

Metro Detroit Metalworking Club

March '08

Beginning balance	\$576.96	President	Rick Chownyk	
2007 dues income		V. President	Emil Cafarelli	
Non-dues income		Treasurer	Ken Hunt	
New balance	\$576.96	Editor/Lib	James Howard	
Expenses	-\$0.00	Publisher	John Lee	
Total on deposit	\$576.96	Webmaster	Dan Hittenmark	
DUES: \$10/yr. check to MDMC c/o Ken Hunt,			Macomb Community College 14500 E 12 Mile Rd, Warren, MI Room T-122 (parking off Martin Rd East of Bunert Rd Next meeting: March 12, 2008 (2nd Wed of every month)	

President's Message

Well, we're in the last deep cold month of the year, (I hope!) It's been a long one for sure.... with a little bit more sunlight each day, you know Summer is on the way! Shows, swap meets, flea markets and such are just around the corner. We are in the planning stages for a club picnic this summer as well as some field trips to various places. I am not sure if anyone had any thoughts on a club project but I am going to bring some plans for some old engines to the meeting. If someone could bring in the "Elmers Engines" book I would appreciate it. I will have a questionnaire at the meeting that I think will be a lot of fun and get a feeling of what interests the members have.

I was really trying to come up with a "fresh" program this month and just couldn't come up with anything and then it hit me! A talk about indexable cutting tools (what I do for a living!) I will have some handouts as well as some cutting tools to show. I know that practically everyone in the club has some sort of cutting machine and I think that this will be informative on all levels of experience. I know that I have learned ALOT about tooling since getting into this line of work.

One last thing... If anyone would like to help the "other" club I belong to (Rock and Gem club). I need help on Thursday, April 17th at the Roseville rec. center near 11 mile rd. and Gratiot. It would be in the morning about 9:00 till noon. We need lots of help putting the display cases together. Not hard work, just need a lot of cordless drills and guys at the other end of them! See me at the meeting if you want to help out!

Well, that should do it for now. Don't forget to bring a "Show and Tell" to the meeting! Take care.
Rick Chownyk

Robotics & Technology Club

Reminder: 1 PM on the second Saturday of the month. Location is Macomb Community College, S. Campus, T building, room 122. Contact: Donald Foren

MDMC Minutes of 13 February 2008

The meeting was opened at 7:30 pm by former president John Osborne upon the absence of Rick Chownyk, due to illness.

Emil Cafarelli, requested advice and information from the membership for a light duty laser to be used with a NC table he is building. Don Foren suggested that he review Instructables.com for information.

Karl Gross is in contact with NAMES and is the club contact for that organization. He requested volunteers for participation in the next show, approaching quickly on April 19/20 2008, for manning of booths, small presentations, ect.

Phil Shannon, passed out copies of a drill and tap chart he has available.

Don Foren, offered a request for advice or help for a friend with a lawn services company who wishes to increase the spray capacity of an existing spray equipment package. Contact Don for details.

Bob Farr, demonstrated a set of Babbitt bearings for his lathe, under reconstruction. (This editor had spelled his name incorrectly in the last minutes. Sorry.)

Emil Cafarelli demonstrated a very neat polyfoam pattern cutter using the hot wire technique. It consisted of a simple coping saw frame supporting an insulated and stretched nichrome wire electrically heated to near red heat by a variable voltage output transformer. (These variable transformers, which move a wiper across each of the exposed windings of the secondary of a transformer, providing an a/c voltage ranging generally from 0 volts up to the input line voltage, are known by their trade names, Powerstat or Variac. There may be danger to these devices depending on the a/c current required for the specific wire gauge and its heating current requirements. High current drawn from just a few turns of these transformers will do the same thing to the transformer windings which is being attempted with the nichrome wire, failing the transformer. To me, a far better solution would be the use of an old, readily available vacuum tube heater transformer with multiple high current secondary taps, from the ancient 50s or so. James Howard)

Steve Huck, demonstrated a 1/4 scaled model of a 1/4 scale model of an air motor. The miniature of the miniatures was a working model, beautifully done.

James Howard, Metro Detroit Metalworking Club



Top Spindle with Babbitt bearings
Below IBM (Itty Bitty Machine)



Emil's foam cutter



Dial Indicator with 5" of travel.
Where do I get one ?

