



SCHSM

Southern California Home Shop Machinists

January 3, 2015

OFFICERS

President	Frank Kozlowski
Vice President	Charles Angelis
Secretary	Ken Rector
Treasurer	Jim Endsley

COMING EVENTS

February Meeting
February 7, 2015
2:00 P.M.
El Camino College
Election of officers
Trig lesson, bring calculator

Zephyr Tool Tour
February
Date and time TBA

Picnic
July 13
Alondra Park

The January 2015 meeting of the Southern California Home Shop Machinists convened as usual at El Camino College on January 3rd at 2:00 P.M. There were 34 members present. There were no new visitors.

President Frank Kozlowski announced that the usual picnic area had been reserved at Alondra Park for the annual club picnic on June 13th this year.

Frank reminded the members that the yearly election of officers will be held at the February meeting. He encouraged members to step up and volunteer for the officer positions. Paul Chretien initiated a discussion concerning the need for officers, their contribution to the club and the responsibility of members to serve as officers. The discussion was lengthy as members expressed their ideas about the president's responsibilities and obligations. There was also a discussion about meeting content and ways to make the meetings appealing to all members. Finally, it was decided that the current officers are to act as a nominating committee to find a slate of nominees and to expand this committee with any members who wish to help in the selection of nominees.

During the discussion members offered suggestions about the kinds of presentations we have and how we could improve them. It was suggested that we have a list of members who are willing to make a presentation, and that group presentations might be useful.

Our faculty sponsor, Ed Hoffman, reported that we will be meeting in the new classroom in the basement of the Machine Shop building in February. He said that not all doors would be unlocked and we should use the door and stairway in the North East corner of the building. In the event that all doors are locked, we should come to the Communications Building, COMM101. Newer members that are not familiar with the Machine Shop building can find their way by watching for the SCHSM signs along the campus paths.

Norm Wells donated a book titled, "Workshop Tool and Accessory Plans" by Norwood L. Snowden, 1985, for auction for the benefit of the club.



Larry McDavid spoke about the SCHSM Yahoo Group. He pointed out how members can distribute pictures, poll other members and participate in discussions through the group forum or email. He stressed the security of the group and the low likelihood of exposure to spammers. Larry also told of LED shop lights available at Costco. These are fixtures with two 27 watt LED strips equivalent to 40 watt fluorescent lamps.

Paul Chretien described how he made a replacement drawer for a Snap-On tool box he found at a swap meet. Paul passed around an example of the bent sheet metal formed to make the

drawer front. He also showed a wooden hammer form he used to make the end pieces for a lid for another tool box. He showed us the end cap he made and described how the form was used. The turned over edge of the end cap was shrunk using a hand shrinking tool. The end cap was very neatly done and looked exactly like a factory made unit. Paul contributed these comments; "Tool boxes missing drawers and tops are often available at garage sales and swap meets at bargain prices. Attached is a picture of the sheet metal drawer I made for such a circumstance. I am also including a picture of the Hammer Form. The Hammer Form was used to fabricate the side panels of a Tool Box missing its lid. Hammer forming sheet metal is often a simple and direct method to fabricate a panel into shape. It basically is an abbreviated Die Form where the hammer is substituted for the press and the form pastern is one surface instead of two (one male and the other female). My Form is made of wood. A strip of metal was fixed to the edge of the form in the area subjected to heat and hammering. As the metal began to conform to shape, some form of metal shrinking was required. I used a hand operated Shrinker to reduce the surface area where necessary, however there are other options including heat shrinking, hammer off-dolly."

Jim Endsly described how he made a circular paper pattern with seven divisions which he used to drill a base plate for an antique vacuum tube. The vacuum tube and base concealed a usb connector for mounting a thumb drive. The clever looking contraption was a gift for a friend.

Jim Long continues to work on tuning up the Deckel T&C grinder clone. He showed an example of the original chinese tool holder plate which did not fit as delivered. Even after grinding a relief in the plate to make it fit, its appearance and fit was still so bad Jim made a

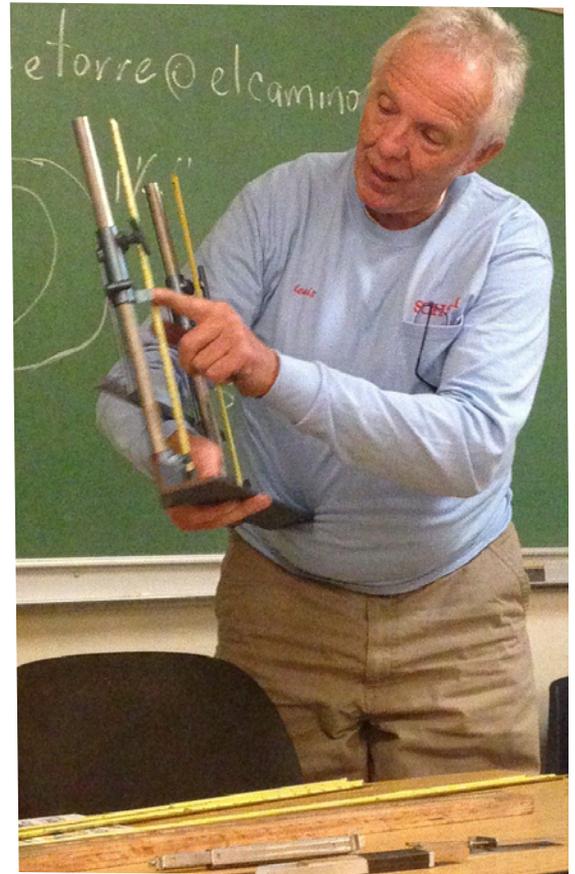


complete replacement. Jim has spent a lot of time making this tool serviceable and plans on writing an article for HSM to describe the work. Comparing the original plate with Jim's replacement illustrates why this machine is offered so cheaply compared with the original. However, if one is willing to do a little work, as Jim has, this can become a very nice tool.

Lewis Sullivan showed how he has used salvaged tape measure blades for several shop made tools. He brought in a back gage for a shear which incorporates two blades to set the distance from the blade to the fence. He also made a very handy inside rule for measuring the distance between joists on a job he was doing. The tool is held together with a bicycle inner tube band. Lewis lets nothing go to waste around his shop and job sites.

The February meeting will include some trigonometry exercises. Members are reminded to bring their calculators.

Plans are still being made for a tour of the Zephyr Tool manufacturing facility in Inglewood. Zephyr Tool designs and manufactures specialized tools, screwdriver bits and fasteners for the aerospace and industrial tool industries. The company occupies a block of buildings at Florence and Hindy Avenues. The shops include CNC equipment, automatic screw machine and manual machine operations. The tour would be on a weekday and members favored a date in February. We will make arrangements for the date and time with the company and present them at the February meeting.



The club 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 that 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 or video, or physical displays. Probably every member has some experience they can share and this is the purpose of the SCHSM. Please contact President Frank Kozlowski to make arrangements to give a presentation.

The SCHSM meets in Communications Building (COMM) basement classroom COM101, of El Camino College, 16007 Crenshaw Blvd. Torrance California, at 2:00P.M., on the first Saturday of every month. The building is near Parking Lot C. Enter the campus on Manhattan Beach Blvd.

If you would like to contribute an article, to this newsletter, please contact the editor, Ken Rector, via the SCHSM Yahoo Group, or at kdrhoo@yahoo.com.

Find us on the web at www.schsm.org.