

# Metro Detroit Metalworking Club

## Newsletter

Volume 2, Number 4 (April, 1998)

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### NEXT MEETING

The April 1998 meeting of the Metro Detroit Metalworking Club will be held at the old fire hall at the Southfield Burgh historical site on Wednesday, March 15 from 7 to whenever.

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

Dave MacMillan will discuss his (lack of) progress with the "Lucy" lucite engine. Other projects are also welcome, if you need any special set up, such as VCR or extra tables let me know a little in advance.

### MEETING NOTES

At the March meeting we had three new members join, Scott Hasse from Utica, Gene Shimpf from Northville, Gene is interested in model gas, steam and jet engines, and Larry Tomaszycski from Ferndale, Larry is a professional model maker. Larry has also put together some interesting metalworking books. Welcome to the club.

Thanks to Eric Haussmann, Bob Furman, Jim Schrot, and Jerry Harmon for sharing information on their projects. Eric brought in an assortment of shop made tools, disc grinder, center finder, tapper and more, Jim brought in a shop made tool post grinder. I am hoping that Eric and Jim may be able to provide us with plans for these tools. The tools all would be a nice addition to a workshop. Bob Furman brought in a beautiful boring head he made using Rudy Kouhoupt's plans from a past issue of Home Shop Machinist magazine. Jerry Harmon brought in a kit steam engine that he was working on and he gave us a critique on his progress so far. He did not recommend this particular kit. We discussed his problems and some possible solutions. Give Jerry a call for the particulars. Brian Lawson had a question about cutting a blind square hole 5/16" X 5/16" in a 1" diameter piece of steel by 1.5" long. ( I think it is a cam lock for a lathe chuck) He had suggestions of EDM, a square broach and a suggestion of drilling four one sixteenth inch holes in the corners and then milling out the center, which is the way Brian

successfully completed the job, and this method had the most votes as a simple way to make a square blind hole in the home shop.

Thanks to Chuck Skarsaune, Jerry Harmon and Ed Lee for donating door prizes.

"The Early Engine Club tailgate sale will be held May 7th in the parking lot behind Lovett Hall next to the Ford Museum. You can get to the parking lot by coming off Oakwood or Southfield rd. onto Village road which runs along the south side of the Village and the Museum. You then take the road just to the west of the Museum that runs between the Parking lot and the Museum. Go to the end of the Museum and then drive along the back side of the Museum and right into the Lovett Hall Parking lot. The sale will start about 5:30 and will run until dark. Everyone is welcome to come and buy or sell what every you want. You don't have to be member of the Early Engine Club. There is always a lot of interesting stuff." This information is from Earl Gage. I suggest we attend this swap meet rather than trying to put on our own.

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
- discuss/demo. small table top cnc lathes and mills
- making bullet molds
- hand scraping machine bed
- shop made tools
- grinding lathe tools
- using a cutoff tool in the lathe
- wiring a garage for shop use

Anyone who could address any of the subjects in the above wish list, or anyone who cares to give a talk or demonstration on another metalworking subject please contact me.

- Bob Lorenz

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## **SPECIAL THANKS**

Special Thanks to our President, Bob Lorenz, for writing all of this month's newsletter (second time in a row - sorry, Bob!)

- David MacMillan

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