

Metro Detroit Metalworking Club

Feb 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:

Greetings all! With all this cold and snow, it's hard to imagine that NAMES and other shows are only a few months away! It's actually snowing like crazy as I am writing this!

Anyway, although the next club project has been postponed for now, Steve Huck assures me we will be working on it later this summer! Warmer weather and time will surely bring out the members to build it!

A big "thanks" to Karl Gross for arraigning this month's guest speaker. John Tartaglia will be speaking on heat treating metals, and after talking to Karl, it sounds pretty interesting! John may even be talking about induction heat treating at the home shop level! Karl is also arraigning the Lock Tite rep to do a talk maybe for the March meeting....More info next month on that.

I would also like anybody with club books, tapes and dvd's to please bring them back, so we can get an inventory and a traveling library going for the club. Thanks. Well, it looks like I better get going on the snow shoveling ..sigh.. Take care, dress warm, and see ya at the meeting! Rick



Joe's Soap CNC

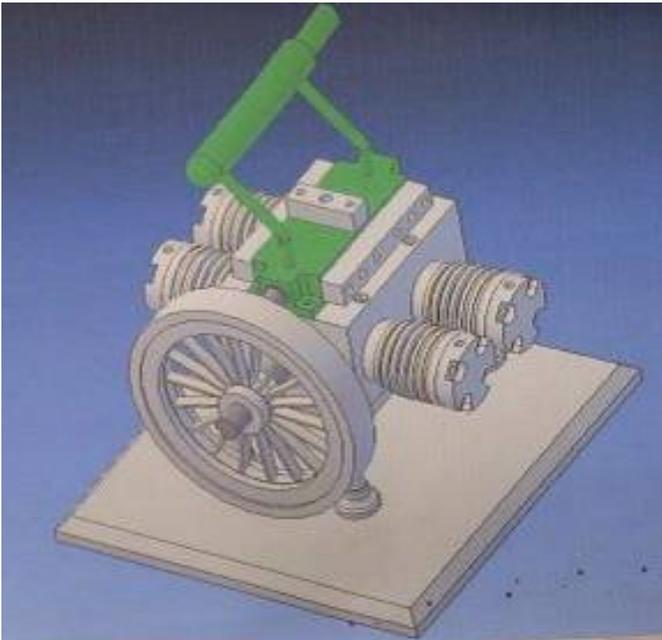
Next meeting: February 9, 2011 at 7:00pm, Macomb County Community College in the north lobby of Building 'S'

Meeting minutes, January 12, 2011: President Rick Chownyk opened the meeting with a reminder about several interesting events slated for 2011. NAMES is scheduled for April 30 through May 1 in Southgate (www.modelengineeringsoc.com), the Mini-Maker Faire is scheduled for June 4 in Ann Arbor, and the Maker Faire happens on July 30-31 in Detroit (www.makerfaire.com). Rick also welcomed several visitors: Ken Kohlndorfer, Dimitar Rangelov and Joe Comunale. Ken is interested in I.C. engines, Dimitar brought along components of his vintage Seneca Falls lathe, and the pictures below of a 3D tiger cut from a bar of soap is an example of Joe's CNC craftsmanship. Thanks for visiting gentlemen and we hope you will come again.

Bert Campbel brought in a Moak band saw blade guide which he had successfully treated with a corrosion removal product called Evaporust. Bert's work was impressive but, unfortunately, my photograph doesn't adequately capture the before-vs-after distinction. The product can be found and Home Depot or similar stores, and more information is available at the company's website: www.evaporust.com

Herb Cook shared several model shop tools from his collection. The lathe, drill press, power hacksaw and shaper were all functional. Thanks for bringing them in to share with us Herb! Ron Grimes made progress on the t-nuts and ratcheting table drive mechanism of his model shaper. It was interesting to put his and Herb's machines next to each other for comparison: they are twins!

Jim Peters shared his crankshaft turning procedure. Starting with a blank of square stock, multiple centers are first drilled on the ends then the throws are rough milled in the vertical mill to remove the bulk of the material before turning the journals in the lathe. He brought along an example turned from 12L14 and a couple of V8 heads, all which were up to his usual high standard of workmanship



Rick Chownyk shared some battery powered L.E.D. lights which he has found useful for sticking onto machinery with Velcro or magnets to light up dark spots. The units are inexpensive, drain on the batteries is low and the units can be found at Harbor Freight, KBC Tool, Gibraltar Trade Center or similar vendors. Thanks for the tip Rick.

Steve Huck discussed a possible group build project: a double-scale Linley Machine Company opposed flat four cylinder air engine. His CAD rendering were impressive and thorough, and the project represented a challenging step up in difficulty over the radial from last year. Thanks for your hard work on the drawings Steve. Unfortunately there were not enough members interested to meet the build schedule necessary for the NAMES deadline, so the project has been postponed.

Karl Gross reported that NAMES will provide a larger space for the club display at the 2011 show. We should have six tables available (including electricity and air pressure) located at the scale train end of the center island. There may be an opportunity for us to have live machining demonstrations during the show, though safety details are still being worked out. Karl also reported that he was working on bringing a visitor to the February meeting to give a presentation on heat treating techniques. He has confirmed since then that this program is a go, so everyone interested in such a program should plan on attending the February 9th meeting.

Bob Farr

