

# Metro Detroit Metalworking Club

March 2011

Beginning balance	\$714.55	President	Rick Chownyk		
20011 dues income		V. President	Emil Cafarelli		
Non-dues income		Treasurer	Ken Hunt		
New balance	\$836.39	Editor/Lib	Bob Farr		
Expenses	-\$0.00	Publisher	John Lee		
Total Decembers on deposit	\$836.39	Webmaster	Steve / Doug Huck		

## President's Message:

Well, with March here, I'm ready for warmer weather! It's hard to imagine that N.A.M.E.S. is only a few months away!

Regretfully, the Loctite rep will not be able to be our guest at this weeks meeting, but will be at the April meeting next month!

I just could not think of another guest speaker for this months meeting, so it will be a "show and tell" session of monumental proportions! (In other words, please bring along something to show!) Hope to see you at the meeting!

Rick



**Next meeting:** March 9, 2011 at 7:00pm, Macomb County Community College in the north lobby of Building 'S'

**Meeting minutes, February 9, 2011:** President Rick Chownyk opened the meeting with a reminder that if you are having difficulty receiving the Club newsletter via email, or difficulty accessing the Club Yahoo newsgroup, to check your junk mail box. Most email software operates with various levels of filtering to restrict unwanted junk mail. Change your filter settings to accept email from John Lee ([ssco36@glaim.com](mailto:ssco36@glaim.com)) and Rick Chownyk ([rickomatic2006@yahoo.com](mailto:rickomatic2006@yahoo.com)) and the problem will be cured.

Rick also welcomed visitor Kurt Schultz. Kurt has been making very determined progress for sixteen years on Bill Reichart's Panther Pup four cylinder IC engine (<http://www.billreichart.com/engines.shtml>). Welcome to the group Kurt: we will do what we can to encourage your progress!

Karl Gross arranged for a guest speaker. Mr. John Tartaglia, PhD., is a metallurgical engineering manager with Stork Climax ResearchServices,Inc.inWixom,MI(<http://www.storksmt.com/crs>) His presentation included detailed photographs of the various microstructure phases, an interesting video demonstration showing the growth and shrinkage of metals as they pass through their critical temperatures, and a cutaway example of locally induction hardened grain structure. If you missed the meeting you need not miss his slide presentation: it should be posted in its entirety on our new Club website (<http://www.metrodetroitmetalworkers.com/>) soon. He is also repeating his presentation at NAMES this year. Thank you to John for sharing your interesting work with us, and to Karl for arranging the presentation. The subject spawned a few interesting side discussions, and several members mentioned their satisfaction with Omega brand thermocouples ([www.omega.com](http://www.omega.com)), Tempil sticks ([www.tempil.com](http://www.tempil.com)), and OXO digital thermometers ([www.oxo.com](http://www.oxo.com)) for determining material and furnace temperatures.

James Hagel presented his recently completed air engine made from Corian brand counter top material. Congratulations on the completion James and thank you for sharing your engine with us.

Jim Peters shared his progress on valves, rocker arms and spring keepers for his V8 heads. It was a tidy bit of workmanship, as usual from Jim.

Steve Huck brought a water pump housing for his V8 which was still in the "unfinished, in progress" state. The excess material had largely been cut away from the material blank by his CNC mill, but four small tabs still connected the part to the blank. When finished the tabs are simply snipped to free the part. Thanks for sharing the technique Steve.

Joe Piesch shared several very interesting items this month. A small set of parallels, set atop a three-point leveling brass base, is used to balance watch parts. His vintage hook-jaw pliers had a very graceful arch in their handles and a level of craftsmanship not likely to be found at Harbor Freight today.



Finally, he brought a pocket knife with a bit of history to it. It was invented by Major John Wesley Powell, a Civil War veteran, geologist and Grand Canyon explorer (<http://www.powellmuseum.org/Index.html>). Major Powell lost most of an arm at the Battle of Shiloh and, as a result, invented this folding knife which could be operated with one hand. Thank you for sharing these items Joe.

Ron Grimes reported completion of his model shaper. It took ten months to finish and he will be adding a vise to it soon. He had his next project on hand but still in the shipping box: castings for the model lathe to accompany his other machines. It was interesting to see the project in its infancy. Unfortunately, I neglected to get a photograph to share. Sorry Ron, bring it back and I won't miss it twice. **Bob Farr**

