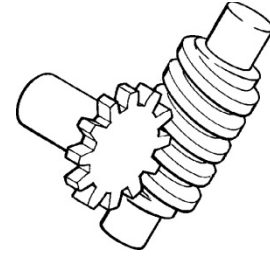


**METRO DETROIT  
METALWORKING  
CLUB  
February 2014**



Club website: [www.metrodetroitmetalworkers.com](http://www.metrodetroitmetalworkers.com)

**Treasury report:**

Balance: \$929.43  
"

**Contacts:**

President: Kurt Schulz

Vice Pres: Kevin Thomas

**Next meeting:**

March 12, 2014, 7p.m.

Macomb County  
Community College

**Room R128**

Treasurer: Ken Hunt

Secretary: Bob Farr

Webmaster: Steve/Doug Huck

**We LOVE Michigan, right?:**



Detroit News file photo

The DWS has issued a winter storm warning covering S.E. Michigan until 3pm Wednesday, March 12<sup>th</sup>. Total accumulation is expected to reach 6-9" south of M59. Drive carefully!

**In Remembrance:** The MDMC lost long time member Herb Cook in February, shortly before the meeting. Herb had undergone a multiple bypass procedure on his heart, but never fully recovered his strength.

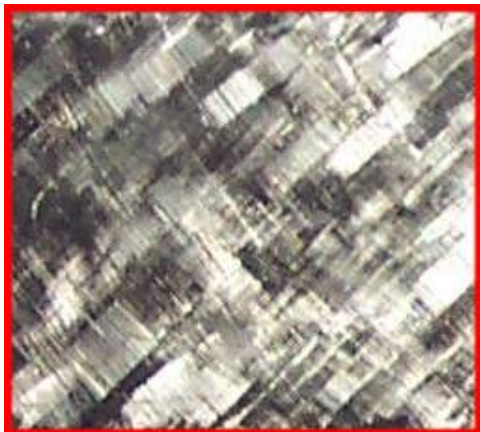
Herb was an avid maker and collector of miniature machine tools. He also devoted much of his time to helping make the NAMES show successful over the last 25 years.

We will miss you Herb.

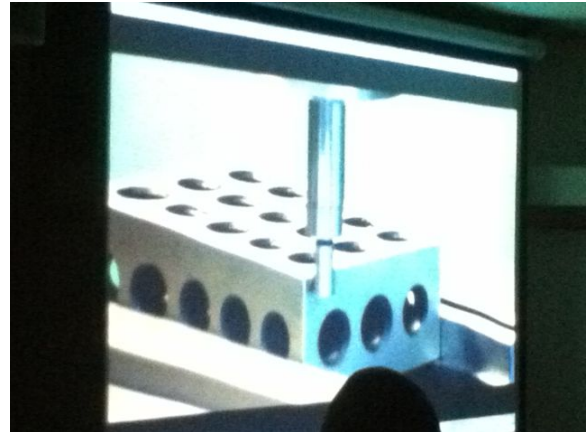
**Announcements:** Dick Triemstra shared that a machine tool scraping class is being formed and will be taught by Richard King of King-Way Machine Scraping Consultants Co., [www.handscraping.com](http://www.handscraping.com).

The class is scheduled for May 16, 17 & 18, 2014 from 8am-6pm. Classed will be held at Hickory Engineering, Inc., 15400 South M43 Highway, Hickory Corners, Michigan, 49060, telephone (269) 671-5124. HE Inc. is owned by James Thwaites, who will also be a student.

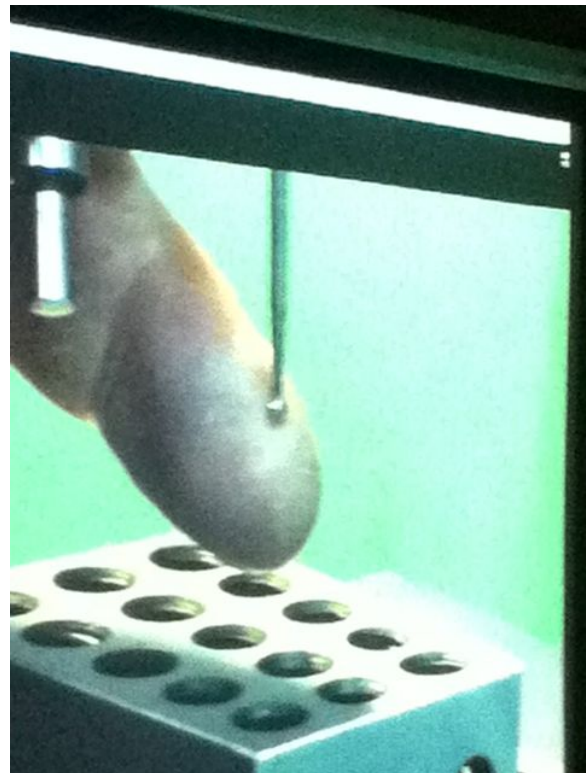
Spaces are limited, the cost is \$800-\$900 (depending on the number of attendees), and the class may be extended for two additional days on a per-day basis. Contact the host Mr. James Thwaites, at the number above, or by email at [snark66jt@aol.com](mailto:snark66jt@aol.com). Mr. Richard King may be reached by email at [richard@handscraping.com](mailto:richard@handscraping.com).



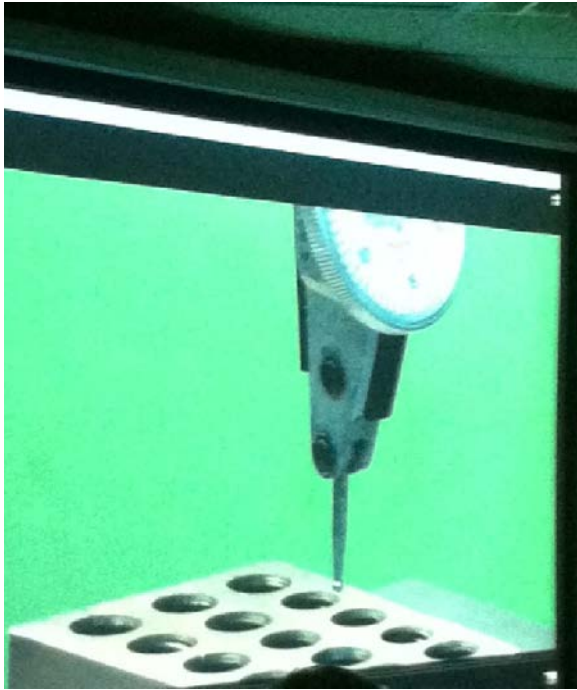
**Show and Tell:** Club President Kevin Thomas presented a video that he prepared demonstrating the use of various forms of the center finder:



Different techniques were discussed, as well as “shop tips” for getting the most accurate results:



Kevin also discussed how to use an indicator to zero in on an edge by splitting the difference of paired measurements:



Thanks for the informative video Kevin!

Bruce Mannerow shared his replica of an Ordnance QC MKII 18lb field gun:



The MKII had a caliber of 83.8mm. It was in service with the British Royal Field Artillery service from 1904-45:

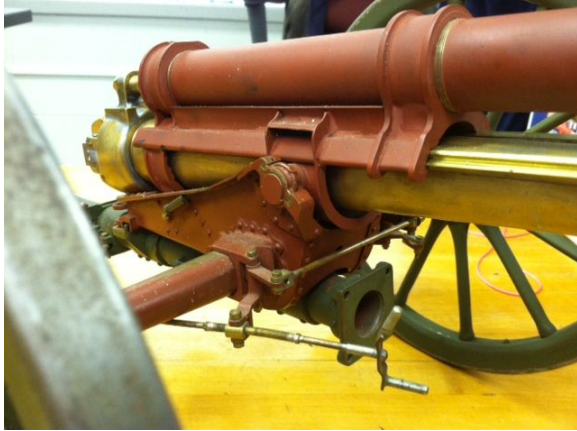


The gun has a recoil recuperating mechanism above the barrel. Bruce's project is made from raw materials, without the benefit of castings or scaled drawings. He noted that the breech work has been particularly difficult as detailed drawings are not readily available:





The recoil recuperating mechanism rides on a rail atop the barrel, and is fully functional on Bruce's model:



Fantastic job Bruce! For those interested, there is a detailed history of the development and use of the Ordnance QC gun at this [Wiki link](#).

Bruce also brought a model gas turbine engine to the meeting:



This model was designed by Kurt Schreckling (author of "[Gas Turbine Engines for Model Aircraft](#)") to use a centrifugal impeller borrowed from a small turbocharger. Bruce's version uses his own *wooden* impeller:



Bruce's turbine uses a vaporizing coil and diesel while running, but uses propane while starting. Here's a view of the hot end:



Bruce suggested visiting the [Gas Turbine Builder's Association](#) if you are interested in learning more.





table top is nearly as wide as the gear teeth:



And here is Steve's timing cover and coolant fan for the Pacifier:



Steve hasn't forgotten work on his own projects. Here is a set of straight pipes for his V8:



Great work, as always Steve! Thanks for bringing in so many new and interesting pieces every month.

**“Mucho Gracias”**: It has been an unusually cold and snow-covered winter. Our snow removal equipment is working overtime and taking a beating! Joe Comunale thanked the several members at the February meeting who *jumped* in line to help him repair his tractor.

Joe had simply posted a request on Rick Chownyk's MDMC Yahoo site for ideas on how to get a corroded wheel off the half-shaft. Within hours several members had offered ideas, help, and equipment. Even Bert Campbell's huge hydraulic press couldn't remove the wheel!

If I remember the outcome correctly, Dimitar Rangelov cut off the wheel with a torch and removed what remained with his lathe. Joe was able to get back to fighting Mother Nature, and grateful for the outpouring of assistance from within the “MDMC network”.

Here's a video of [Joe's snow blower](#), better than ever!

Bob Farr, Secretary