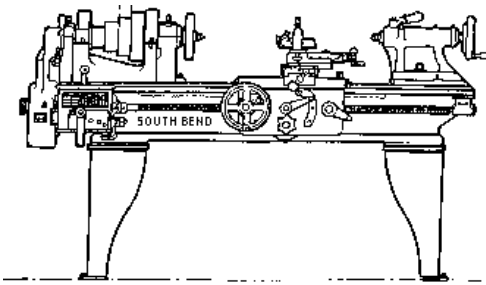


Home Metal Shop Club



Volume 12, Number 8 - August 2007

Journal of the Home Metal Shop Club of Houston, Texas. See back page for meeting information.
President – John Hoff, V. Pres.- Gene Rowan, Treasurer – Emmett Carstens, Secretary – Richard Daugird
Webmaster/Newsletter – George Carlson

Membership Information

Membership is open to all those interested in machining metal and tinkering with machines. The purpose of the club is to provide a forum for the exchanging of ideas and information. This includes, to a large degree, education in the art of machine

tools and practices. There is a severe shortage of written information that a beginning hobbyist can use. This makes an organization such as this even more important.

HMSC July 14, 2007 General Meeting, Collier Library, Houston, TX

34 Members attending. with three guests: Bert Freeman, James Bushman, and Uriah Urick. John Hoff, president, presiding.

Presentation:

Gary Clayton, cutting tool engineer, with Valenite Corp gave a presentation on flood cooling. He discussed the principal effects of various types of cutting fluids, viz., cooling, corrosion protection, bacteria control, foam reduction, and machine lubrication. The three types of fluids discussed were: pure oil, soluble oil, and synthetics. He emphasized that the cooling effect was mainly to remove the heat from the tool and work-piece and put it into the chips and coolant.

Election of Club Officers

The new officers for 2007-2008 are:

President:	John Hoff
Vice President:	Gene Rowan
Treasurer:	Emmett Carstens
Secretary:	Richard Daugird
Webmaster:	George Carlson
Librarian:	Dennis Cranston
Casting SIG Coordinator	Dennis Cranston
Novice SIG Coordinator	Rich Pichler



Gary Claton
Valenite Presentation

After the meeting

Rufus Wheat of Rutland Tool Co. distributed some technical wall charts and told us of a 10% discount available at his store for club members.

Meet Our New Officers



John Hoff President



**Gene Rowan
Vice President**



Rich Daugird Secretary



Emmett Carstens Treasurer



**George Carlson
Web Master**



**Dennis Cranston Librarian
& Casting Sig Coordinator**



**Rich Pichler
Novice Sig Coordinator**

Show and Tell at the July Meeting

Jan Rowland and George Carlson showed projects that they have been working on. Jan has been making parts for Kaleidoscope. Jan has a friend in California that makes the devices, but he asked Jan to give him a hand with making some of the parts. Jan is building the bearings and cell assemblies. Here's a couple of photos:



George is up to his metal bending tricks again. This is a press brake designed to use in the shop press. Both top punches and bottom dies can be swapped to fit the need. One top punch is a heavy duty punch capable of bending 5/16 steel. The other top punch has movable fingers, so it can be used as a box brake. He showed several bottom dies from a heavy duty die made from 1" CRS, to steel and urethane conventional dies. Also he showed how a piece of urethane can be used as a die to produce shapes that precisely match the shape of the punch. He is promising to write an article with shop drawing how to make your own press brake.



Notes from the editor

I used to do the newsletter when the club first started, 11 years ago. So I'm have to learn the ropes again, but it should be fun. I dug through my old files and found a newsletter from about ten years ago. That became the template for this newsletter.

I've had some good news/bad news. Some of you may remember the TIG pulser I brought to the meeting a couple months ago. It was just one of those wild hare, on the side type of projects. The good news is that a couple of welding supply companies really liked it. The bad news is they ordered over twenty units and want them ASAP. So my spare time has been spent bending chassis and stuffing circuit boards. I'm going to have to get a little bit better organized, so I can farm out some of the work. BTW, (for you electronic nerds) I found an excellent supplier of circuit boards located in China. I emailed the Gerber files to them on a Wednesday morning. The quote came back within 10 minutes. I paid them via Paypal, and the boards arrived FedEx the following Wednesday morning. Amazing. In town, the normal turn around time is 3 weeks. These guys did it in less than a week and charged 1/4 of what a local fab shop wants. I call that impressive. If you would like the name of the board shop, email me. Don't forget to come to the next meeting. It will be August 11 at the library, See you there.

Some photos from the July meeting



Home Metal Shop Club General Meeting 7-14-2007

