



# SCHSM

Newsletter of  
Southern California Home ShopMachinists

## January 4, 2014

**GOOD START TO THE NEW YEAR:** Our picnic is already reserved. Alondra, same place, June 14. We voted to cover the actual costs a bit better this time. The meal cost per person is now \$12 rather than the previous \$10.

This kicked off a long discussion of how to pay for the picnic. We have been using club funds for some of it. Should we continue that? Or have attendees carry the whole weight (and if so, how do we guarantee enough attendees to underwrite it)? Should the club consider dues to prop up our treasury? It was decided that Dan Snyder would analyze the past few years in general and report on the actual status of our finances and what we will probably face in the future. Until then, the discussion was tabled.

Mike Jacob offered some ideas for his proposed Air Engine Contest — to replace the dangerous-if-fun Bottle Rocket competitions of the past. He suggested looking at Little Machine Shop's site or catalog for free plans and directions for oscillating engines, and even kits available to make them. He said YouTube had a number of examples to see. His suggestions seemed to prompt as much discussion, and argument, as the



talk about our treasury, so instead of trying to decide number of cylinders, footprint, weight limit, etc., etc. right here . . . a committee was named to give specific proposals. Mike ([norma461@verizon.net](mailto:norma461@verizon.net)) is joined by Jim Endsley ([jim0000@attglobal.net](mailto:jim0000@attglobal.net)), Ray Hill ([smallhand@aol.com](mailto:smallhand@aol.com)) and Ron Gerlach ([rgerlach@socal.rr.com](mailto:rgerlach@socal.rr.com)).

If you'd like to contribute, write them on Yahoo or directly. Don't save it for the next meeting, okay?

**Main Presentation: Marv Frankel** (with a little help from Tom at Ox Tool)

We got a thorough presentation, and good views, of grinding a tool for use in a flycutter. One of the best lessons: tram the head, first! D'oh. And it was interesting to see that a 30+ year-old tool from the presenter's master seemed to do a better job than the one we watched being created. We sure learned a lot, as much from the mistakes made right before our eyes as from the instruction. Very helpful and not only for flycutting. Find more on YouTube, search OXTOOLCO.

Frank Kozlowski made another pitch for nominations for new officers. *NEXT MONTH WE HAVE ELECTIONS*, and we need volunteers to fill all four positions: president, vice-president, treasurer and secretary. Frank says "Step up!" If you are willing, let Frank know: [ironsmith45@verizon.net](mailto:ironsmith45@verizon.net).

#### Duties of Officers

President — has a full plate. He organizes everything needed before each meeting, though many members can and do help with this. He conducts the meeting. He also is the face of our club, dealing with people such as Ed Hofmann of El Camino, Chris Wood of LMS and others. He can liaise with other clubs if we want to do something together. And he also has traditionally

organized people, activities, tables/chairs, food, etc. for our luncheons or picnics.  
Vice-president — is always there to help the president, including stepping in to run meetings the president must miss. He also takes on various other jobs, such as chairing committees, doing research, often making buys on behalf of the club.  
Treasurer — keeps the books, takes in what we take in, pays out what has to be paid out, reports periodically to the membership on the status of our finances. Prepares the meeting attendance list and keeps it updated.  
Secretary — mainly takes notes and hopefully photos at club functions, above all at meetings. Other members have helped often with photos, brief blurbs about certain outside activities, etc. Has to be able to add and subtract.

Keep in mind also that Larry McDavid has been running our Yahoo group and could conceivably use some help from time to time. And Graham Hollis, our Webmaster, might be more than ready to step aside for a new Webmaster.

Jim Kreter offered a tool cutter/grinder to a good home, and Ken Rector snapped it up before anyone else. Well done, Ken.

Richard Albers brought in a beautiful slab of marble, 3/4" thick; it went to Frank. Good grab.



### Show & Tell

Chuck Norton showed an example of friction welding, something few of us had heard of let alone seen. A remarkable technique, learned from a relative of Chuck's, at Harvard. *Harvard?*

Eldon Barkley showed us the critical difference between a more-or-less standard faceplate and a custom, spring-loaded-center carrying drive plate. He also gave us the critical formula for working out speeds for turning metals on the lathe:

$$4/\text{Diam} \times \text{CS} = \text{rpm}$$

4 over the diameter of the workpiece times cutting speed

And he showed a killer wrench he cobbled up, for loosening the always-stuck clean-out plug, way back under a sink.

Keep with the formulaic, Don Huseman showed a formula for establishing tap drill (tap = 1.299% / pitch - bolt diameter). He also showed an ancient Derck's Gauge Dial with a ton of vital info in it, offered a good acetylene welding outfit being sold by his brother, and asked about silver solder grades.

