (or call 614-563-0877 or email [info@djgtoparts.com](mailto:info@djgtoparts.com)) for more information and options for taking delivery of your parts or visit their website at <http://djgtoparts.com/>. GTOACO members receive a discount!



- ◆ *I will rebuild your Muncie '64 to '74, or Borg Warner T-10, '57 to '65 or GM Super T-10, '75 to '81 4 speed transmission for \$375.00 including the following parts that are necessary to freshen up a worn, high mileage unit.*  
*Synchronizer Rings, Case Bearings, all small parts, Spacers, Snap Rings, Needle Bearings, Thrust Washers, Strut Keys & Springs, New counter shaft, Gaskets, Bushings, and Seals.*  
*I also have new and used gears, cases, side covers, tail housings, etc. available.*  
*Steve Schaeffer, Retired A.S.E. certified mechanic, Lancaster, 740-654-8959 or 740-215-0126.*  
*I also build Ford Top Loaders '64-79 passenger car, overdrive and regular, as well as Chrysler A833 4 speeds. Parts on Ford and Chrysler transmissions are slightly higher.*



*Send in your items for sale to your Paw Prints Newsletter Editor (pictures welcome).*

*Remember, ads are FREE to GTOACO Members!*



**APPLICATION FOR MEMBERSHIP  
GTO ASSOCIATION OF CENTRAL OHIO**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Occupation: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Membership Dues are \$20/year for email Paw Prints delivery, or \$30/year for postal delivery.

(Check One)

RECEIVE OUR MONTHLY NEWSLETTER, THE PAW PRINTS

BY EMAIL (COLOR PDF) \$20

OR POSTAL MAIL (BLACK AND WHITE) \$30

MAKE CHECKS PAYABLE TO: **THE GTO ASSOCIATION OF CENTRAL OHIO**

SEND TO:

**DONNA LANDIS  
58 ARLINGTON AVE.  
LONDON, OH 43140**

Web Site [www.gtoaco.com](http://www.gtoaco.com)

**740-506-5804  
E-MAIL ADDRESS  
[SHARKLANDIS@NETSCAPE.NET](mailto:SHARKLANDIS@NETSCAPE.NET)**

YOU A MEMBER OF THE GTO ASSOCIATION OF AMERICA # \_\_\_\_\_ Date Expires \_\_\_\_\_

SPOUSE'S NAME : \_\_\_\_\_

CHILDREN: \_\_\_\_\_

YEAR, COLOR AND STYLE OF GTO (s) OR PONTIAC (s) CURRENTLY OWNED:

\_\_\_\_\_  
\_\_\_\_\_

WHAT ACTIVITIES WOULD YOU BE INTERESTED IN? \_\_\_\_\_

OPTIONAL:

WRITE A SHORT STORY ABOUT YOURSELF, FAMILY, OCCUPATION, HOBBIES AND HOW YOU GOT INTERESTED IN GTO'S. IF YOU HAVE ANY PICTURES OF YOUR CAR SEND THOSE ALSO. THIS INFORMATION WILL BE USED IN A COLUMN IN THE PAW PRINTS FEATURING MEMBERS. IT IS A GOOD WAY FOR US TO BECOME AQUATINTED WITH EACH OTHER.



### GTOAA Information

Your chapter is an affiliated chapter with the GTO Association of America. You can join the National GTO organization, the GTOAA & receive the Golden Quill Award Winning publication, *The Legend*.

To join complete the form below and mail in, or join online at [www.gtoaa.org](http://www.gtoaa.org)



## Membership Application

Date: \_\_\_\_\_

Mem #: \_\_\_\_\_

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**GTO Ownership is not a requirement of membership to the GTOAA**

### GTO OWNERSHIP

Year \_\_\_\_\_ Body Style \_\_\_\_\_ Engine \_\_\_\_\_

Year \_\_\_\_\_ Body Style \_\_\_\_\_ Engine \_\_\_\_\_

Year \_\_\_\_\_ Body Style \_\_\_\_\_ Engine \_\_\_\_\_

*I agree that, if elected to membership, I will conform to all rules of the Association and conduct myself in the manner that promotes the goals and purposes of the Organization.*

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

**DUES:**  
\$35.00/year for members in the USA, \$40.00USD/year for Canadian members, and \$50.00USD/year for all other international members. \$5.00 for associate memberships in the same family name (includes membership card, decal, and membership listing). There is a \$2.00 bank processing fee for applications paid by credit card.

CHECK / MO # \_\_\_\_\_

Mastercard / Visa Card # \_\_\_\_\_ Exp # \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Make Check/Money order payable to GTOAA:

Mail signed Application to: GTOAA, PO BOX 455, Timnath, CO 80547

# ALL PONTIAC INDOOR SWAP MEET

**March 19, 2017**

Enter on East Side of Building  
at the Service Entrance



**DENNIS**  
HYUNDAI OF EASTON

Dennis Hyundai, 2900 Morse Rd., Columbus, OH 43231

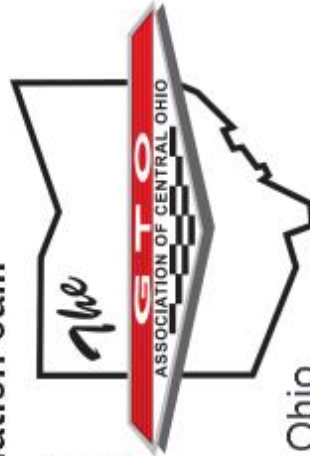
VENDOR SET-UP 7:00 A.M. - 9:00 A.M.

OPEN TO PUBLIC 9:00 A.M. - 1:00 P.M.

**10' x 10' spaces - \$15.00 each**  
**\$2.00 general admission**

For swap & vendor information call:

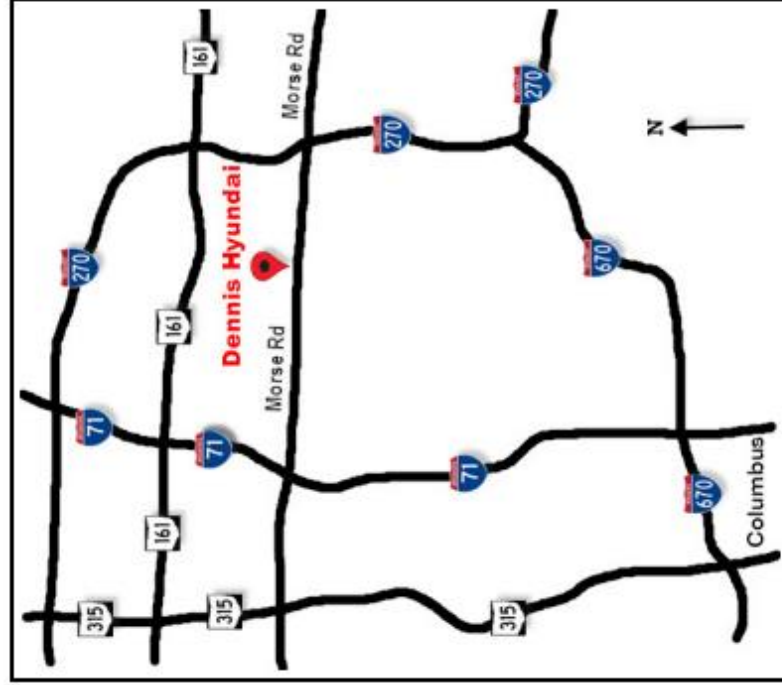
Ron Cozzo (740) 777-1135  
email: [rcozzo@earthlink.net](mailto:rcozzo@earthlink.net)  
[www.gtoaco.com](http://www.gtoaco.com)



**Or write to:**

GTO Association of Central Ohio  
1710 Buttermilk Hill Rd, Delaware, OH 43015

GTOACO and Dennis Automotive are not responsible for any damage or injury.



# GTOAA Nationals 2017

GOATS KICKING ASPHALT ON ROUTE 66

Springfield  
Pop: GTOAA

Burma Shave

READY TO PLAY

NEXT STOP  
SPRINGFIELD

ARE ON THE WAY

THE GTOS

Springfield, Illinois  
June 26 - July 1

Crowne Plaza Hotel  
[www.gatewaygto.org](http://www.gatewaygto.org)

# GTOACO Club Officers

## President

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740-361-1116  
[klandis@absolutecleaner.com](mailto:klandis@absolutecleaner.com)

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## GTOACO Sponsors



# DENNIS AUTOMOTIVE

### Dennis Automotive

Aaron Masterson, General Manger/Vice President

2900 Morse Rd

Columbus, OH 43231

614-434-3536



### Absolute Cleaning Solutions

Cleaning Blinds, Fire Damage, Ceiling Cleaning & Service  
Restoration

Kevin Landis, President

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Plain City, OH43064

740-490-7185

[klandis@absolutecleaner.com](mailto:klandis@absolutecleaner.com)

<http://www.absolutecleaner.com/>



### Inskeep Brothers Printing

Jeffrey K Inskeep

3152 E Dublin-Granville Rd

Columbus, OH 43231

614-898-6620

[4print@inskeepbrothers.com](mailto:4print@inskeepbrothers.com)

<http://www.inskeepbrothers.com/>



### DJ GTO Parts, Inc.

Rust Free Parts & Cars Bought & Sold

Dan Gregory, II

11283 Main St

Stoutsville, OH 43154

740-474-4614

[info@djgtoparts.com](mailto:info@djgtoparts.com)

<http://djgtoparts.com/>



### Capital City Appliance Service

Jerry Brownfield

2830-D Fisher Rd

Columbus, OH 43204

614-308-9028

[ccas2830@aol.com](mailto:ccas2830@aol.com)

<http://www.capitalcityapplianceservice.com/>





2010-2016 GTOA Newsletter Certificate of Excellence Recipient

DECEMBER 2016

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