

METRO DETROIT METALWORKING CLUB				FEB '06	
Beginning balance	\$157.96	President	John Osborne		
2006 dues income	\$30.00	VPresident	Emil Cafarelli		
Non-dues income	\$0.00	Treasurer	Al Campbell		
New balance	\$187.96	Editor			
Expenses	-\$0.00	Publisher	John Lee		
<b>Total on deposit</b>	<b>\$187.96</b>	Webmaster	Dan Hittenmark		
DUES: \$10/yr. check to <b>MDMC</b> c/o Al Campbell,			Macomb Community College 14500 E 12 Mile Rd, Warren, MI Room T-120 (parking off Martin Rd East of Bunert Rd <b>Next meeting: FEB 8, 2006 (2<sup>nd</sup> Wed of every month)</b>		

## PRESIDENT'S MESSAGE

This edition of the newsletter is a bit late. Now that I hold two offices in the club (Pres and Editor) and my money making job has picked up, it makes things a bit more difficult. It is also hard for me to run the meeting and take the minutes. The office of Editor is still open. I will be happy to train, support and backup anyone who wants to try it. You need a computer with Microsoft Word and the Paint program that comes with Windows. Its kind of satisfying to get the text and the pictures to fit with a professional look. There is a handful of deep, dark secrets about Microsoft Word that I exploit. A few defaults need to be overridden to keep pictures from squirting all the page with the slightest change, but once you know how to handle that, you are no longer driven to tears. The table that forms or masthead took many hours to organize and fit a and tweak, but now we just edit it a bit for each new edition. Instead of dealing with columns (another frustration) I now put all the text in boxes that I can plop down anywhere and they stay.

If you have a PC, I can show any of you how to do the newsletter as well (or better) than I do. Any takers?

## MINUTES

There were 21 1/2 people attending, John O and Emil C. presiding. John Mentioned dues and several people paid up. We went right to Show & Tells after that.



**Rick Chownyk** has done it again. Now there is a Rick-o-matic Jr. AND a Rick-o-matic Sr. The picture shows a knee mill (a large one) with a Proto-Trak CNC conversion of the type Rick learned on. He is itching to put it in production, but it is still on the trailer he used to get it from Chicago because of its imposing size. The Proto-Trak is probably the easiest to use conversational CNC control, yet it is amazing capable. I learned on a two-axis machine which meant I had to work the quill, but it was still a great help. Rick's protoTrak controls all 3 axes, so he can walk away. The adventure continues...



**Joe Pietsch** picked up a chuck at a flea market that looked like it had a #2 Morse taper adaptor. But it had a ball bearing in it. Its still a good buy, though.



**Emil Cafarelli** has joined others in making a device to avoid having to put his tailstock back to dead center. Unlike Ron Schmidt's, Emil made his from scratch. (The picture shows Ron's, I forgot to snap Emil's version.)



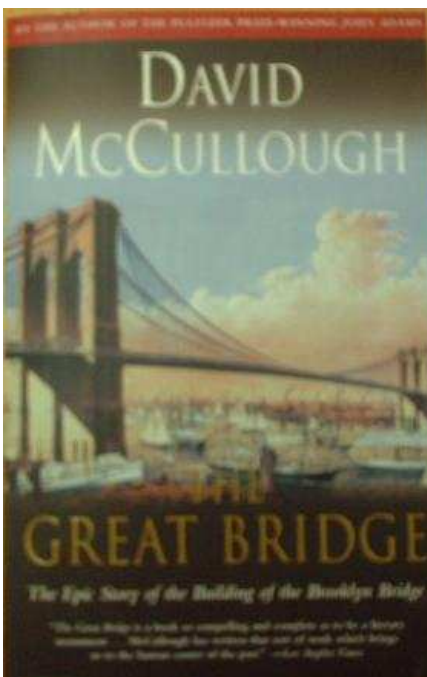
**James Howard** built what appears to the naive mind to be a homemade belt sander, but it differs from that in 4 important areas: 1. The belt is driven much slower than normal. 2. The light is not just for seeing what you are doing, but evaluating the edge of a blade. (Light hitting a dull edge shines back at you. A sharp edge directs light away from you.) 3. The belt moves from bottom to top. Its better for sharpening and it's a great safety feature – you can't jam a object between the belt and the support. 4. This is the neatest one – the belts track perfectly because the top pulley pivots *sideways* directly under the centreline of the belt. Belts track so well that you run them half way off the pulleys and they stay there. Very cleverly done, Sir.



Thess are from James' toolbox. All were sharpened or reconditioned with his belt device. You can see James likes making his own handles too



James finds bed frames for the angle iron pieces because they have properties he likes. He ended up with a lot of the brackets that the castors go into. He found a use for them. When mounted upside down, they are the perfect size and shape to insert a lamp like the white one in this picture. Having several places to mount the lamp is quite convenient.



**Joe Pietsch** had yet another book to review for us, this time about the building of the Brooklyn Bridge. So what does that have to do with metal? Well the cables holding all the concrete and stone together are 1,000s of metal wires. The company making the steel wires was cheating by delivering a substandard product and pulling some sneaky stuff to cover it up. The builder did not live to see the completion. So the book is not just about the bridge, but its about people.

Title: "The Great Bridge"  
 Author: David McCullough  
 ISBN# 0-671-21-213-3.

## NEW MEMBER

Dennis Tucker found us through Home Shop Machinist's magazine. His goal as a new member is "to find out about and explore metal working as a hobby." We understand that very well, indeed.. In his day job, he is a contractor.

## WELCOME!