



**METRO DETROIT
METALWORKING
CLUB
November 2013**



Club website: www.metrodetroitmetalworkers.com

Treasury report:

Balance: \$819.43

Contacts:

President: Rick Chownyk

Vice Pres: Emil Cafarelli

Treasurer: Ken Hunt

Next meeting:

December 11, 2013, 7p.m.
Macomb County Comm.
College – Room S140

Secretary: Bob Farr

Webmaster: Steve/Doug Huck

President's message: Yep, it's time for our annual Christmas meeting! Chili dogs, pop and coffee will be provided. If ya want to bring a dessert, that would be great! Spouses, family, and friends are always invited!!

Although I am not on nights yet, this will be my last meeting as President. We will be voting on both President as well as vice President. Dress WARM and hope to see you Wednesday!

Visitors: Bruce (from Canada, I'm sorry I didn't catch your last name) stopped in so see what the MDMC ruckus was about. His list of machine toys is nice: 13" lathe, a bench mill, some 1/6-scale artillery, a gas turbine engine, and a half-built train model. Oh yea, he belongs with us, he's in!

Hey Bruce, a pizza is required tribute from all foreign dignitaries – ask Brian, it's in the by-laws!



More visitors!: Keith Hogland is a longtime friend of Karl Gross from their days with GM. He has a *georgeous (!)* 13" South Bend lathe, a mill (the manufacturer escapes me at the moment) and *seven* ("yea, count them, seven!" says his wife) very nice motorcycles, mostly British.

Karl, Godfried and I visited Keith's shop recently. Despite still being in the healing stages of a hip injury, Keith brought every bike equipped with a kick starter (*five!*) to life – *with* the kick starter. Yea, he belongs with us, he's in too! In fact he gets a 'by' on the initiation ritual so put the goldfish away.

Bob Rubowski of Downriver Tools stopped in too. You've seen his nice turret lathe tool kits at NAMES, so he's *already* one of us! Check out his website: www.downrivertools.com He has a Logan 9" lathe, two Burke No.4 milling machines (one for sale, nice too!), and is selling Dennis Howe's model engines through his web site. Bob likes beam engines (and if I remember correctly, side-wheel steam boats too), so introduce yourself if your interests cross.

Show and tell: Burt Campbell wanted to make sure that the frequent donors of 'scrap' knew that their generosity was appreciated and was actually being put to use. He brought in a tripod head which he doctored up

by making some screw-hole plugs from material donated in the past:



He also turned down some donated stock to use as shank material for some small grinding wheels:



Nice work Bert, and good of you to let the donors know that dragging in material is not a waste of their time.

Kevin Thomas brought in a nearly completed brass train whistle. It has three chambers of different heights:



The outer body is 3" diameter with a 0.875" wall. A disk at the bottom forces air along the sides of the chamber wall for more effective flow past the slots:



Kevin reported having some difficulty while fly cutting the chambers in the thin-walled tubing, which he solved by making a temporary supporting jig

from aluminum round stock. He departed from the plans in a few places. One was addition of a nicely finished custom brass nut for the top:



Another was addition of a 1-1/2" radius on the top piece, which the plans did not call for. The radiuses (external and internal) were accomplished this by grinding cutters with the needed radius:



Beautifully done, even the tooling! Make sure to attend the club's Christmas party at the December 11 meeting, where Kevin may give this whistle a blast or two!

pulled off the web to illustrate his inquiry:



Note the rubber tips on the right side of the picture. Ken's have hardened and cracked and no longer work well. He is looking for a suitable substitute or source of replacements. Several members suggested simply attaching a pencil eraser (the 'slip on' ones so common when pencils were still used) and then using a sander to reshape their chisel shaped ends to a point, or ball, or whatever is needed.

After the meeting I checked to see if I could find a source of replacements. No luck – erasers it is, then. What I did come across and thought everybody might enjoy was a video by a prolific YouTube poster for machining videos: Tubalcain. Apparently Starrett also supplied a disk with their revolution counter which could be used to calculate speed in 'surface feet per minute'. Tubalcain made his own disk and made a nice video demonstrating it at this [link](#). Check out his other videos.

Post-meeting 'stuff': This photo was leaked from operatives within the "Steve Huck Skunk Works":



It appears to be some sort of prototype crankshaft, soon (*very* soon, based Steve's work pace) to be buried out of sight forever inside another hot rod model engine. Feast your eyes while you can!

Karl Gross picked up this nice 1944 South Bend 9A lathe, and then did a complete disassembly and rebuild and made it *more* beautiful!

Before:



Karl's lathe, during restoration:



And after:



Nice work Karl, the picture doesn't do it justice!

Bob Farr, Secretary