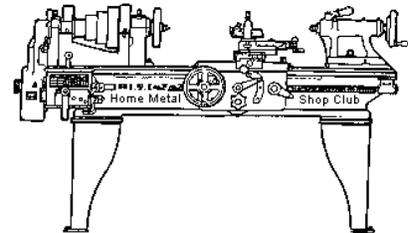




**September  
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Newsletter

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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 October Meeting

The next general meeting will be held on 08 October 2022 at 1:00 P. M. at TxRxLabs, 6501 Navigation Blvd., Houston, Texas 77011 and on-line at Zoom.us. Log-in credentials are as follows: Meeting ID = 875 3330 6699 Pass code = 632149. Member Phil Lipoma will update us on the construction of his Corliss model steam engine build.

## 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 10 September 2022 General Meeting

By Joe Sybille



Ten participants attended the meeting. President Vance Burns led the meeting (right photo).



## Presentation



Former club president George Carlson gave a presentation on the current state of affairs of The MakerBarn, a maker space founded in 2016 by Carlson and several associates. Carlson serves currently as director and president of the Maker Barn.

A recent move to a new location offered more floor space to enhance the creativity at the maker space. There is now over 6,000 square feet of floor space for activities and for equipment. Available activities include, among others at the maker space, metalworking, woodworking, leather crafts, 3D printing, laser etching and cutting, applying logos on Tee shirts and mugs, building electronic projects, embroidery, and other crafts using sewing machines and sergers. See photos below.



Membership at the maker space is about 200, with about 50 persons on a wait list to join the organization. Membership is purposely limited to minimize wait time to use the equipment. Since moving to the new location, there has been an increase in the number of ladies joining to use the well equipped sewing center. The organization is run by volunteers. There is no paid staff.

Shop managers are on duty in the metalworking shop and woodworking shop to ensure the equipment is used safely. Before using certain machines, users must demonstrate proficiency to the shop managers. Once that is done, users will have their machine access control card updated, which allows the user to operate the machine without manager supervision.

For more information about the organization [visit the website](#).

## Show and Tell

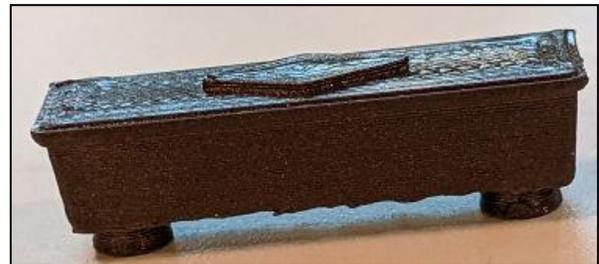
*George Carlson* showed pictures of a lathe chuck mounted on a rotary table mounted on a mill table. Also, he showed a picture of a laser interferometer he designed and built. The interferometer measures small items, really small items. The tool can make measurements with a resolution of about 4 millionths of an inch. For this tool, a strand of human hair is a large item. See photos below.



*Richard Douglas* showed pictures of vintage steam engines used for unknown purposes. See photos below.



*Mike Winkler* exhibited a 3D printed knob for his metalworking toolbox. See photo at right.



## Safety Moment

A participant described how he almost took a shortcut to reach a bucket left on the roof of his one level garage. He wanted to save time fetching the ladder he had put away after clearing the gutter of leaves. Upon giving the matter a second thought, he decided against climbing onto a nearby garden workbench to reach the bucket. The safety lesson here is to always do the proper task rather than take a shortcut.

Another participant recounted a news report of an airport baggage worker sustaining a severe injury to the scalp. The worker had long hair that became entangled in the baggage conveyor mechanism. The safety lesson here is to avoid exposing long hair to mechanical systems that could grab and pull the hair. This same participant recounted an incident he witnessed of another person whose long hair got caught in a wire spool winder. Like the baggage handler this person sustained a severe injury to the scalp.

A safety video depicted a hair stylist commencing to blow dry a customer's hair that had previously received an application of a chemical of some sort. Upon switching on the hair dryer, an explosion ensued causing injury to the stylist and to the customer.

Another video depicted a worker, while standing in front of a car with the motor running, reaching into the engine compartment ostensibly to make an adjustment. Suddenly, the car lurched forward trapping the worker between the wall of a building and the front of the car. The safety lesson here is to work from the side of the car when the motor is running. Fortunately for this worker, there were others nearby who were able to get behind the steering wheel and back the car away from the worker.

## **Problems and Solutions**

A participant wanted to know if it was possible to repair a broken jeweler file by welding. Several suggestions were offered, including replacing the file.