



# SCHSM

Southern California Home Shop Machinists

February 4, 2017

## OFFICERS

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

## COMING EVENTS

Old Tool Swap Meet  
February 18, 2017  
Anderson Plywood  
4020 Sepulveda Blvd  
Culver City

March Meeting  
March 4, 2017  
2:00 P.M.  
El Camino College

April Meeting  
April 1, 2017  
2:00 P.M.  
El Camino College  
(No Fooling)

Picnic  
June 10, 2017  
Alondra Park  
Manhattan Beach Blvd.

## Preface

The February monthly meeting of the Southern California Home Shop Machinists convened at 2:00 P.M. on Saturday, February 4, 2017 in classroom AJ115 on the first floor of the Industry and Technology Building at El Camino College in Torrance California. There were 34 members in attendance.

## Club Business

President Michael Vulpillat reminded members that the picnic site has been reserved for June 11. Norm Wells donated a stack of Model Engineer Workshop magazines for auction for the benefit of the club. Larry Lee also donated some tools and other stuff for auction for the benefit of the club.

## Election of Officers

The following men were nominated and elected as officers for the 2017 term. President: Charles Angelis, Vice-President: Michael Vulpillat, Treasurer: Jim Endsley and Secretary: Fred Bertsche.

## Presentation

Norm Wells told about building and using the Tinker Tool and Cutter Grinder. The Tinker was invented and patented in the 1970's by Norman Tinker of Nottingham, England. It is a simple easy to use jig that, when coupled with a bench grinder allows one to sharpen milling cutters, lathe tools, twist drills, reamers and other shop cutter tools. Although Mr. Tinker has passed away, the plans and castings are available from Guy Lautard through his web site.

Norm built his tool using Lautard castings for the two main parts but suggested that one could instead use bar stock fabrications for



these parts. The drawings cost \$40 and include plans for the tool and it's accessories. Norm described how to use the tool to sharpen the end and flutes of end mills and also how to sharpen taps and he showed a fixture for sharpening 2-flute end mills he made from plans in HSM. Norm further described other accessories one can build to increase the tool's usefulness.

Jim Endsley gave a short demonstration of an inexpensive Endoscope he found on the web. This is a small camera with lamp, about 12mm diameter, on a USB cable that plugs into your PC. It can be used for inspection of internal parts and Jim showed how it can fit into a rifle barrel. There are a large variety of these camera for sale on the web at various prices and various cable lengths.

### Show and Tell

Graham Hollis described how he uses a Circut Machine to cut gaskets for engines he is building. The Circut is a computer driven plotter type machine that can use knives or pens to cut or mark on paper. It is advertised as a tool for Scrapbooking but Graham found it was very handy to make the dozens of paper gaskets with very intricate designs he needs for his engine projects. Material to be cut is held flat on a sticky mat on the flat bed of the cutter. The knife is a tiny carbide blade that rotates to follow a curved shape. The shape is defined by a .dxf file. Graham and his family are happy to have this tool to use in the shop and craft room.

Lewis Sullivan showed pictures of the Makita grinder he spoke about last month that he uses to sharpen carbide scraper blades for his machine rebuilding project. He told more about the geometry of these tools and how he scrapes into the dovetail area of the mill saddle he is working on.

### Old Tool Swap Meet

The quarterly Old Tool Swap Meet will take place on February 18, 2017 in the parking area behind Anderson Plywood at 4020 Sepulveda Blvd. in Culver City. The swap meet opens at 6:00 A.M. and continues until noon. The event will take place rain or shine. If it is raining they will setup inside the Anderson Plywood store. There are always a lot of interesting tools of all sorts on sale - some mundane but some very interesting. You may meet fellow SCHSM members there with their arms full. If you find Culver City is too far to travel, check out the Old Tool Swap Meet web site for their schedule for Pasadena and San Diego.



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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 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 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).