



SCHSM

Southern California Home Shop Machinists

April 2, 2016

OFFICERS

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

COMING EVENTS

Old Tool Swap Meet
May 21, 2016
6:00 A.M. - 12:00 P.M.

Anderson Plywood
4020 Sepulveda Blvd.
Culver City

June Meeting
June 4, 2016
2:00 P.M.
El Camino College

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

Preface

The May monthly meeting of the Southern California Home Shop Machinists convened at 2:00 P.M. on Saturday, May 7, 2016 in classroom AJ115 on the first floor of the Industry and Technology Building at El Camino College in Torrance California. There were 34 people in attendance. There was one visitor, Dana Roberts, who is a friend of Lewis Sullivan.

Club Business

Vice President Frank Schettini conducted the meeting in the absence of Michael Vulpillat.

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. Lunch will be at 12:00 P.M. President Michael Vulpillat has planned an appetizing menu of sandwiches and pizza. Treasurer Jim Endsley announced that tickets were on sale at the meeting and again next month for the picnic lunch at \$12 per person.

New member Ed Fergin donated a Hardinge 5C collet indexer for auction to the benefit of the club. The indexer was sold for \$60 - thank you Ed for your generosity. Jim Endsley auctioned off a nice rifle case for the benefit of the club. Frank Schettini auctioned off a two foot length of 3" round CRS.

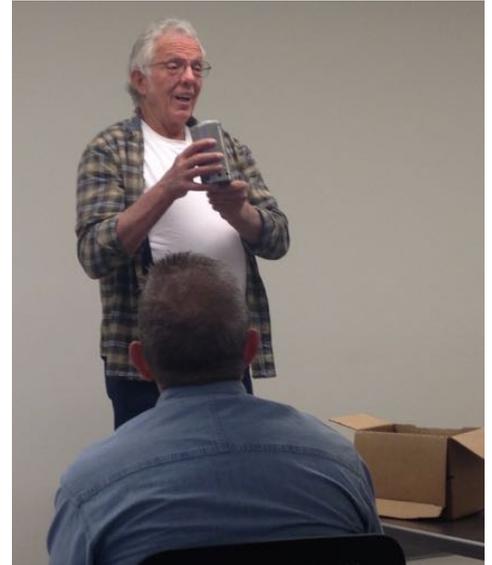
Larry Lee thanked the people who responded to his query about a machine mover on the Yahoo Group. Larry was well satisfied with the guy recommended by Ron Gerlach.

Lewis Sullivan showed the burner unit he built for the club sterling engine. He told about how he made the cooper flue section and the other parts. Fred Bertsche spoke about the schedule for completing

the engine. The engine builders hope to have it finished in time to run at the club picnic

Club Web Site

Last month Graham Hollis announced that he has upgraded the club web site. The new implementation is very nice and has some great new features. The project page includes some projects from the old site with pictures and documentation about Carl Cederstrand's Rivett lathe rebuild and Jerry Brown and his steam crane. Graham has made it very easy for registered users to upload their own projects and article descriptions. The Create a Project and Create an Article pages offer an easy to use editor for entering text and inserting image files. One can intersperse images with their text by drag and dropping the image file as they type. These features offer a very convenient way for us to have an informative interesting web presence and everyone is encouraged to add their favorite project or article to the site.



AGSEM Exhibition

Jim Endsley told about our plan to have a 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.



Presentations

The feature presentation for the meeting was a talk by Larry McDavid about a foundry project that several members did during the preceding month. Jim Kreter hosted the group which included Larry, Eldon Barklay, Millar Farewell and Ron Gerlach. Their purpose was to make a casting of an oiler tree for Ron's 16HP West Coast Engine. The work was done using Jim's foundry equipment at his home over two Saturdays.

Ron borrowed a mahogany pattern from another West Coast Engine owner. The part is about 20" long and is

used to support three oiler cups to lubricate the crank and rod journal bearings. Ron described how the oiler uses an interesting wiping wick method to distribute oil to the moving parts as they rotate.

Larry explained the basic nomenclature of the flask and the other equipment they would use to make the sand mold and heat and pour the aluminum. He used Power Point to show photos and video clips of the activities. He showed the different activities the guys performed to make the mold and pour the molten aluminum. Millar made a flask for the project to suit the size of the pattern. Eldon and Ron placed the pattern and pounded the molding sand to form the mold. As the mold was prepared Jim heated the aluminum in his furnace fired with propane and forced air. When everything was ready Ron poured the aluminum into the mold. After it cooled the part was extracted and it was a successfully formed part. Ron did some machining on the part as necessary to finish it for use.

This was a very interesting well documented presentation.

Show and Tell

During the later half of the meeting several people showed and told some interesting stuff. Larry McDavid told how he modified a fiber optic microscope illuminator to separate the power and light unit from the fiber optic cables used to produce light at the work area. He mounted the power supply and lamp in a box above the mill ram. He bought a fiber optic extension cable to send light down to a junction box he built and mounted just above the vertical dovetail on the column. The two original fiberoptic cables were connected to the junction box to distribute light into the work area below the spindle. To finish the project he had the parts he built finished in black oxide.

Chuck Norton told about rebuilding a Yuasa vice he was given using Kurt type replacement parts from Kenbil Engineering at 2900 Adams Blvd. in Riverside. Chuck suggested that many imported vises are nearly exact duplicates of the Kurt products and the Kurt replacement parts are readily available to repair them. Maybe you can turn a sow's ear into a silk vise.

Frank Schettini showed some Wago connectors for electrical test leads he thinks are very convenient for the test bench.

Your editor described how he bored the id of a thin wall brass tube and did some metal spinning to build a model engine fuel tank. You can find this project, and some others on the SCHSM web site at <http://www.schsm.org/index.php/projects>.

The Old Tool Swap Meet takes place on Saturday, May 21 at Anderson Plywood, 4020 Sepulveda Blvd. in Culver City. It is a great swap meet with lots of tools both old and new of all kinds at great prices.

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.