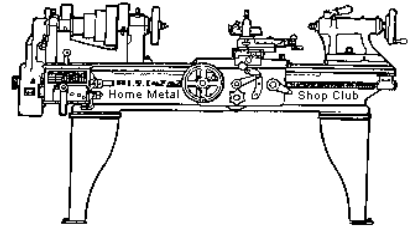




July 2025
Newsletter

Volume 30 - Number 07



<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.

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Dean Eicher

Vice President
Vacant

Secretary
Joe Sybille

Treasurer
Joe Sybille

Librarian
Mark Counterman

Webmaster/Editor
Dick Kostelnicek

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CNC SIG
Martin Kennedy

Casting SIG
Vacant

Novice SIG
John Cooper

This newsletter is available as an electronic subscription from the front page of our [website](#). There are over 1027 subscribers located around the world.

About the Upcoming 09 August 2025 Meeting

The next general meeting will be held 09 August 2025 at 12:00 P.M. (Noon) on-line at Zoom.us. **There will be no in-person attendance for this meeting.** Log-in credentials are as follows: Meeting ID = 894 4550 5675 Passcode = 719562.

General Announcements

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 Mark Counterman](#).

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 [Secretary Joe Sybille](#).

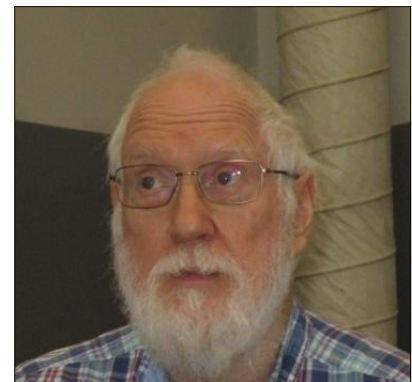
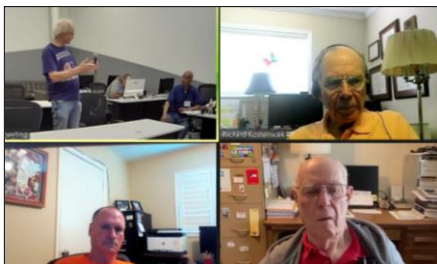
Members are requested to submit to the club secretary the name, address, telephone number, and website address, if any, of any metal or other material stock supplier with whom the member has had any favorable dealings. A listing of the suppliers will appear on the homepage of the club website. Suppliers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

The club is looking for a member to serve as webmaster. After over twenty years of service, our current webmaster would like to pass the webmaster torch to a successor. Dean Eicher has agreed to serve as club president. Thanks Dean. Positions still vacant are vice-president and casting special interest group leader.

Recap of the 12 July 2025 General Meeting

By Joe Sybille

Seven participants attended the 12:00 P.M. meeting at TxRxLabs. Four participants were in person and three participants attended virtually. Dean Eicher led the meeting (right photo).

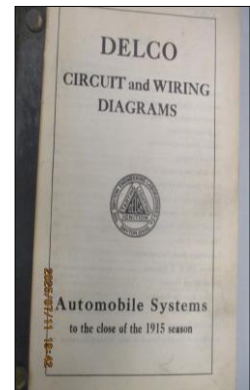
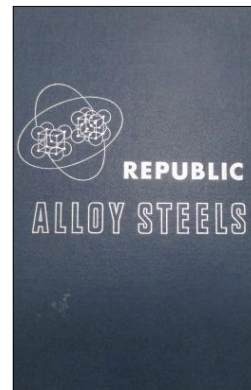


Presentation

Another video on TIG welding a boiler for model railroad engines served as the presentation for today. A detailed welding procedure, if followed, contributes to the overall success of the boiler assembly. The presenter emphasized proper PPE, especially an auto darkening welding helmet, and the care and use of the TIG welding torch. For tapping holes in a stainless steel boiler, 60% thread engagement has proved successful for the presenter. See the link: https://www.youtube.com/watch?v=k3THIsRi6_A

Show and Tell

Dean Eicher exhibited two vintage books. One book served as an instruction manual for repairing electrical components in automobiles. The Dayton Engineering Laboratories Company printed the book. The other book provided metallurgical properties of assorted alloy steels. See photos at right.



Joe Sybille showed examples of repurposed bearings he would like to use in a



future project. Four of the bearing came from discarded wheelbarrow wheels. The smaller bearings were salvaged from a broken printer. See photos at left.

Safety Moment

A participant cautioned those present to stop working in the shop when tired. Making that last cut or tapping that last hole when tired often leads to a ruined part. It is best to resume working on the part when refreshed.

Problems and Solutions

A participant sought ideas on the recommended tolerances for press fitting a bearing into a recessed hole. Several suggestions were offered, including one to dimple the periphery of the hole if it is too large. The dimples will deform the hole to make it smaller, thereby improving the chances for a better press fit.