

Metro Detroit Metalworking Club

Newsletter

Volume 3, Number 2 (February, 1999)

NEXT MEETING

The March 1999 meeting of the Metro Detroit Metalworking Club will be held at the old Fire Hall Museum at the Southfield Burgh historical site in Southfield, Michigan on Tuesday, March 16 from 7 PM to whenever.

Larry Chennault will be giving a demonstration of silver brazing ("silver soldering" or "hard soldering") using acetylene. He could use donations of silver brazing alloy (silver solder), as this material is not cheap.

Don't forget that on April 10 we have a field trip to the Huckleberry Railroad. We'll be meeting at the Huckleberry RR at 10 AM. Maps will be available before then. I **think** that this will constitute the April meeting.

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

MEETING NOTES

The February 1999 MDMC meeting was on Wednesday the 17th at the old Southfield fire hall.

Our President, Bob Lorenz, led the meeting. Our Treasurer, Bob Lorenz, informed us that we still have enough money and we probably won't need to collect any dues until perhaps July.

We had a guest, Dave Toby. He had a particular project he needed help with: the construction of a missing piece for a turtleback patternmaker's vise. As it happens, Bert Campbell has most of such a vise and was happy to make the part for Dave in exchange for a chance to measure a nearly complete vise so

that he can reconstruct the rest of his.

Bob Lorenz corrected his e-mail meeting notes for the last meeting (thanks for taking them, Bob! - DMM). It was Eric Haussmann, not Bob Fuhrman, who brought in the free H.R. Kreuger steel. Thanks, Eric.

There was more gift steel this meeting, courtesy of Kreuger. Thanks!

The project book circulated, with several new additions including:

- making bullet moulds
- a primer on rust
- worm drives
- digital height gage

Several new items for the project book were submitted.

Both Jerry Harmon and Bert Campbell have volunteered to have meetings at their shop. It was proposed that the August meeting be at Bert's shop, on a date to be determined. It might be possible to do some type of food, as well.

Also in August there is an Old Engine Show at Buckley, in Northern Michigan (between Traverse City and Cadillac). This is about eight miles from Bob Lorenz' place.

The bulk of the meeting consisted of a demonstration of wire welding (arc welding, MIG welding) by Bert Campbell. His demonstration was excellent.

We welded various bits of steel to other bits of steel for an hour or more. In my case, this was the first welding I'd ever done. I was pleasantly surprised that I could do it. I was also impressed that it was a relatively quiet operation.

We used a Lincoln 100 amp welder with mixed argon / CO₂ gas and relatively thin wire. Bert prefers a setup such as this to using the much more expensive flux-cored wire. (His own equipment is much larger, however; this equipment was rented for the evening.)

Special thanks to Bert for a wonderful demonstration. I suspect that there's now an arc welder in my future where there wasn't one before.

Somewhere in the middle of this, Bob Lorenz ran the now traditional door prize drawing. As usual, nearly everyone won something. I came away with a box of steel bits that might almost be small enough for my miniature machining equipment. Dan Hittenmark donated some lovely mahogany, and someone else (I forget who) donated a set of Y-shaped tire-changing devices. Thanks to all who donated things to the door prize.

Things finally wound down after 9:30, and Bob pulled the antique fire truck back into the room. It was a successful, fun, and no more than usually chaotic meeting.

- David M. MacMillan

NAMES Show

There will be a meeting of the volunteers for the NAMES show and the NAMES people on Saturday, February 20 at 1:00 PM at the old Southfield fire house museum. If you've volunteered for the NAMES show, please try to attend.

We still need people to volunteer to display their work at the MDMC table at NAMES. We also need people to volunteer to attend the table, so that the displayers can get up and see the rest of the Exposition.

Brian Lawson is making a sign for our table. Thanks, Brian.

- David M. MacMillan

WISH LIST

The metalworking lecture/demonstration WISH list consists of:

- making an EDM for tap busting
- more on lost wax casting and rubber molds
- casehardening
- 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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