



# SCHSM

Southern California Home Shop Machinists

August 1, 2015

## OFFICERS

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

## COMING EVENTS

WEME show  
August 21-23, 2015  
Alameda Co Fairgrounds  
Pleasanton CA

Old Tool Swap Meet  
August 15, 2015  
Anderson Plywood  
Culver City

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

October Meeting  
October 3, 2015  
2:00 P.M.  
El Camino College

Little Machine Shop Open House  
Date TBA  
Pasadena

The August monthly meeting of the Southern California Home Shop Machinists convened at 2:00 P.M. on August 1st, 2015 in classroom AJ115 on the first floor of the Industry and Technology Building at El Camino College in Torrance California. There were 32 members attending and two visitors. Visiting were Bill Fowler, a friend of Howard Weimer who was with us at the Little Machine Shop Open House last year. Bill has a long history of machining experience, engine building, and auto racing. Our other visitor was Jerry Lake who is a retired aero-space engineer.

Vice President Paul Chretien conducted the meeting this day as President Michael Vulpillat is touring the continent. Paul began the meeting with remarks about the WEME show to be held on August 21, 22,23 at the Alameda County Fairgrounds in Pleasanton California. Pleasanton is about midway between San Jose and Oakland and east of the bay.

## WEME Show

The Bay Area Engine Modelers club is hosting the seventh Western Engine and Model Exhibition (WEME). This exhibition will take place in the Agricultural Building during the GoodGuy's 25th West Coast Nationals, August 21 - August 23, 2015 at the Alameda County Fairgrounds, Pleasanton, CA. The Bay Area Engine Modelers club and other Model Engineers will exhibit all types of Model Engineering, including model steam engines, locomotives, internal combustion engines, Stirling engines, tanks, tether cars and aircraft engines. Your Editor is planning on attending the show with Vice President Paul Chretien, again this year as representatives of the SCHSM. We will have a couple of tables for display with our club banner, handouts and cheery faces to greet the thousands of people who usually attend the Good Guys car shows. Many of these people are quite interested in our display and some of them come from Southern California so it is to our benefit to show them what we are doing and to acquaint them with our club. It is also to our benefit to be friends with the guys from the BAEM club. They are a very active club with lots of interests and very friendly and supportive of the SCHSM. I'd like to encourage

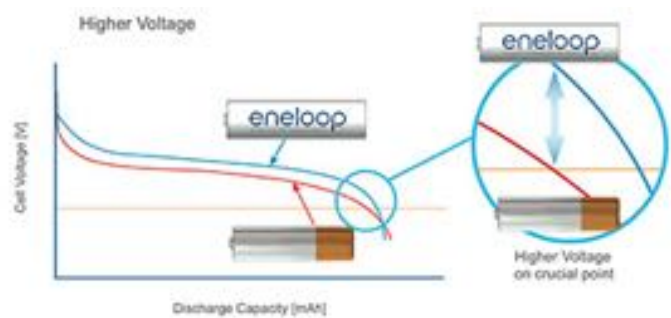
our members to consider coming to Pleasanton for a few days in August to participate in the exhibit and to show their stuff to an appreciative audience. If you can't come in person, please consider sending some examples of your work for us to display. They will be well cared for.

## Internet Research

Ken Rector gave a presentation about his use of the internet as a research tool. He told about some of the many sources of information available that he has found useful in building tools and a model engine. Ken mentioned Google Books, Hathi Trust and Google Patents as sources of published material. He also mentioned a few useful forums and web sites. He told about individuals he has contacted via email who had helped him personally to develop his projects.

## Eneloop Rechargeable Batteries

Larry McDavid gave a presentation about the eneloop rechargeable battery. Larry used a computerized battery analyzer to test these batteries and showed slides depicting the resultant data. He found that the batteries do, in fact, live up to their manufacturers advertising claims of better than 80% recharge retention. The manufacturer also claims that these batteries will keep their voltage higher than other rechargeable batteries for longer before reporting a low battery voltage. Another advantage is that they will not leak like an alkaline battery. The batteries are environmentally friendly as they are initially charged using solar power at the factory and can be recharged up to 2100 times.



## September Meeting Auction

The September meeting will be the date of the annual SCHSM Auction. Members are encouraged to bring stuff they wish to pass on to someone else to the meeting. Someone there is sure to find they can't live without your old junk. It may be tools, equipment, material, maybe even old magazines - whatever you have.

## Show and Tell

Dan Snyder described a computer controlled indexer he made based on a sturdy gear reducer unit. Dan's indexer uses an Arduino microcontroller to monitor a keypad input unit and digital output display and to control a stepper motor to drive the indexer. He used the tool to make a pair of gears and found it to be quite accurate. Dan showed some slides of the tool and a short video of the gear cutting operation. He passed around the gears for inspection.



Oscar Leckliter showed some pictures of action wrenches he made with his 3D printer.

Visitor Jerry Lake brought in a Webster engine he has built and talked with members about getting it to run properly. A crowd gathered at break time to offer advice.

Larry McDavid told about his use of shot bags to hold parts he is gluing. Larry found the 25 lb. bag of shot he had been using to be cumbersome. He went to his local full service shoe repair shop and they stiched up some smaller bags from canvas that hold 2 lbs and are much easier to use.

Willie Jordan spoke about his visit to Urban Workshop in Costa Mesa. This is a large 18000 square foot facility with a large variety of tools. These include woodworking, electronics, metalworking, automotive and computers. They offer classes in all these areas. Memberships are available.

## Old Tool Swap Meet

The Old Tool Swap meet will be held on August 15, from 6:A.M until noon in the parking lot behind Anderson Plywood at 4020 Sepulveda Blvd, in Culver City. There are always bargains to be found amongst the wide variety of tools and equipment. You may also meet other members of the SCHSM shopping or loitering about.

To conclude the meeting, Paul Chretien reminded us of the Little Machine Shop Open House that we usually participate in during October. Paul will contact LMS to find out the date and if we will be invited this year. 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 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, 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).

