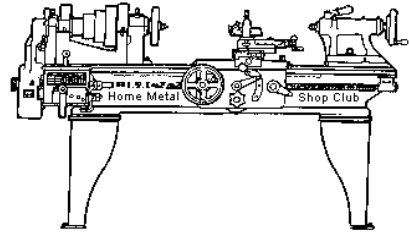




September 2023
Newsletter

Volume 26 - Number 09



<http://www.homemetalsclub.org/>

The Home Metal Shop Club has brought together metal workers from all over the Southeast Texas area since its founding by John Korman in 1996.

Our members' interests include Model Engineering, Casting, Blacksmithing, Gunsmithing, Sheet Metal Fabrication, Robotics, CNC, Welding, Metal Art, and others. Members enjoy getting together and talking about their craft and shops. Shops range from full machine shops to those limited to a bench vise and hacksaw.

If you like to make things, run metal working machines, or just talk about tools, this is your place. Meetings generally consist of **general announcements**, an **extended presentation** with Q&A, a **safety moment**, **show and tell** where attendees share their work and experiences, and **problems and solutions** where attendees can get answers to their questions or describe how they approached a problem. The meeting ends with **free discussion** and a **novice group** activity, where metal working techniques are demonstrated on a small lathe, grinders, and other metal shop equipment.

President <i>Vacant</i>	Vice President <i>Ray Thompson</i>	Secretary <i>Joe Sybille</i>	Treasurer <i>Joe Sybille</i>	Librarian <i>Ray Thompson</i>
Webmaster/Editor <i>Dick Kostelnicek</i>	Photographer <i>Vacant</i>	CNC SIG <i>Martin Kennedy</i>	Casting SIG <i>Vacant</i>	Novice SIG <i>John Cooper</i>

This newsletter is available as an electronic subscription from the front page of our [website](#). We currently have over 1027 subscribers located all over the world.

About the Upcoming 14 October 2023 Meeting

The next general meeting will be held 14 October 2023 at 1:00 P.M. on-line at Zoom.us. Log-in credentials are as follows: Meeting ID = 870 3390 1694 Passcode = 314379

General Announcements

[Videos of recent meetings](#) can be viewed on the HMSC website.

The HMSC has a large library of metal shop related books and videos available for members to check out at each meeting. These books can be quite costly and are not usually available at local public libraries. Access to the library is one of the many benefits of club membership. The club has funds to purchase new books for the library. If you have suggestions, contact the [Librarian Ray Thompson](#).

We need more articles for the monthly newsletter! If you would like to write an article, or would like to discuss writing an article, please contact the [Webmaster Dick Kostelnicek](#). Think about your last project. Was it a success, with perhaps a few 'uh ohs' along the way? If so, others would like to read about it. And, as a reward for providing an article, you'll receive a free year's membership the next renewal cycle!

Ideas for programs at our monthly meeting are always welcomed. If you have an idea for a meeting topic, or if you know someone that could make a presentation, please contact [Vice-President Ray Thompson](#).

Members are requested to submit to the club secretary the name, address, telephone number, and website address, if any, of any metal or other material stock supplier with whom the member has had any favorable dealings. A listing of the suppliers will appear on the homepage of the club website. Suppliers will be added from time to time as appropriate.

The club is looking for a member to serve as webmaster. After over ten years of service, our current webmaster would like to pass the webmaster torch to a successor. Also, the club is looking for a volunteer to serve as president.

Recap of the 09 September 2023 General Meeting

By *Joe Sybille*

There were 12 participants attending the 1:00 P.M. meeting. Seven participants were in person and five attended the meeting via Zoom. Secretary Joe Sybille led the meeting.



Presentation



Member Rich Pichler gave a presentation on drill bits and various work holding devices he made to use with both his bench top drill press and his floor mounted one.

Pichler began by showing several types of drill bits. He had a handout depicting drills of many types.

Afterwards, he showed several accessories he made for work holding. Additionally, he discussed making accurate punch marks for locating where on the workpiece to drill required holes. See photos below.



Show and Tell

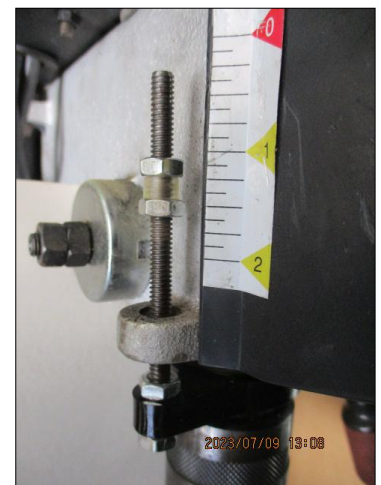
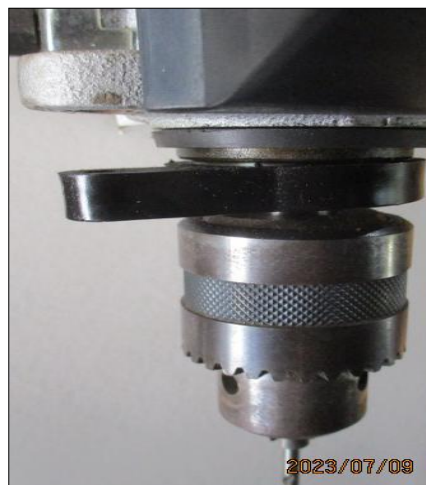
Wilfred Nijs showed pictures of his repair of the clutch assembly of his 60 year old tractor. See photos below.



Richard Douglas showed the operation of the power feed on his bench top mill, several pieces of aluminum stock he acquired recently, and a new to him floor mounted drill press. See photos below.



Joe Sybille showed pictures of the internal gearing of a battery powered drill. Also, he show pictures of a depth stop adjustment added to a bench top drill press. See photos below.



Safety Moment

A participant revealed two levels of eye protection are required when grinding metal, safety glasses as well as a face shield.

Problems and Solutions

A participant explained how he replaced the quill bearings in his bench top mill. See photo at right.

Another participant shared the problems he encountered using neutral colored zip-ties to hold two metal parts together. The parts were not under tension or compression. The excessive atmospheric heat contributed to the deterioration of the zip-ties and the subsequent loss of one of the metal parts.

