



SCHSM

Southern California Home Shop Machinists

July 1, 2017

OFFICERS

President	Charlie Angelis
Vice President	Michael Vulpillat
Secretary	Fred Bertsche
Treasurer	Jim Endsley

COMING EVENTS

Model T Swap Meet
Sat, July 22, 2017
7:00 a.m. - Noon
5000 Lew Davis Street
Long Beach
Enter from Conant Street

August Meeting
Sat, August 5, 2017, 2:00 p.m.
El Camino College

WEME Show
August 25-27, 2017
Alameda County Fairgrounds
4501 Pleasanton Av.,
Pleasanton, CA 94566

September Meeting
Sat, September 2, 2017, 2:00 p.m.
El Camino College

WESTEC
September 12-14, 2017
L.A. Convention Center

Preface

The July monthly meeting of the Southern California Home Shop Machinists convened at 2:00 p.m. on Saturday, July 1, 2017. We met in classroom AJ115 on the first floor of the Industry and Technology Building at El Camino College in Torrance, California. There were approximately 27 members in attendance, and one visitor, David Dik. A journeyman electrician, David specializes in analog motor control. He is also interested in machining and has been busy acquiring equipment for his home shop.

This meeting marks the seventeenth anniversary of SCHSM! On the 4th of July, 2000, our club's first meeting took place in Don Huseman's San Pedro driveway. Many of those attendees are still active in the club.

Club Business

President Charlie Angelis reminded everyone about the upcoming Model T Swap Meet. Members are encouraged to coordinate their participation with Eldon Barkley.

Millar Farewell said that he is trying to schedule a tour of the Edelbrock Foundry for some time in October when the outdoor temperatures are more moderate. He will keep the membership informed as things develop.

Jim Endsley alerted the membership to a fundraising effort by the Antique Gas & Steam Engine Museum in Vista, CA. The museum is raising money for the restoration of a 1902 Advance Traction Engine, which is basically a large steam powered tractor. Although all of the work is being done by volunteers, a considerable amount of money is needed to replace its massive boiler and purchase other necessary parts and materials. Since SCHSM has a good relationship, and interests in common, with the museum, Jim asked that the membership consider contributing in some way to its fundraising effort. After considerable discussion, it was decided – and confirmed by majority vote of members in attendance – that SCHSM would contribute \$100.00 from the general fund.

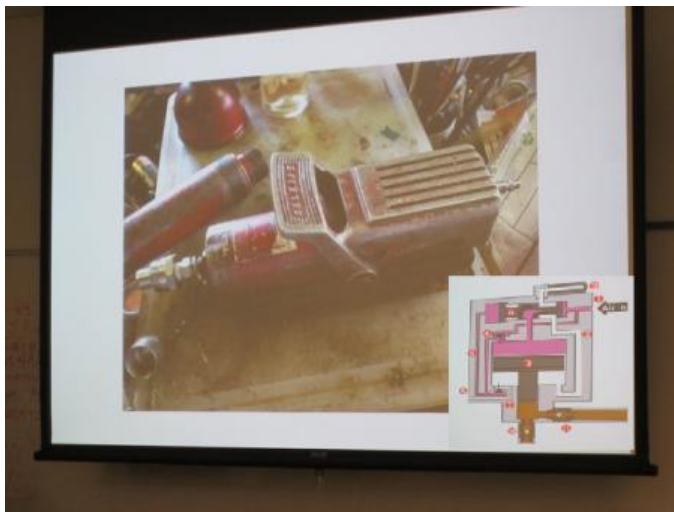


1902 Advance Traction Engine, AG&SEM

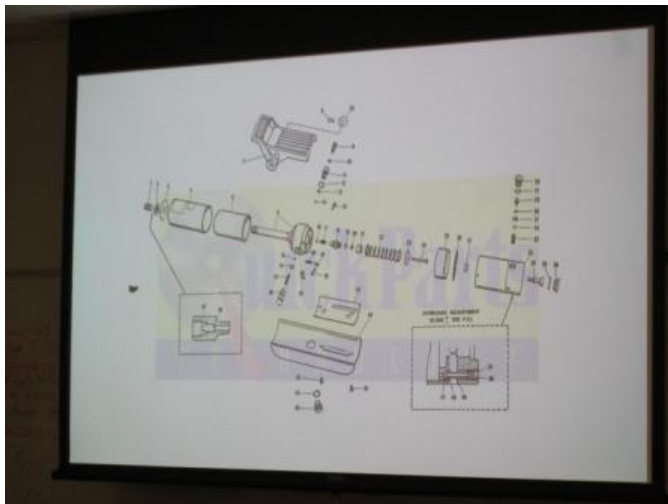
President Angelis announced that there was a small surplus of funds left over from the 2017 Club Picnic. After a brief discussion, it was decided that the surplus would simply go into the general fund.

Presentation

President Angelis gave a detailed presentation on how he rebuilt his Blackhawk P707 Air/Hydraulic foot-controlled pump. The pump powers his auto body straightening equipment. Charlie used photos and diagrams to explain the basic operation and internal valve configuration of the pump. He also discussed some of the problems he identified, as well as the remedies he employed to complete the repair.



Blackhawk P707 Air/Hydraulic Pump



Exploded view of Black P707 air/hydraulic pump.

Show and Tell

Lewis Sullivan showed how he made a replacement keyed plastic sleeve for his Clausing Model 5900 Lathe. He also explained how he adapted a VFD and speed controller to the same lathe to gain a much broader range of spindle speeds. Lewis bought some of the components for his lathe retrofit from Power Transmission Specialties (PTS.) PTS has stores in Santa Fe Springs and Corona.



Lewis Sullivan reporting on the repair of his Clausing 5900 lathe.

Lewis also showed some tooling racks he made from aluminum sheet found in his scrap bin. He cut them to fit into the recesses between the upright wall studs of his shop where they are out of the way, but still readily accessible.



Lewis Sullivan's shop-made tooling rack made to fit between the vertical wall studs of his shop.



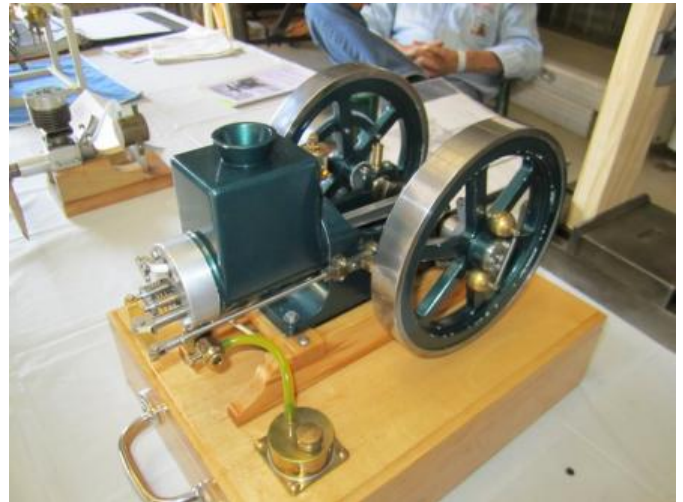
End view of Lewis Sullivan's Tooling rack.

Larry McDavid showed an assortment of plastic fasteners used to secure tarps for canopy covers. Some of the fasteners clamp onto a tarp allowing for the attachment and tightening of bungee cords, while others allow for the joining of multiple cords for lengthening and adjusting purposes. He said there are many handy uses for these items. They are available through McMaster-Carr, Grainger, swap meet supply companies, and some of the big box hardware stores.



Larry McDavid showing an assortment of fasteners used to manage elastic cording and plastic tarps.

The top end rebuild of our Farm Boy engine was finished in time for it to be run at the club picnic last month. It was run again at the AG&SEM Open House later in the month. Unfortunately, a dead battery and a broken ground wire shut it down early that day. Since then, Ken Rector replaced the battery and resoldered the ground wire. He also installed external battery posts so that the battery can be charged without having to dismantle the display base to access it. This greatly reduces the risk of damaging the wire connections again in the future.



SCHSM's Farm Boy Hit & Miss Engine

Western Engine & Model Engineering Show 75,000+ Models

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Join us in our large air-conditioned pavilion August 25-27 at the Goodguy's 31st West Coast Nationals Hot Rod Show in Pleasanton, California near San Francisco. It is a great vacation spot too!

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www.wemeshow.com for more information, call toll-free 866-996-8999 in the U.S. or Canada or e-mail editor@modelengineersinc.com

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ANY TYPE OF MODEL ENGINE YOU WOULD LIKE TO SEE AND YOU CAN SEE THEM ALL RUN

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

SCHSM meets in Classroom AJ115 on the first floor of the Industry and Technology building of El Camino College, 16007 Crenshaw Blvd. Torrance, California, at 2:00 p.m. on the first Saturday of every month. The building is near Parking Lot B. Enter the campus from Manhattan Beach Blvd.

If you would like to contribute an article to this newsletter, or make a comment, contact the editor, Fred Bertsche. He can be reached via the SCHSM Yahoo Group, or at fbschsm@yahoo.com.

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