

# Metro Detroit Metalworking Club

## Newsletter

Volume 2, Number 9 (September, 1998)

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### NEXT MEETING

The October 1998 meeting of the Metro Detroit Metalworking Club will be held at the old fire hall at the Southfield Burgh historical site in Southfield, Michigan on Monday, October 19 from 7 PM to whenever.

We have no guest speaker this month, so you are encouraged to bring in your projects, completed or not, to share with other club members.

The Historic Burgh Center is at the intersection of Civic Center Drive (10 1/2 Mile Rd) and Berg Rd. (Berg Rd is about 1/4 mile east of Telegraph Road between Telegraph and Lahser Rds.) The Burgh Center is on the North East corner, park in the Human Resources Center parking lot and walk north a couple of buildings (on Berg Rd) to the Old Fire Hall. (The Historic Burgh Center and old Fire Hall are about one and three quarters of a mile west on Civic Center Drive from the Southfield Public Library, where we have been meeting.)

Coming from Telegraph Rd turn East on Civic Center Dr. go about 1/4 mile to the traffic light at Berg Rd and turn North into the Human Resources Parking lot.

For more information on the club, contact our President, Bob Lorenz

The November meeting will be held on Thursday, November 12, again at the old Fire Hall Museum in Southfield at 7 PM (promptly this time). Our guest speaker in November will be Mr. Terry Duffiney from the Loctite corporation. He will have a hands-on presentation of their products.

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### MEETING NOTES

The September meeting at Huron High School was a great success. This meeting was held at Huron High in order to give students an idea of what metalworking could offer beyond a job. Several Huron High metalworking students attended, and saw a number of interesting models and precision tools. The metalworking club got a chance to see an excellent high school metalworking shop under the direction of an enthusiastic and knowledgeable shop instructor (**Chip Greene**).

The Huron Schools are online at:

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We welcomed as new members **Bill Zablocki** and **George White**. Bill is interested in the designing and building of tools and in getting his foundry set up. George is interested in live steam locomotives and engines. Welcome!

**Larry Chenault** spoke briefly about the speakers on scraping and metrology that he had arranged for earlier meetings. He suggested that as a token of our appreciation of these speakers we should make for them a small plaque. Larry had done some of the initial research on making such a plaque, and this may become a Sherline CNC project. Everyone thought this to be a good idea.

**Chip Greene** described the program at Huron High, and invited all club members to visit any time during class hours - that is, weekly from 8 - 10 AM. Club member Pete Perigord already visits the class and helps out.

In the first year of instruction, the program emphasizes safety, measuring (including micrometer reading), and layout. It continues to basic machining topics, welding, and heat treating. The program tracks its graduates, as a part of a 10-school consortium, the DCTC. They also organize a trip to the North American Model Engineering Society (NAMES) Exposition each year. Other field trips have included a visit to a local foundry.

The remainder of the meeting was taken up by open visiting. Club members toured the facilities. The Huron High metal shop includes four new Jet lathes, one older LeBlond lathe, four new Jet vertical mills, two Bridgeport vertical mills, a Norton shaper, an Atlantic jig borer, two surface grinders, a small CNC practice lathe, and an annealing oven. Additionally, an older Clausing-Colchester CNC lathe has been donated to the school, but is inoperational due to what appears to be a software bug.

Several club members brought models and tooling they had built.

**Adam Herman** brought a large steel flywheel, a portable (but heavy) bench-mounted press with interchangeable dies, and a custom tool bit grinder holder. Adam has been a machinist since age 26, and was a tanner before that. His work is exceptional.

Our Fearless Leader, **Bob Lorenz**, brought a number of shop-made tools, as well as several reproduction components for civil war era guns.

**Pete Perigord** brought a small all-aluminum traction engine. I didn't get a good look at this engine, but I believe that it is a decorative, rather than a functional model.

**Richard Olejnik** brought two working "hit & miss" engines. Both were beautiful.

As usual, the meeting ran overtime. Everyone enjoyed themselves, and I, at least, learned quite a bit.

- David M. MacMillan

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## WISH LIST

The metalworking lecture/demonstration WISH list now consists of:

- class on silver soldering

- making an EDM for tap busting
- more on lost wax casting and rubber molds
- casehardening
- using a small wire welding machine
- tips on boring an accurate hole using a lathe & Vert. mill
- making bullet molds
- shop made tools
- grinding lathe tools
- using a cutoff tool in the lathe
- wiring a garage for shop use

Any one care to tackle any of these topics? Contact Bob Lorenz

- Bob Lorenz

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