



# SCHSM

Southern California Home Shop Machinists

July 11, 2015

## OFFICERS

President Michael Vulpillat  
Vice President Paul Chretien  
Secretary Ken Rector  
Treasurer Jim Endsley

## COMING EVENTS

Long Beach Model T Club  
Swap Meet  
Saturday July 25, 2015  
7:00am - 4:00pm  
Los Alamitos Race Course  
4961 Katella Ave., Los Alamitos

August Meeting  
August 1, 2015  
2:00 P.M.  
El Camino College

Old Tool Swap Meet  
August 15th, 2015  
6:00 A.M. - noon  
Anderson Plywood  
4020 Sepulveda Blvd. Culver City

WEME Engine Exhibition  
August 21-23  
Alameda County Fairgrounds  
Pleasanton CA

September Meeting  
September 5, 2015  
2:00 P.M.  
El Camino College

The July monthly meeting of the Southern California Home Shop Machinists convened at 2:00 P.M. on July 11th, 2015 in the Industry and Technology Building at El Camino College in Torrance California. There were 29 people attending

### Club Business

To begin the meeting, Ed Hoffman announced that there is a wireless network available to us for use during the meetings. He will post the password on the board at the beginning of each meeting.

This months meeting was held in a temporary classroom because of the change in schedule of our meeting this month . Next month's, and subsequent meetings will be held in our regular classroom on the ground floor.

President Michael Vulpillat proposed that we create a list of members who would be available to fabricate parts for compensation.

The members present were polled for their opinion about which area they favored for the picnic in Alondra Park. The vote was 10 to 4 for the same place as this year close to the restrooms. The dissenters liked the spot closer to the boulevard, away from the restrooms.

Our Web Master Graham Hollis, noted that there is a database of metal suppliers available on our web site.

### WEME Exhibition

Vice President Paul Chretien spoke to encourage members to represent the SCHSM at the Western Engine and Model Exhibition (WEME) in Pleasanton California next month. The show is a three day event held as part of the Good Guys Western National Car show which is attended by thousands of people. The WEME show occupies a complete building in the center of activities with lots of show goers passing through to look at the display and ask questions. There are model engines of all types on display. Of particular interest is the exhibit of Paul Knap who usually has about 50 museum quality model

engines of all types on display. Paul Chretien and Ken Rector represented our club with a two table display of engines last year. The display was well received by the audience who were particularly interested in the operating hit and miss engines and Eldon Barclay's up-hill rolling pin. This is a great opportunity to publicize our club, to meet other home shop guys and to support the BAEM group. Participants receive free admission to the car show with free parking in the VIP lot about a hundred yards from the exhibit building. They are able to bring their display material directly to the building on the Thursday before the show so they don't have to lug their stuff through the fairgrounds. You can get more information from Paul or Ken and you can register for the show using a form available from the WEME web site, [www.wemeshow.com](http://www.wemeshow.com). As Paul said, get a hotel reservation as soon as possible as they fill up for this event.

#### Antique Gas and Steam Engine Event

Jim Endsley reported on our exhibit at the Antique Gas and Steam Engine Museum show. We were represented by 11 members, about 30% of our monthly meeting attendance, which was very good participation. There was some problem with our air compressor but the show sponsors were kind enough to provide an alternate air supply. Even though we had a good turnout this time, Jim Endsley promises there will be room for more participants next year. The audience was very interested in our displays and asked about our club. Don Huseman ran his air powered pencil sharpener on real steam during the event, and our club engine ran all day along with other engines. Graham Hollis ran his Farm Boy engine and also ran his Otto-Langen vertical atmospheric engine which is a real attention grabber.



#### Model T Club Swap Meet

Eldon Barclay reminded members of their commitment to have a display at the Long Beach Model T Club Swap Meet on July 25th, later this month. Members voted to present a display at the swap meet at the April Meeting. This is another opportunity to publicize the SCHSM - close to home. The swap meet is held in the East parking lot at the Los Alamitos Race Course, 4961 Katella Ave in Los Alamitos. Admission and parking are free. Eldon said we should be there at 7:00 A.M. and bring your own chairs and tables, shade and an ice chest.



#### June Picnic

The June picnic was a great success again this year with about 35 to 40 people attending. President Michael Vulpillat did an outstanding job arranging and delivering the lunch, which was delicious Pizza and Sandwiches, with chips and soft drinks. Everyone agreed it was a great picnic lunch. Our area in the park was in a nice shady spot with lots of tables for lunch and displays. Nearly everyone brought something to show. Norm Wells had a whole table full of shop made tools. Ron Gerlach brought and ran two hit and miss engines, a small one he built and a larger commercial product. Phil Potter had his garden railway test vehicle, the club



engine was put-putting away and lots of others brought displays. After lunch there was an air engine performance contest and a spinning top contest. John Miller won the top spinning contest. Every one hung around until about three in the afternoon and it was a very relaxed pleasant day.

### 3D Printing Presentation

Graham Hollis gave the feature presentation of the afternoon about current 3D printing technology using slides, examples of things he has made and his machine. Graham described the history of the development of the technology, the currently available technologies and related them to their cost and output quality. He told about the available development software and libraries of model sources that can augment personal development. He described the two types of printers, how they differ and what kinds of filaments are available. He concluded with a description of their uses in the home shop and some of the difficulties one might encounter. Graham always presents a cogent and informative presentation and his slides were well organized and presented. The talk was followed by questions and discussion from the audience.



After the break, the meeting continued with Show and Tell presentations

### Show and Tell

Butch Sherrick, who works at Lockheed, described a resin laser based printing unit and showed several examples. This unit costs about \$100K and uses expensive resin.

Larry McDavid brought in a digital thermometer he bought on ebay. This unit has a much higher range than the Harbor Freight unit. He also bought a digital light meter he used to measure the light intensity in his shop. He recommended Costco LEDs over fluorescent lights. LED shop lights are also available at Home Depot.

Michael Vulpillat demonstrated a ring light flash for a camera from ebay for \$35. This one has a larger inner diameter than the one Larry McDavid had shown. This one fits on his mill and has an inner diameter of 49-75 mm.

Dan Snyder showed a couple of his latest projects. He built a tailstock for an indexer he is building. The tailstock is based on a commercial design that he modified to fit his purpose. Besides the dimensions he also modified the center locking device by using a split collet which can clamp tightly with very little operating force. He passed it around and displayed pictures of it under construction. When he needed



a knurled grip for the adjustment bolt he built a very interesting knurling head based on a design from tomstechniques.com. The knurling head mounts in his lathe tool post and has two opposing knurls and thus exerts very little force on the headstock spindle.

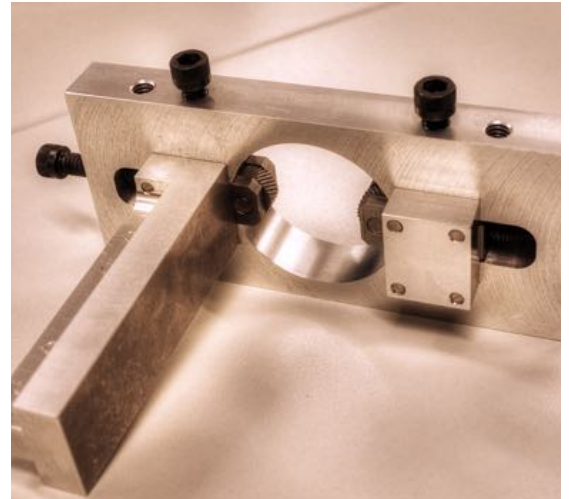
Oscar Leckliter also has a 3D printer. He brought in an attachment for a rifle which he designed and constructed. Made of fiberglass, it has rifle rings with picatinny rail to mount a monopod.

Norm Wells said he was recently in an auto accident which is still in dispute. He has now installed a dash cam to prevent a future reoccurrence of this problem. He passed around the box and displayed the output of the dash cam. It uses an SD chip and reads segments which are looped over. It stores roughly the last hour of use.

Frank Marlowe said he knows of a pristine Bridgeport type mill for sale for \$3500. It has power feed and a DRO.

Charles Angelis contributed a report on the meeting for this newsletter. Thanks Charlie! Anything overlooked, omitted or inaccurate is the fault of the editor, not Charlie.

The meeting adjourned at 5:00 P.M.



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 Michael Vulpillat to make arrangements to give a presentation.

The SCHSM meets in the first floor classroom 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, please contact the editor, Ken Rector, via the SCHSM Yahoo Group, or at [kdrhoo@yahoo.com](mailto:kdrhoo@yahoo.com).

Find us on the web at [www.schsm.org](http://www.schsm.org).