



# SCHSM

Southern California Home Shop Machinists

June 4, 2016

## OFFICERS

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

## COMING EVENTS

### Picnic

June 11, 2016

10:00 A.M.

Alondra Park

### AGSEM Exhibition

June 25

Vista CA

### July Meeting

July 2, 2016

2:00 P.M.

El Camino College

### August Meeting

August 6, 2016

2:00 P.M.

El Camino College

## Preface

The May monthly meeting of the Southern California Home Shop Machinists convened at 2:00 P.M. on Saturday, June 4th, 2016 in classroom AJ115 on the first floor of the Industry and Technology Building at El Camino College in Torrance California. There were 30 people in attendance. There was one visitor, Dale Simms, who is a friend of Lewis Sullivan.

## Club Business

Ed Hoffman spoke about building access during the summer. The building doors will be locked during the time of our meetings but someone will be available to open them from the inside before, and until about 15 minutes into the meeting. That is from about 1:45 to 2:15. If you arrive early and the door is locked, wait for Ed to come and open it. If you arrive late, (shame on you), you may be able to reach someone to come out at 1-310-660-3593, X5966, or perhaps call a friend who may be in the meeting on their mobile phone.

## Picnic

Treasurer Jim Endsley announced that tickets will be on sale at the meeting for the picnic lunch at \$12 per person. The annual club picnic will be held on Saturday, June 11 at Alondra Park, 3850 West Manhattan Beach Blvd. We have reserved the same spot as last year, in the north east corner of the park, on Manhattan Beach Blvd near the parking area and the restrooms.

People can begin gathering at 10:00 AM. There are picnic tables with benches in the park but you can bring your favorite chair to set up under a shady tree if you like. You may bring a cooler with water or soft drinks if you like. Members are urged to bring a display of their craftwork whether it is a metal working project or not. The picnic offers a chance for everyone to gather for a social occasion and to chat about their projects and shop experiences. Lunch will be at 12:00 P.M. President Michael Vulpillat has planned an appetizing menu of sandwiches and pizza.

## AGSEM Exhibition

Jim Endsley reminded us again about our booth at the Antique Gas and Steam Engine Museum Exhibition in Vista on June 25th. He also spoke about the interesting exhibits and activities at the museum. The museum occupies 55 acres with over 20,000 items, in Vista California, in north San Diego County. Their collections focus on exhibits that actively demonstrate farm life, equipment and tools from 1849 through 1960's. Exhibits include operating stationary gas and steam engines of

all sizes, a blacksmith shop, a machine shop with some vintage machinery and an n scale model railroad. Members attending our booth will receive free parking and admission to all the exhibition displays and activities. We will have several display tables in one of the buildings with access to electricity to power our compressor.

### WEME Show

The Bay Area Engine Models are producing the Western Engine Model Exhibition again this year. The show will be on August 26-28, 2016 at the Alameda County Fairgrounds in Pleasanton, California. The exhibition has its own air conditioned exhibition building at the Good Guys car show. We will have two tables for display of our engines, tools and propaganda to promote our club. The Good Guys show attracts thousands of people each day of the three day event and many of them troop through the WEME exhibition to look at the displays. There are running engines and static displays. It is a great opportunity for us to show our stuff. While it is true that this is a Bay Area event, there are usually visitors from Southern California who are interested in our display and our group. Exhibitors and their guests have free admittance to the show to see the WEME exhibit and the several thousand cars on display. This is a big event that is a lot of fun.

### Web Site

Graham also spoke about activity on the SCHSM web site. People from around the world have accessed our web site, with many looking at Marv Klotz's gear ratio calculator. Graham described features of the web site and who can access the various sections. The project and article sections allow registered users to install articles describing projects and essays concerning their activities in the shop that they feel might be interesting to others. Members are encouraged to contribute to the web site and to participate in the forum discussion to make the site a valuable asset to our group.

### Show and Tell

Larry McDavid showed several things. He asked for help to identify some threaded inserts,. He showed an attachment he made for his mill to lock the quill to the spindle when using the mill to measure things. He used some knurled nylon thumb screws from McMaster Carr at 120° intervals to avoid marring the quill or spindle shafts. Larry passed around his hand drawn sketch depicting the quill lock and exhorted everyone to not enter their shop without a measured drawing to work from. He also showed an internal deburring tool.

Lewis Sullivan told about refurbishing an Atlas horizontal benchtop milling machine. As usual with this type of machine, the mill cross slide was worn in the center section. Lewis is correcting this by scraping the ways using methods described in articles by Michael Ward in Home Shop Machinist magazines from 2011. Lewis showed a shop made carbide scraper and described how he made it and how it was sharpened.

Your editor showed a planimeter instrument that is used to measure the area of irregular regions on drawings, maps or photographs. The instrument appears to have been made by Gottlieb Coradi in Switzerland circa 1914 and sold by Dietzgen and Keuffel & Esser. The accompanying photograph shows an identical instrument in the Smithsonian collection.



Matt Rulla passed around two books, "Foundry Work for the Amateur", B. Terry Aspin and "Pattern Design", B. Rupert Hall.

Larry McDavid reported on the SCHSM Yahoo Group that these books are available to buy from various sellers through ABEBooks.

Dan Snyder showed a lead screw with a plastic nut and rounded threads.

Bob DeVoe told us about the extent of damage from a fire that destroyed his shop, and the insurance implications. He showed some things that had been melted by the heat. Bob also kindly distributed two small brushes to everyone present, a stainless steel tooth brush style and one a short bristle painter style useful for cleaning typewriter type.



Fred Bertsche reported the progress on the sterling engine club project. He showed some parts machined by members. The project is proceeding nicely but will probably not be completed in time for the picnic.

Graham Hollis passed around a couple of interesting items related to foundry work. He explained how one can establish an irregular parting line when molding a pattern and showed a green army man toy he reproduced in aluminum with an irregular parting line. He also showed an engine crankcase sump made from a printed plastic pattern. By comparing the pattern and casting one can see the effect of shrinkage on the part.



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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 Vulpilat 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](mailto:kdrhoo@yahoo.com).