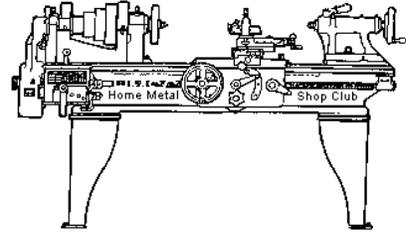




## May 2022 Newsletter

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<http://www.homemetalshopclub.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>Vance Burns</i>	Vice President <i>Ray Thompson</i>	Secretary <i>Joe Sybille</i>	Treasurer <i>Gary Toll</i>	Librarian <i>Ray Thompson</i>
Webmaster/Editor <i>Dick Kostelnicek</i>	Photographer <i>Jan Rowland</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 June 2022 Meeting

The next general meeting will be held on 11 June 2022 at 1:00 P. M. at TxRxLabs, 6501 Navigation Blvd., Houston, Texas 77011 and on-line at Zoom.us. Log-in credentials are: Meeting ID 897 6956 2898 . Pass code 023343 . Richard Douglas and Martin Kennedy will give a presentation on Carbide Inserts. Unique about this presentation is that Douglas will appear virtually from North Carolina and Kennedy will appear in person.

## 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 who 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.

## Recap of the 14 May 2022 General Meeting

By Joe Sybille



Ten participants attended the virtual meeting. There were no visitors. President Vance Burns led the meeting (right photo).



## Presentation

There was no presentation today.

## Show and Tell

Norm *Berls* showed a part he is making for his lathe cross slide. Also, he is making a brass gib. See photos at right.



*Rich Douglas* exhibited a shop apron from Blue Ridge Parkway. See photo at left.



*Steve Briggs* spoke of his efforts to machine an e-cigarette. He wants to demonstrate how the newfangled devices work to make smoke.

## Safety Moment

A participant removing grout in his bath room tiles created much dust in the process. He thought the Covid type mask would offer sufficient protection from the dust. It did not, for the particles were too fine. He recommends creating a negative pressure in the space with an exhaust fan in the window.

While using a chisel to work on a tile floor, another participant accidentally cut himself when the chisel slipped.

A participant described how he uses timers on shop tools to turn off equipment when unused for lengthy periods.

The safety video depicted a motorcyclist inadvertently lassoed by a person tossing a rope across the roof of a car to secure an object. The passing motorcyclist sustained non life threatening injuries.

## Problems and Solutions



A participant has a 9x20 hobby bench lathe that suffers from a lack of rigidity. The lack of rigidity stems from the compound slide which lacks a locking screw. See photo at right.

To resolve the rigidity problem the participant plans to drill and to tap into the compound slide three additional screw holes. Two of the holes will add rigidity to the slide. The third will serve as a locking screw.

The photo at left shows a bottom view of the compound slide. The gib rides in the dovetail on the side closest to the viewer. The participant plans to replace the rectangular cast iron gib with one made of brass and fitted to the dovetail. This cast iron gib has a slot to prevent it from sliding back and forth, but does little to keep it from sliding up and down. The sliding up and down may contribute to the lack of rigidity of the compound slide.



One of the photos at right depicts the current gib. The other depicts where the brass gib, when milled, will fit in the dovetail.

