

METRO DETROIT METALWORKING CLUB				JUL '07	
Beginning balance	\$536.96	President	John Osborne		
2006 dues income		V. President	Emil Cafarelli		
Non-dues income		Treasurer	Ken Hunt		
New balance	\$536.96	Editor/Librarian	James Howard		
Expenses	-\$0.00	Publisher	John Lee		
Total on deposit	\$536.96	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-142 (parking off Martin Rd East of Bunert Rd Next meeting: Aug 8, 2007 (2nd Wed of every month)		

PRESIDENT'S MESSAGE Hi gang! Sorry I missed the meeting, but I was at the CNC Workshop with Rick Chownik and Don Foren. I didn't get any pictures from the meeting, so I put in some I took at the CNC Workshop. The one to the right is how the crew retrofitting an old Mazak machining center was sustained. They managed to get the machine moving and changing tools. I guess it just takes the right food...



MINUTES -13 June 2007 Emil Cafarelli brought the meeting to order at 7:30 pm. He noted that John Osborne and two other members were absent during this meeting due to their attendance at a CNC tooling convention. Mr Cafarelli brought in and demonstrated a home-built light duty 36" belt sander. It featured a simple and effective belt centering adjustment and used a light duty 1" belt supported by wood pulleys and ran vertically over a platen. He uses it for bit sharpening and other light duty finishing.

A potential new member, Len Thomas, introduced himself to the membership. He indicated a long interest in metal tools and machining and currently owns a limited stock of metal tools.

James Howard requested the help of the membership in developing ideas for a dental tool for which he has uncovered the need, within his own direct experience. He reviewed a robbery and assault he endured in 1987, during which he lost upper teeth, requiring an upper plate for replacement. Recent repairs on the plate attachment hooks resulted in damage by the dentist, due to the use of pliers improperly designed for the bending of these hooks, resulting in failure of this very expensive hook. James reviewed the problem at the board and requested ideas for a tool, which would distribute bending load over the length of the bend, to avoid stress risers. A member remarked that this was an improper subject for discussion in this metalworking club and the discussion was immediately terminated.

James Hagel suggested the development of a club logo for use on caps or golf shirts of the membership. Mr. Cafarelli jumped on this idea immediately and assigned Mr. Hagel to develop designs for membership review.

Joe Pietsch presented a kit model miniature marine engine he had built. The kit came from Graham Industries of New Mexico. He also presented a set of slot cutter bits for the annulus of O-rings and snap rings. They were \$90 from Victor Machine Exchange of Brooklyn, New York.

Burt Campbell presented a large collection of prints of photographs of tooling objects he found searching the web. Many items provided prints of the parts, some free and some at cost.

Ron Grimes presented a deburring tool he made, featuring a removable handle, allowing the handle to be used with potential future tools.

James Howard offered his house again for use during the August meeting. The meeting will present a simplified review of the 4 or 5 methods used to construct or develop a clay vessel or component and will show the various stages of any single product from basic clay preparation to the completion of the last firing of the finished product. He requested that attending members bring any available folding chairs he might have so that no spouse has to stand for the presentation. He also promised a large tray of Japanese sushi, with and without raw flesh, especially for anyone who has never tried either. Submitted by James Howard.



Rick Chownik was on fire. Well, not really, but almost. He gave many demonstrations of his home-built metal casting set-up. This was a very popular demo and Rick talked himself hoarse every day. The Rick-O-Matic CNC milling machine was also there with a higher speed spindle. Anyway, Rick is attempting to light the burner in this picture. I never saw it work the first time, but Rick doesn't give up.



John Osborne camped in his van waaaayyy off in a corner of the grounds. Rick was complaining about the long walk from my van back to his booth one time while telling what happened earlier in the day. A propane cylinder was left in the hot Sun and it was apparently overfilled, because it vented a solid stream of liquid propane. Rick acted quickly and got the situation under control avoiding a big fire or worse. I said "Thanks, but that's the reason I park as far away from you as possible..."



These are goats. We were in farm country where talk of computer controlled machine tools seemed quite out of place, yet I enjoyed it immensely. I was able to get many questions answered that will help me in my work. I also enjoyed the show the fireflies put on every night for an hour as the Sun went down. The relaxation was welcome.