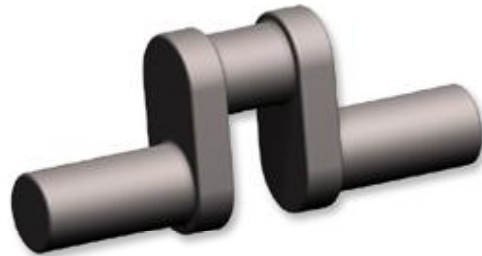


# The Crank Calls



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**MEMBERSHIP \$25.00 US**

Contact Paul Denham at  
pedenham@comcast.net  
Dues renewal is each January.

**DUES are now due!**

**Upcoming Events**

BAEM meetings 3rd Saturday of the month

- June 15, 2019 @ GGLS, Tilden Park
- July 20, 2019 @MoAH, Palo Alto
- August 17, 2019 @ GGLS, Tilden Park
- September 21, 2019 @MoAH, Palo Alto

**MEETING NOTES**

May 18, 2019

Mike Byrne standing in for Bob Kradjian

The May BAEM meeting was held at the Museum of American Heritage in Palo Alto, CA.

Look ahead schedule showing meeting locations thru 2019 has also been posted on the [www.baemclub.com](http://www.baemclub.com) website.

**NEW MEMBERS/VISITORS:** Paul Johns introduced himself as a new member.

**FIRST POPS:** Dwight Giles and Ken Hurst designed a V-8 model and created casting sets. Dwight had done 90% of the machine work on one of these engines and passed it to Paul for the 50% remaining. Paul reported "first pops" last month and this month had completed the supercharger, valve covers, and other clean up items. The running motor is very impressive. (Photo is on page 2)

**MEETING PLACE FOR JUNE 15TH**

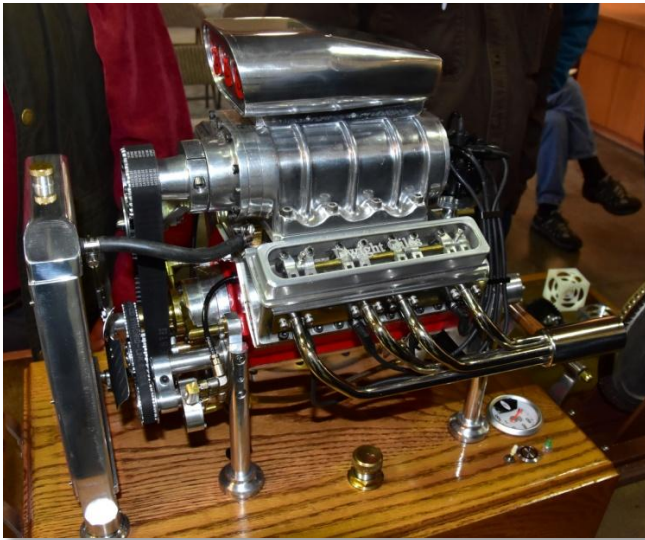
We will meet this month (June) at the Golden Gate Live Steamers meeting room in Tilden Regional Park, Berkeley, CA.

**PLEASE NOTE: THAT GGLS WILL BE HAVING THEIR ANNUAL SPRING MEET JUNE 15<sup>TH</sup> - 16<sup>TH</sup>. PLEASE PARK OUTSIDE OF THE GGLS CLUBHOUSE AREA GATE IN PARKING SPACES ON THE ROAD.**

**PLEASE REMEMBER, IT IS THEIR FACILITY.**

If you have anything for show and tell /run, please bring it! If it is heavy, unload at the clubhouse, then park outside.

Sunday is open house to the PUBLIC and some BAEM members will be showing engines throughout the day.



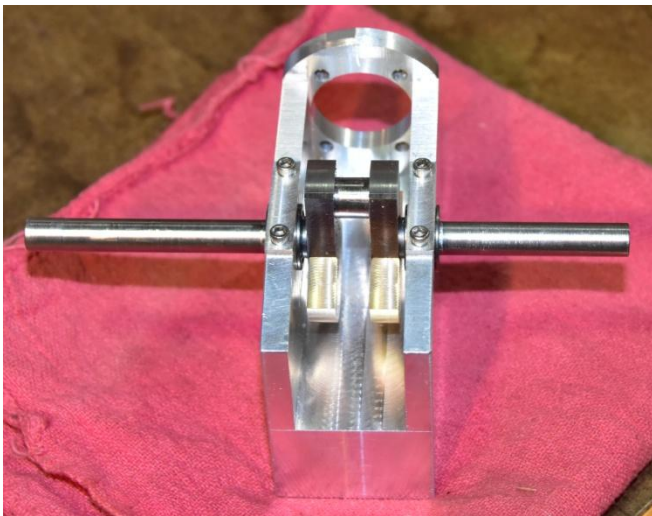
**TREASURER'S REPORT:**

The 2019 dues of \$25 are due. Dues can also be mailed to Paul at 1937 Merchant St, Crockett, CA 94525.

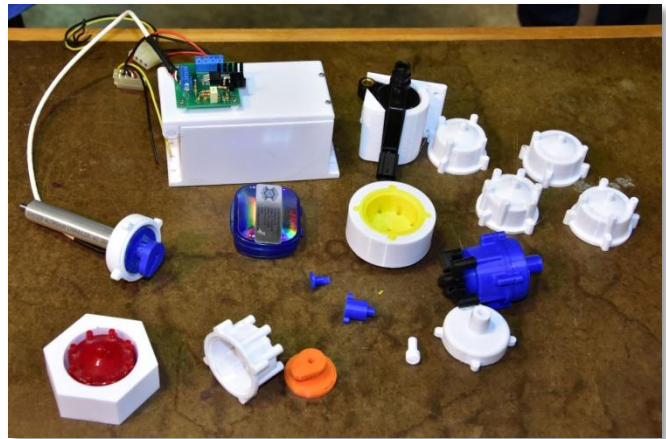
We continue to be solvent with sufficient funds.

**CLUB BADGES:** If you are a member in need a badge, contact Mike Rehmus (mrehmus@byvideo.com) who has offered to produce them.

**BITS AND PIECES**



Larry Zurbrick got one of Dwight's Gem 1 materials kits and has been making some progress. He brought in the machined frame with a nice crankshaft turned from bar stock. Larry mentioned his turning skills evolved through three attempts.



Mike Rehmus is continuing to evolve his additive manufacturing product line of model engine distributors. He has versions suitable for 2, 4, 6, and 8 cylinder engines. This month he had an operating prototype showing rotor function and a printed fixture for machining commercially procured distributors.



Mike Byrne discussed learning to produce scalable parametric models in Solidworks. Examples were a Turner's Cube with recursively smaller bores and a spur gear program that will produce correct involute geometry for specified number of teeth, diametrical pitch, pressure angle, and whole depth ratio. He showed 3-D printed "proof of concept" examples.



Dwight also had turbine stage he scrounged from a Mare Island dumpster 40 years ago. He had it mounted and could spin it up using compressed air.

Next meeting will be at GGLS. GGLS will be having their spring show event the same weekend.