



SCHSM

Southern California Home Shop Machinists

December 3, 2016

OFFICERS

President	Michael Vulpillat
Vice President	Frank Schettini
Secretary	Ken Rector
Treasurer	Jim Endsley

COMING EVENTS

January Meeting
January 7, 2017
2:00 P.M.
El Camino College

February Meeting
February 7, 2017
2:00 P.M.
El Camino College

Picnic
June 10, 2017
Alondra Park
Manhattan Beach Blvd.

Preface

The December monthly meeting of the Southern California Home Shop Machinists convened at 2:00 P.M. on Saturday, December 3, 2016 in classroom AJ115 on the first floor of the Industry and Technology Building at El Camino College in Torrance California. There were 33 members in attendance.

Picnic

Jim Endsley has reserved our favorite spot for the annual picnic in Alondra Park for June 10, 2017. I can hardly wait for another go on John Miller's bungee powered sled.

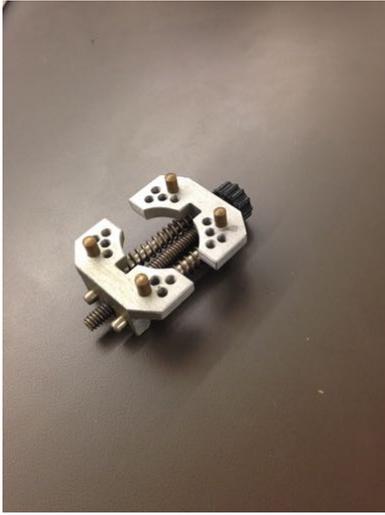
Doug Walker passed out flyers and spoke about the annual Gunther's Yard event to take place the next day, Sunday the 4th.. Several members substantiated Doug's praise about the popular event and said they planned to attend.

Presentations

Jim Endsley gave a presentation titled, "How an HSM makes a Mask From a Lamp Shade". Jim helped his wife by adapting a conical lampshade into a rotatable mask. The mask will be worn by the Mayor in the play, "The Nightmare Before Christmas" The mask is worn on the actor's head supported by two wooden dowels attached to an aviator cap. It can be rotated by the actor to display either of two faces, a handsome face, or an ugly face, to depict the character of the Mayor. Jim showed how he modified the lampshade with a rotating framework.



Lewis Sullivan told about how he made a canopy to shelter his D4 Caterpillar Bulldozer using a rack from an old glass truck. Lewis needed to extend the length and height of the rack which was made from steel tubing. He described how he welded tubing extensions using ring backup plates inside the joints and modified vise grips to clamp the tubes during welding. He used a clever pi ruler to find the circumference of his tube parts. He fabricated all the small straps and plates for the project instead of buying



commercial items. He brought in a Diacro bender used to bend small parts. Lewis passed around a catalog from Totten Tubes which he said was a very good firm to do business with.

Ron Gerlach gave a presentation on how he finished a piston for his 6HP Fairbanks Morse Model Z engine. Ron purchased a cast iron casting several years ago for the project. He showed slides of the lathe and mill work operations to finish the rough casting to fit his engine.

Show and Tell

Fred Bertsche showed a video of the club Stirling engine first running at the Little Machine Shop Open House. The engine project began last February and the engine was running in October. The project is not quite complete as the fan and drive assembly needs to be finished.

Fred is doing some maintenance on the club Farm Boy engine. He found the cylinder liner was misaligned causing the wrist pin and piston to be starved of lubrication. Excess carbon buildup seemed to be the cause for the

piston to become tight during running. Fred is going to correct these problems to make the Farm Boy as good as new.

Norm Wells showed a watchmakers vise, a puller for faucet handles and soft jaw pliers for plumbing work.

A stack of Model Engineers Workshop manuals was sold at auction.

President Michael Vulpillat told about refurbishing his gas barbecue. He showed a very nice stainless steel burner assembly that should last a long time.

Mike Jacob offered his archive of Live Steam magazines from 1992 through 2016 for sale.

Dan Snyder showed a very nice lathe tool holder that uses diamond shaped inserts that he bought from the Banggood.com online store. The toolholder uses CCMT060204 (ISO designation) or CCMT21.51 (ANSI designation) inserts. The toolholder and 10 inserts cost \$15 including shipping and were delivered in about three weeks.



Web Site

Our club web site could use more project and activity items. If you have worked on something interesting or have seen something of interest please consider adding an article to the web site. At our monthly meetings members make presentations and show and tell stories that would be interesting to browsers of our web pages. Writing a simple text and photo article is not hard and would make our web pages much more interesting.



A Fairbanks-Morse 6HP Model Z engine in as found condition. About 900 pounds with 190 cubic inch (3.1 liters) displacement

The 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 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 Michael Vulpillat to make arrangements to give a presentation.

The SCHSM meets in class room AJ115 on the first floor of the Industry and Technology building 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 B. Enter the campus on Manhattan Beach Blvd.

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