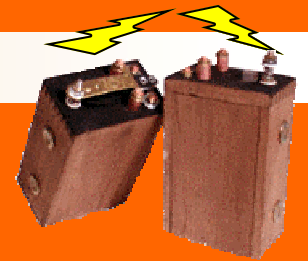


The

**BUZZ...****February 2016**

## Ramblings from the Running Board

**In this Issue** President's Message  
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Christmas Party



**H**ello Tin Lizzies members! It's only February and we've had two great activities already in 2016. Thanks to everyone who came out to our Christmas party at Aidan O'Reilly's and made it such a fun time. A recap of the festivities follows within. Really big thanks to the organizers and presenters who put together our annual Winter Tin Lizzy University: Kevin Brusco, Tod Wirth, Dave Hjortnaes, Jim Rodell, Sr., DeWayne Fritz and Keith Gumbinger. I think this TLU set a record for attendance with roughly 50 members of the Dairyland Tin Lizzies and Milwaukee Model T Club on hand by my unofficial count. A report on that is also right here.

Our next scheduled activity will be the Spring Business meeting where we will finalize our touring season calendar. There are lots of great tours and activities set for this year, including two overnight tours. Please note that the Yellowstone Trail Tour, a day-tour originally scheduled for June 11<sup>th</sup>, has been rescheduled for June 4<sup>th</sup>. Take a look at the upcoming events page and reserve those dates on your calendar now. We all know how it works here in Wisconsin. The summers are short and everyone's calendars fill up quickly. Seems it's always a challenge to (Go to Page 3)

## Upcoming Events

(Save these Dates)

- |                    |                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>January 2</b>   | <b>Christmas Party At Aidan O'Reilly's Pub</b><br>When: 2PM — Dinner @ 4PM<br>Where: Aidan O'Reilly's Pub - Allenton. WI        |
| <b>January 16</b>  | <b>Model T University</b><br>When: 1-5PM — Doors open @ 12:30<br>Where: Vrana Frame & Body Shop                                 |
| <b>February 28</b> | <b>Greater Milwaukee Area (Indoor)<br/>Winter Automotive Swap Meet</b><br>When: 8AM – 2PM<br>Where: Washington County Fair Park |
| <b>April 10</b>    | <b>Spring Business Meeting</b><br>When: 2:00 PM<br>Where: Aidan O'Reilly's Pub - Allenton. WI                                   |
| <b>May 28-30</b>   | <b>Destination Door County Tour</b><br>Details to follow                                                                        |
| <b>June 1-4</b>    | <b>MTFCA --- Home Coming</b><br>Where: Richmond Indiana                                                                         |
| <b>June 4</b>      | <b>Yellowstone Trail Tour</b><br>Jackson to Fond du Lac to West Bend                                                            |
| <b>June 19</b>     | <b>Wings &amp; Wheels</b> Hosted by Jack & Barb Leonhardt<br>When: 10:00 AM<br>Where: Sheboygan County Airport on Cty O         |
| <b>July 2-4</b>    | <b>Green Bay Tour</b>                                                                                                           |
| <b>July 25-29</b>  | <b>EAA Air Venture</b><br>Details to follow                                                                                     |
| <b>August 13</b>   | <b>Horicon Marsh Tour</b><br>Details to follow                                                                                  |

## The Dairyland Tin Lizzies MODEL T UNIVERSITY January 16, 2016



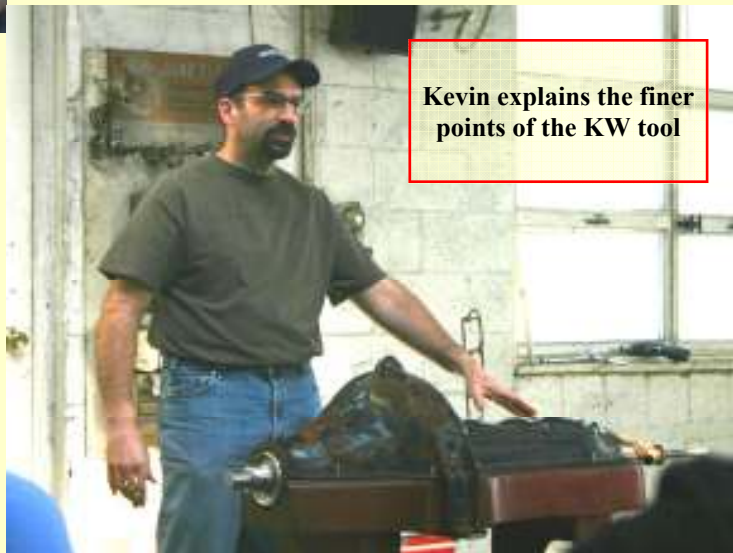
Once again Vrana's Frame and Body shop was stuffed full with Model T enthusiast's from both the Dairyland and the Greater Milwaukee Model T Club's. The doors opened prior to the schooling, which provided time for everyone to 'get to know' each other again and to look over the hardware that will be talked about. There was also plenty of HOT coffee, plus other drinks to wash down the homemade cookies and various types of chips to keep us from wasting away from hunger during the educational process.



Keith calls the Class to Order

At about 1 pm, Keith Gumbinger, called the shop to order and gave the class syllabus, then introduced Kevin Brusco. Kevin, with Jim Rodell's KW Model T pan alignment tool, explained the tool and it's use. Apparently the Model T's crankcase, AKA oil pan, is susceptible to stress, and can get bent out of shape. Especially, the non 1926-27 engines that do not have the additional hogs head to engine bolts. Kevin explained that the Model T crankcase is sensitive to poor driving conditions. The Model T routinely was driven through deep wheel ruts and over mounds of earth, which

twisted the bowed the Model T frame. Although the car would make it through these hazards, sometimes the hazard took it's toll on the crankcase. If the crankcase did become misaligned, the crankshaft and transmission shafts can be placed under enough bending stress to cause damage, and possible breakage. We all witnessed more than five different crankcases being tested on the KW tool. Each had some alignment problem ranging from minor to unacceptable. The nose of the crankcase is pinned to the tool with a 3/4" rod. The crankcase lays flat on the tools table, locating pins that fit into the tools table tell whether or not the crankcase is twisted. At the same time, is easy to tell if the crankcase is bowed. It will rock on the KW table. The ears of the crankcase are checked against flanges on the sides of the KW table. The last alignment check is the back flange where the ball cap fits. An alignment tool should easily slip into place here. Kevin also talked about how to straighten the crankcase. First, you (Go to P 6.)



Kevin explains the finer points of the KW tool

## Ramblings from the Running Board

“get everything in”.

Another important function that will occur at the Spring meeting is the election of officers. Following the bylaws of the MTFCA, my term as president will come to an end and a new president will be elected. All club offices will be available. Please consider giving some of your time and energy to our club and to the hobby that you love by accepting a nomination for office. We need you! I hope to see you all on April 10<sup>th</sup>.

Take some time and take to the road. Model Ts make magic.

*Pete*

### Dairy Land Tin Lizzies -- Club Officers

**President:** Pete Humphrey

**VP:** Jim Hess

**Secretary:** Jim Rodell Jr.

**Treasurer:** Duane Nicholson

**Webmaster:** Carol Gumbinger

**Newsletter:** Mike Zahorik



## **51ST ANNUAL GREATER MILWAUKEE AREA INDOOR WINTER SWAP MEET**

**SUNDAY, FEBRUARY 28, 2016**

**8:00AM - 2:00PM**

**PRESENTED BY WISCONSIN CHAPTER MAFCA**

Washington County fair grounds  
3000 Cty Hwy PV (Pleasant Valley Rd) -- West Bend WI 53095  
Easy to find, at the intersection of US Hwy 45 & County Hwy PV

## Cotter Pins — What Every Model T'er should Know

Don't ever under estimate the lowly cotter pin. Most modern equipment may not have them, but the Model T has many of them. They are there to hold you car together. A Model T can shake like a wet dog. You certainly don't want your cars parts falling off, specially when you are out touring and having fun. Cotter Pins are cheap enough that anyone can afford to have good collection of them around in the shop.



A Cotter Pin will have a diameter. The collection above has 1/8 and 5/32 inch diameters. The Cotter Pins will also come in various lengths. A Cotter Pin will work with a castellated nut. These nuts also come in different shapes. The bolt or shaft that corresponds to the pin and nut must have a hole drilled in it. Make sure the hole is clean and has the same diameter as the Cotter Pin. The Cotter Pin must be long enough to be wrapped over the nut



and bolt end, as seen below. Advance the nut over the threads. The nut should be tight. If the hole doesn't line up with the nut notch, tighten the nut more rather than loosening it. Insert the Cotter Pin all the way into the hole so that the loop fits snugly in the notch of the castle nut. Next bend over the split ends of the Cotter Pin so that one is



over the nut face and the other is over the shaft. This is what a properly installed Cotter Pin should look like. Finding castle nuts is not difficult, many hardware stores will have a good selection. Finding an appropriate bolt with a hole in it is another matter. Here is a little jig that I made for 3/8 inch bolts, to add a Cotter Pin hole. It is drilled and tapped to hold the bolt. There is a small hole

corresponding to the Cotter Pin drilled perpendicular to the tapped hole.

The bolt is inserted and drilled either in a drill press or carefully by hand. You may have to



experiment with a few bolts to get the hole placed at the correct height.

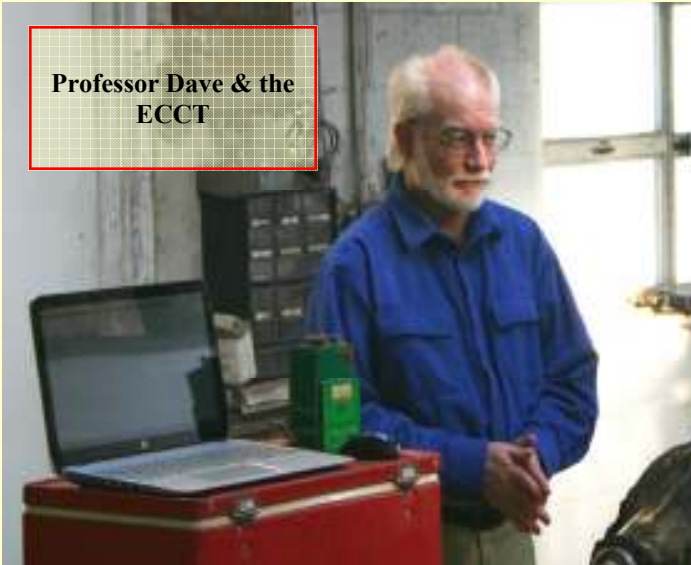
You have to find the right combination of how far to insert the bolt into the jig to drill the Cotter Pin hole correctly. Otherwise, you may find that once the nut is tight the Cotter Pin can not be properly inserted. Sometimes, Cotter Pins may seem like extra fuss, but you don't want your nuts to fall off!

should be sure that the bolt holes are not ballooned out, not allowing the crankcase to rest squarely on the table. Then check for alignment of holes on the table and ears and the ball cap area. If there is misalignment, Kevin explained that the old way was to 'beat' on crankcase. BUT..... that may repair one problem and lead to another. Kevin explained that heating and shrinking the metal in the appropriate places would pull the crankcase into alignment. Easier



Checking if the crankcase rocks on the table.

Professor Dave & the ECCT



said than done, but it works. The KW table does not check the position of the radius rod socket, which affects wheel alignment. Another non check is the front oil dam. The dam can be out of place affecting the crankshaft seal and oil leaks.

Next Dave Hjortnaes and Tod Wirth talked about the ECCT, the Electronically Cranked Coil Tester. All the ECCT functions were demonstrated and it was compared to the Strobe Spark. The ECCT can be used on it's own or with a laptop computer. We were told that if you wanted to get our coils adjusted down to the gnats ass, this is the device for you. It works a little differently

than the Strobe Spark or the HCCT, which works on average current. The ECCT works on measuring the core saturation timing of each spark. Then you adjust so that each coil has the same timing.


Next we heard Jim Rodell Sr. show a number of Model T accessory parts and Dewayne Fritz talk about the installation of valve train parts and the adjustment of the valves. Dewayne displayed a



Stipe cam and adjustable cam gear, a high compression aluminum head, a nylon cam gear and more. After being filled with the finer points of Model T 'stuff', many of us drove over to the Omicron restaurant for a little stomach filling of the nutritional kind. We all had a good time. If you missed this one, be sure to mark your calendar for the next University. (more Pictures on Page 9)



## Dairyland Tin Lizzies Christmas Party January 2, 2016

 Our club Christmas party was enjoyed by 36 members and was held at Aiden O'Reilly's in Allenton, WI. The highlight of the party was the White Elephant gift exchange.

Numbers were given out to everyone who brought a gift to exchange. Pete Humphrey pulled the numbers & when your number was pulled, you had the choice of taking a gift that some other member had already received, OR picking an unopened gift from under the Christmas tree.

Taking a gift from another member proved to be a fun affair, and it was done several times that day. There were several nice gifts that were in high demand, like three gifts that each included a bottle of fine wine, a Jim Beam Whiskey bottle (full, of course) inside of a Model T Ford decoration, a genuine cast iron Model T piston and connecting rod, and a very nice Santa hat with "Merry Christmas" sewn onto the front of it.



I simply must tell you that those three bottles of wine got taken by others quite often. At the end of the day, those who were successful in getting a bottle of wine were: Barb Leonhardt, Nita Nicholson, and Carol Gumbinger. As you might expect, Greg (aka Rock) Zangl, was after that piston and rod, and he eventually got it!

After the gift exchange game was over, we all enjoyed a wonderful dinner catered by Aiden O'Reilly's. The dinner was capped off with deserts brought by our members. The deserts were scrumptious!!! I'm sure they were all low calorie for those of us (ahem) who are on diets....

As you know, our perennial bachelor, Jim Hess, got engaged to Sandy Graham over the Christmas holiday, and we all got to meet her at the party. Welcome to our club, Sandy!



After exchanging gifts, enjoying a wonderful dinner and scrumptious deserts, the party was, somewhat reluctantly, over. A good time was had by all and we're looking forward to our next club event. Many thanks to Pete and Shelly Humphrey for hosting this party.

**Submitted by Keith Gumbinger**



# Dairyland Tin Lizzies Christmas Party January 2, 2016





# Dairyland Tin Lizzies Model T University

