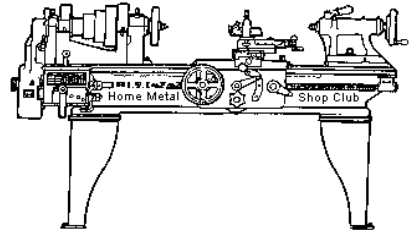




**October 2023**  
Newsletter

Volume 28 - Number 10



<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 11 November 2023 Meeting

The next general meeting will be held Saturday, 11 November 2023, at 1:00 P.M. at TxRxLabs, 6501 Navigation Blvd., Houston, Texas 77011 **and** virtually on Zoom.us. Meeting ID = 812 0818 6818 Passcode = 185606.

## 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 10 October 2023 General Meeting

By Dick Kostelnicek

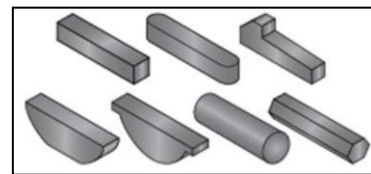
There were 6 participants attending the 1:00 P.M. meeting via Zoom. Webmaster Dick Kostelnicek (left photo upper right inset) led the meeting.

## Presentation



Member *Dean Eicher* gave a presentation on two specific fasteners. Namely: Cotters and Keys.

A key prevents a wheel from rotating with



respect to a shaft upon which it is mounted. Examples are straight and Woodruff keys.

A cotter also prevents lateral or sliding movement of a



wheel along a shaft. Examples are straight and hairpin cotter.

## Show and Tell



*Dick Kostelnicek* showed an electronic lock that replaced the dead bolt on the door between his living area and shop. Aside from keyless entry, it automatically locks after a specified delay.

He also mentioned a possible problem when using 2-part squeeze tube epoxy. Take care not to switch caps when replacing them on the tubes after use.

Also mentioned was his use of small plastic wine cups that he recovered after use for communion in church for mixing and disposing small amounts of two part epoxy.

Also he keeps his Gorilla or polyurethane glue in the freezer to prolong its' use. Of course it must be brought to room temperature to be used.

Additionally, he keeps his supply of batteries in the refrigerator both to extend their shelf life, as a chemical reaction advances slowly at lower temperatures, and to provide a one stop place to find a battery when needed.