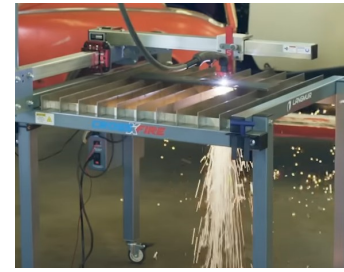


# SCHSM

Southern California Home Shop Machinists



Langmuir CNC plasma cutting table  
(see last page)

## Club Officers:

President:  
Douglas Walker

Vice President:  
Michael Miller

Treasurer:  
Frank Schettini

Secretary:  
Butch Sherrick

Ron Gerlach  
Webmaster

Larry McDavid  
SCHSM groups.IO Manager

## Club Events:

International Printing  
Museum tour  
Date and time:  
Sat., April 8, 10:00 A.M.  
Location:  
315 Torrance Blvd.,  
Carson, CA.  
Cost: \$12 regular admis-  
sion / \$10 Seniors

Annual Club auction/sale  
At August club meeting

## SCHSM Newsletter April 1, 2023

**Call to Order:** Club President Douglas Walker called the meeting to order at 2:31 p.m. (technical problems delayed the start of the meeting). The April 1, 2023 meeting of the Southern California Home Shop Machinists was held both live at El Camino College and online via Zoom. Ten members attended the meeting on Zoom and approximately 15 attended in person. No visitors or new members were in attendance.

## Club Business

Club Treasurer Frank Schettini gave a report on the state of the club's finances.

Doug Walker reminded members about the tour of the International Printing Museum on Saturday, April 8, at 10:00 A.M. Doug also let members know that Don Huseman generally has an informal "meet and greet" about noon at the McDonald's restaurant across the street for those that wish to attend.

Doug also opened up the discussion about whether or not the club needs to be listed as a 501(c)(7) organization. Bill Heather has experience on the subject, and it was agreed to discuss it offline.

## Upcoming Events

### International Printing Museum Tour (Meet at the museum)

Date: April 8<sup>th</sup>, 2023, 9:45 a.m.

Location: 315 W. Torrance Boulevard  
Carson, CA 90745

Website: [www.printmuseum.org](http://www.printmuseum.org)

17 members have signed up.

Admission: \$12.00 per person, \$10.00 for Seniors

### Antique Engine and Tractor Show

Date: June 17-18, 2023 / June 24-25, 2023

Location: Antique Gas & Steam Engine Museum  
2040 N. Santa Fe Ave., Vista, Ca. 92083

Website: [www.agsem.com](http://www.agsem.com)

(No plans for a formal club display/gathering as of this time.)

### BAR-Z Summer Bash

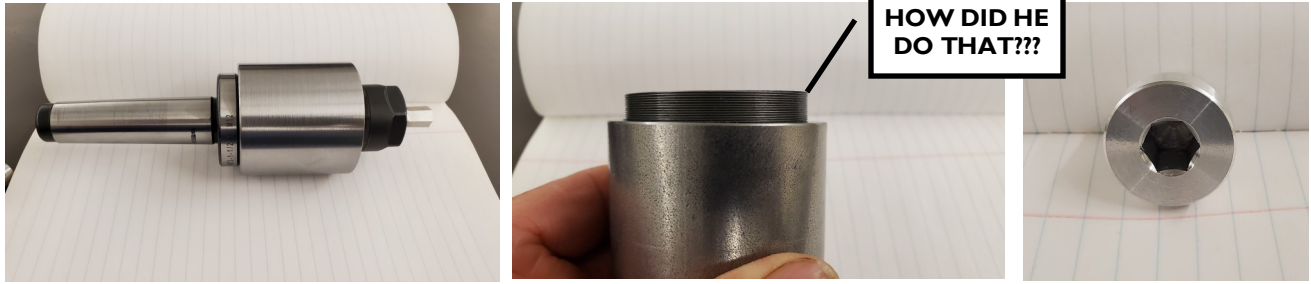
Date: Last weekend in June (See website for exact dates)

Location: Rancho Cucamonga, CA

Website: <https://barzindustrial.com/summer-bash>

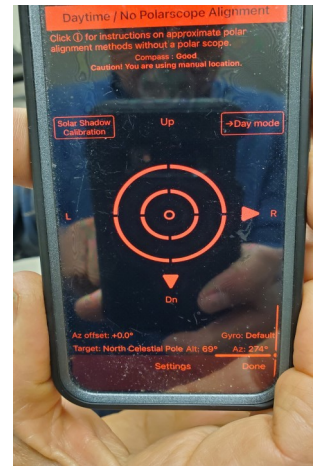
**SCHSM Club auction/sale**—August 5 meeting

## Show and Tell



When Bill Nelson needed a broach larger than the Hemingway rotary broach kit he had already built, he designed and built the rotary broach you see here (left photo). The center photo shows the slight angle of the threads, which gives the broach a “wobble” when rotated, causing it to drive the broach into an existing hole. The photo at right shows a hex hole created by the broach.

Don Huseman shared a smart phone mount he made for the top of his telescope. The smart phone uses an app to locate celestial objects. While stargazing, Don uses the two in conjunction to quickly align his telescope.



Don also shared a vertical milling attachment he has for his lathe. These devices mount in place of the compound slide, and give the lathe a small amount of milling capability. In conjunction with the travel of the carriage and cross-slide, they can translate the part linearly along three axes, and rotate it on two axes. Often when using these attachments, a drill chuck or milling cutter holder is placed in the taper of the lathe spindle instead of mounting a 3 or 4-jaw chuck.



## Show and Tell (cont.)

John Miller discussed his success with using cold galvanizing. Cold galvanizing is a zinc-rich anti-corrosion coating that is applied like spray paint. It is very easy to use and effective.

As part of the cold galvanizing discussion, where to buy it came up, and Larry McDavid suggested McFadden-Dale Hardware. Per Larry and others who have gone there, they are a serious hardware store with quality products. Their Southern California locations include Anaheim, Corona, Ontario, and Santa Ana.

Ron Gerlach voiced a thank you to Chuck Norton for the aluminum sheet pieces that he donated to the members at various meetings. THANKS CHUCK, from all of us!

Michael Vulpillat, who does blacksmithing as one of his hobbies, said he heard good things about the Doyle 65 lb. cast steel anvil offered by Harbor Freight. On their website it is shown as a NEW item, and lists for \$139.99, but HF is known for sending out discount coupons on a regular basis.

Don Huseman talked a bit about Black Holes and vacuum energy. We are placing bets on whether or not he will do a presentation of his lathe's vertical milling attachment at his Astronomy Club meeting. Stay tuned!

Ken Rector, Matt Rulla, and Don Huseman discussed blades for their Craftsman horizontal band saws (made by Clausing). Don recommended Starrett blades, as he had problems with the cheaper ones falling off. Matt recommended blades from L.A. Cutting Products, which he stated he's had great success with. He says he uses .025" thick blades.

Butch Sherrick confirmed with Doug Walker that the annual club auction/sale will be held at the August meeting. Everyone is encouraged to bring their extras to sell, their cash to buy, and their largest vehicles to haul it all home!

Don Huseman reminded everyone about the Bar-Z Summer Bash, which per their YouTube channel will be the last weekend of June.

Matt Rulla asked if anyone had used copper sulphate to coat metal for scribing instead of Dykem. In a subsequent email conversation he confirmed that he tried it with great success. The copper coating took the scribe well and stood up against the heat of grinding. This copper coating was the result of a chemical reaction with the iron in the steel, not electroplating, as no electricity was involved.

**When and where we meet:**

First Saturday of every month,  
2:00 p.m.

El Camino College  
Classroom AJ115  
1st Floor of the Industry and  
Technology Building  
16007 Crenshaw Blvd  
Torrance, CA 90506

The building is near Parking Lot  
B. Enter the campus from  
Manhattan Beach Blvd.

**We're on the Web!**  
[www.schsm.org](http://www.schsm.org)

## This Month's Featured Equipment (from top of first page)

Member Millar Farewell's Langmuir Systems CNC plasma cutting table. It features a work envelope of 25.3"(X) x 23.3"(Y) x 3.0"(Z), with cutting speeds up to 300 inches per minute. The stated motion accuracy is .002" per 12", with a step resolution of .0005". In the photo, Millar is on the left, with Club Treasurer Frank Schettini on the right.



Each month the newsletter will feature a brief description of a different piece of member-owned equipment. Members are encouraged to participate by emailing a few photos and a brief description to Butch Sherrick, club Secretary. The equipment can be new or old, perfect condition or a scrap-yard find. The intent is to share knowledge, generate interest, and encourage conversation between members.

## Participation

SCHSM welcomes presentations by members or guest speakers on any subject related to metal working activities. If you have some knowledge or experience you feel may be of interest to our members, or if you know someone who may have something interesting to relate, please consider making a presentation at a meeting.

Presentations may be a little longer and more detailed than a Show and Tell, and may be accompanied by slides, video, or physical displays. Probably every member has some experience they can share, and this is the purpose of SCHSM. Please contact President Douglas Walker to make arrangements to give a presentation.

If you would like to contribute an article to this newsletter or make a comment, contact the Secretary, Butch Sherrick. He can be reached via the SCHSM Groups.io Group.

Please note that presentations submitted for the newsletter may be edited for brevity. To enjoy the entire presentation members are encouraged to attend the monthly meetings.