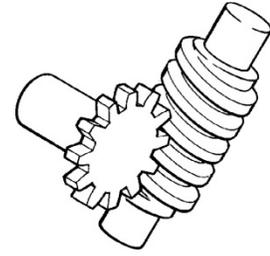


**METRO DETROIT
METALWORKING
CLUB
MAY 2013**



Club website: www.metrodetroitmetalworkers.com

Treasury report:

Balance: \$859.43

Next meeting:

June 12, 2013, 7p.m.
Macomb County
Community College
Building R, Room R112

Contacts:

President: Rick Chownyk

Vice Pres: Emil Cafarelli

Treasurer: Ken Hunt

Secretary: Bob Farr

Webmaster: Steve/Doug Huck

President's message: Greetings everyone!
No program for this month (sorry), so bring some good "show and tells" and anything else 'ya might think to bring! Coffee and doughnuts and good friends await! Rick



Upcoming events: The MDMC picnic will probably be held at the Ray Community Airport, 59819 Indian Trail (between 27-Mile Rd. and 28-Mile Rd.), Ray, Michigan, 48096, www.go2ray.com. Planning is still in progress, but presently the target weekend dates are September 14-15, or 21-22, 2013.

MakersFaire is July 27-28, 2013, 9:30-6pm, at The Henry Ford, 20900 Oakwood Boulevard, Dearborn, Michigan, 48121. Tickets and more information are available online at www.makerfairedetroit.com.

Miscellaneous info: *The Candy Store* of scrap metal and tools which is so often spoken of during meetings is officially known as “License Plate Heaven”, 16505 East 13-Mile Rd., Fraser, Michigan, 48026, phone (586) 822-3774. It can be found on the web:

www.licenseplateheaven.com

The owners are Fred and Donna Kostrick. Fox Chancel Two did a feature story on them:

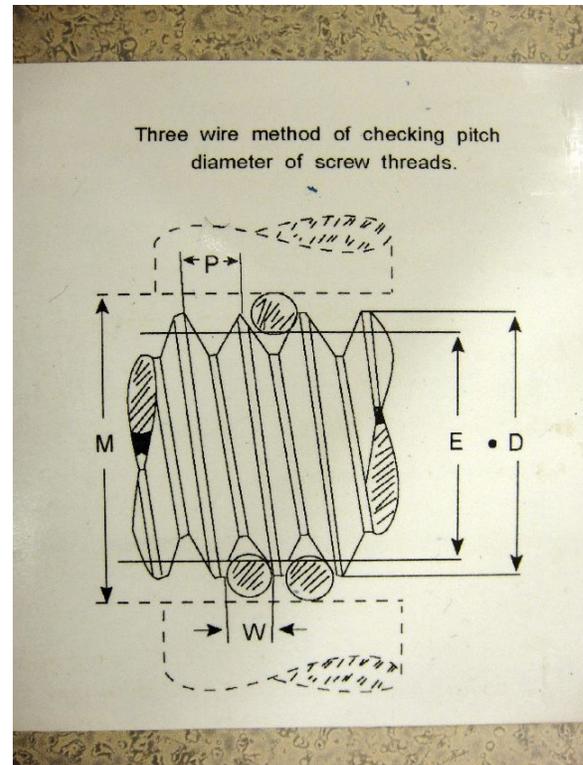
www.myfoxdetroit.com/story/18451639

Presentation: “Threading” was the theme for the May meeting and Rick Chownyk shared some tips about how to measure threads.

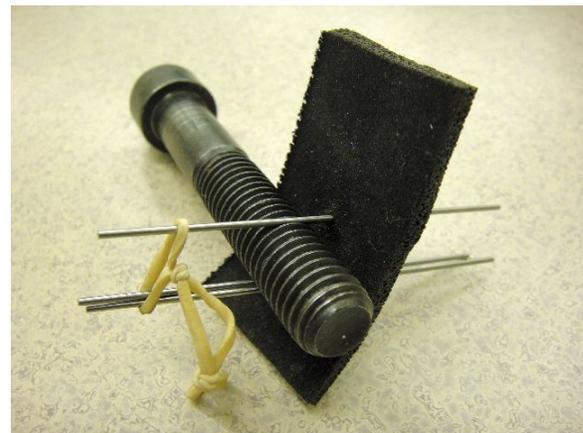
His favorite method is to measure over three wires, which come in a kit:



The wires are a precise diameter and are placed in adjacent threads, then measured with a micrometer:



Marking the threads with Dykem or a Sharpie can help identify consecutive threads. Rick also suggested using rubber bands or some sheet foam material to help hold the wires while the measurement is taken:



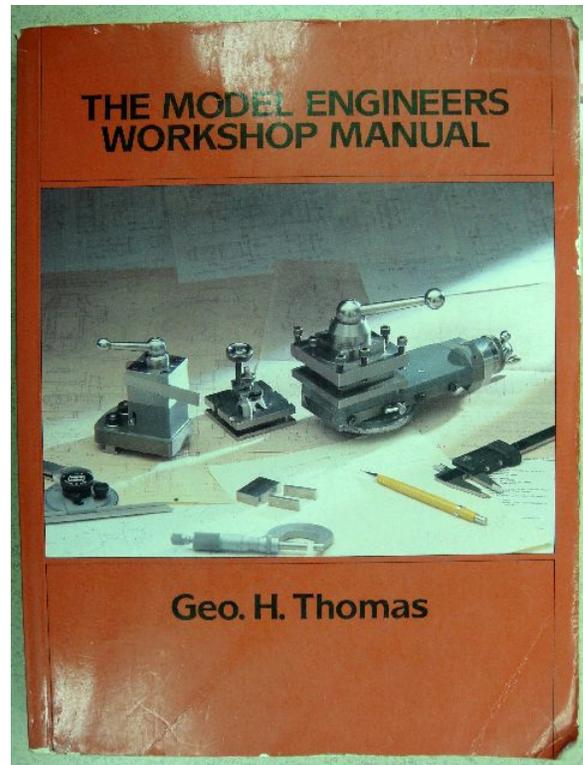
Rick suggested the use of a thread pitch gage for simpler measurements:



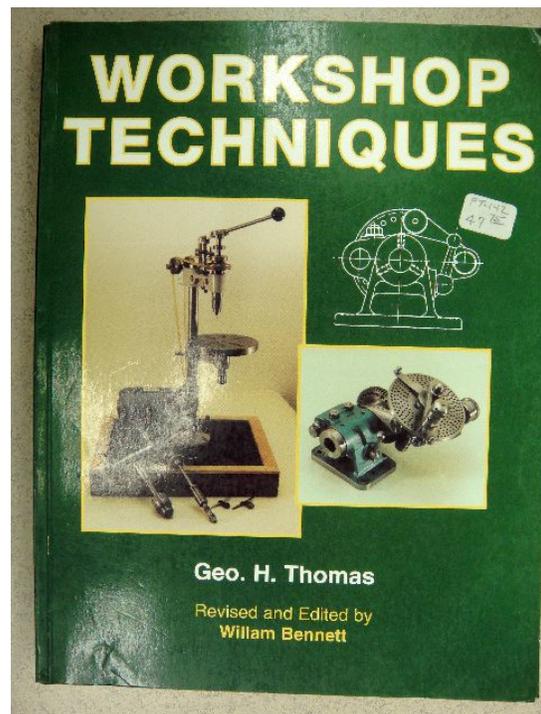
George Waterman showed us a set of tap and die tools which he uses in his lathe tailstock or mill spindle to help start the threads straight:



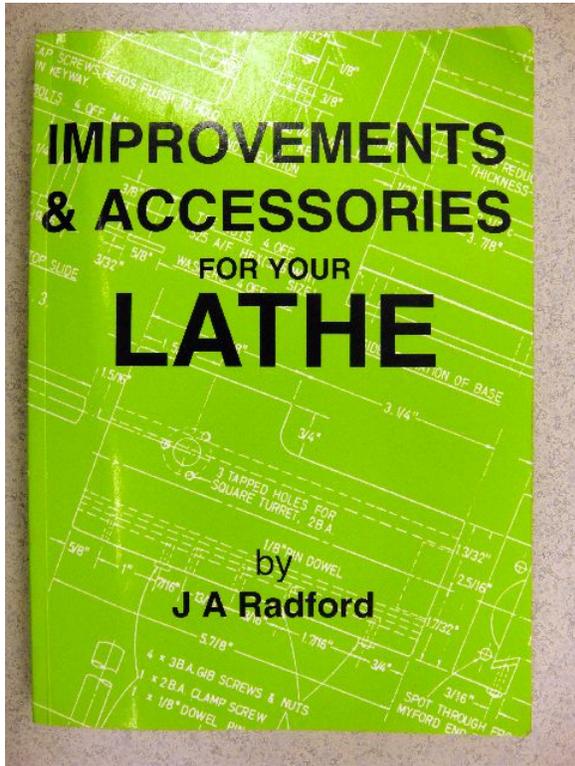
Joe Comunale brought in several books which have threading tips associated with various projects. This first one is "The Model Engineer's Workshop Manual" by George H. Thomas, c.1992, TEE Publishing, England, ISBN# 1-85761-000-8:



Another by the same author and publisher is "Workshop Techniques" c.1998, ISBN# 1-85761-106-3:



Joe's third book suggestion is by author J.A. Radford, "Improvements & Accessories for your Lathe", c.1998, TEE Publishing, England, ISBN# 1-85761-105-5:

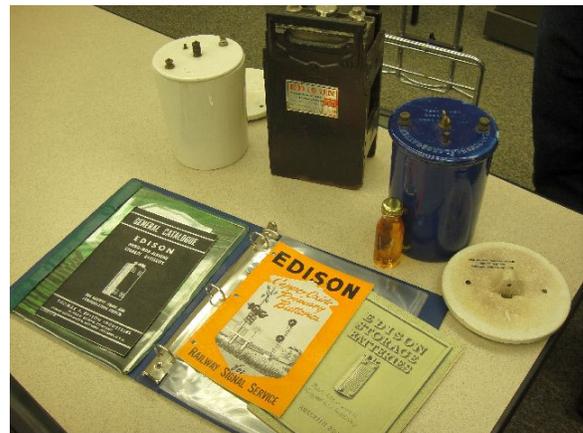


Thanks to everybody who contributed to the discussion and shared their tips!

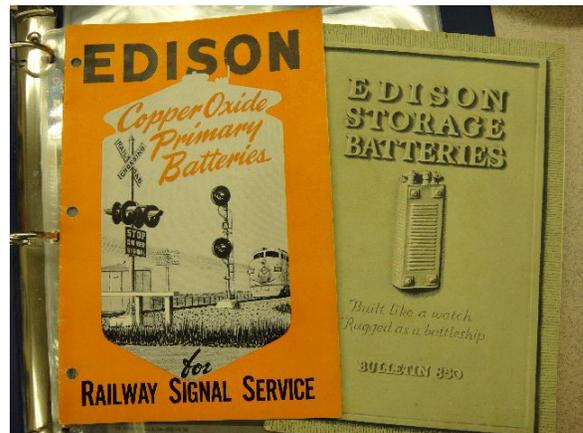
Show & Tell: Steve Huck scored a V8 block at NAMES to add to his collection:



Carl Wright shared several batteries from his collection:



Apparently many were used at railway crossings, or to power devices like phonographs before power was widely available:



They are most commonly made of a glazed ceramic pot containing consumable cathode and anode plates in an alkaline lye solution:



The plates emerge through the lid to be hooked to wires under thumbscrews:

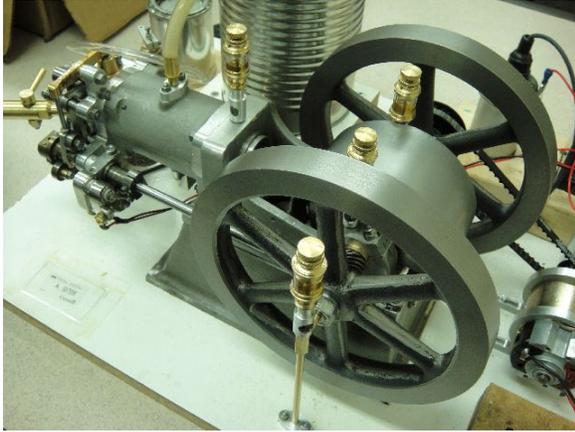
Lots of pretty ceramic colors ...



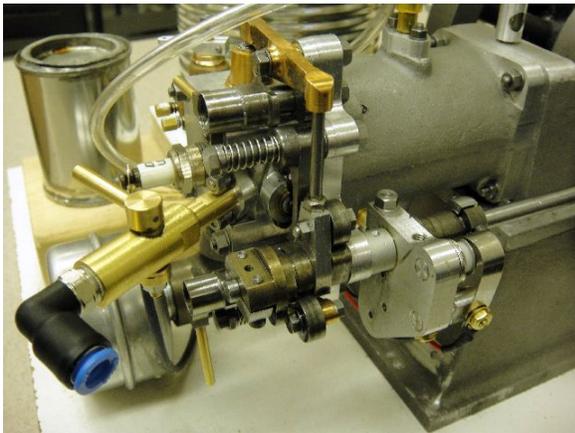
... and different sizes:



John Lovegrove brought in a very nicely done 40cc scale model of a Westbury Wyvern engine:



John's engine ran beautifully during the meeting and, moreover, started with virtually no effort by use of an air-start system. The disconnect valve for that system can be seen here:



Great engine John, and thanks for exerting the *considerable* effort to share it with us!

For anybody interested, Hemmingway happens to make a casting kit for this engine: www.hemmingwaykits.com

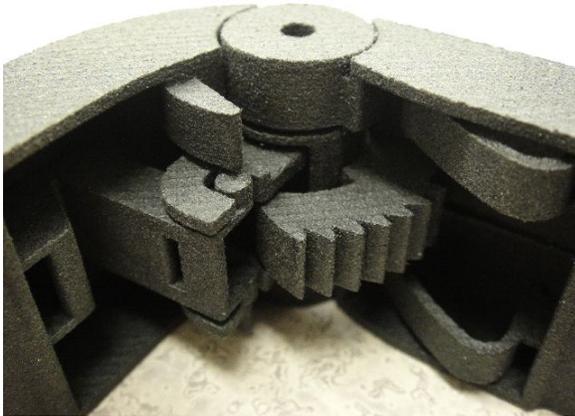
Brian Lawson brought in a “what is it?” which was quickly identified as a chip guard for a lead screw. The spring steel is attached at each end and unwinds/rewinds as needed to cover the screw:



Rick Chownyk showed us a rapid prototype “widget” made as a give-away for the GM bring-your-kid-to-work day:



The device is made in one piece – hinges, ratchet, pawl and all:



Everyone has “built a tool, to build a tool, to build a part” for their hobby. But Mark Wyatt put that theme to the best use possible when he tapped his metalworking skills to build this mill ... for preparing grain ... to brew beer!



Mark knurled the grain crushing rollers himself, and constructed the copper hopper from rain gutter material. He powers the mill with a hand drill and can grind 10lbs of grain in just a few minutes:



Great work Mark, but *samples are VERY IMPORTANT!* It's in the by-laws!

Finally, Dr. Mike Jostock showed us ... *wait!*



..... never mind, we shall *never* speak again of what he drew on the blackboard.

Bob Farr, Secretary