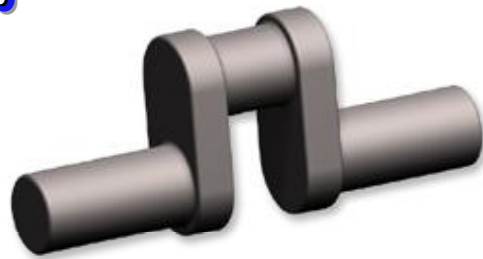


The Crank Calls



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MEMBERSHIP \$25.00 US

Contact Paul Denham at
pedenham@comcast.net

DUES are now due!

NEXT MEETING

**April 20, 2019 at
Museum of American Heritage
351 Homer Avenue
Palo Alto, CA**

Doors open at 9:00 AM
Meeting starts at 10:00 AM

Upcoming Events

BAEM meetings 3rd Saturday of the month

- April 20, 2019 @ MoAH, Palo Alto
- May 18, 2019 @MoAH, Palo Alto
- June 15, 2019 @ GGLS, Tilden Park

MEETING PLACE FOR April 20th

We will meet this month (April) at the **Museum of American Heritage in Palo Alto. The address is 351 Homer Avenue in Palo Alto. Go to: moah.org for driving instructions and information on this fine facility.**

MEETING NOTES

March 16, 2019

Mike Byrne

Meeting was held at Golden Gate Live Steamers in Tilden Park. Paul Denham convened the meeting.

Look ahead schedule showing meeting locations thru 2019 has also been posted on the www.baemclub.com website.

NEW MEMBERS/VISITORS: Visitors included Ed Rite and Thruman van Tassel

TREASURER'S REPORT:

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

Club is solvent. Paul suggested investing in display tables for use at shows. Suggestion seemed well received.

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

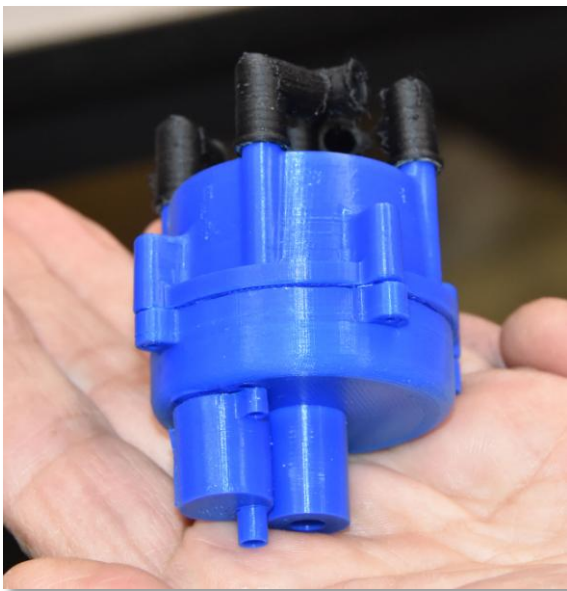
FIRST POPS: Ray Fontaine started his new flame licker engine.



UPCOMING SHOWS:

- STEAM (Science, Technology, Engineering, Arts, Mathematics) Festival, Benicia Middle School, April 27, 10 to 4.
- GGLS Spring Meet, June 15 -16, all day (11 - 3)
- Pengrove Power Up Show, July 13, 9am to 4 pm
- Good Guys Car Show, August 23, 24, 25.
- Gault Farm Show, tentative , first week of October

BITS AND PIECES



Mike Rehmus showed some refinements of his 3-D printed distributor bodies and rotors.



Pat O'Connor showed a quick change tool post holder he had machined for a dial indicator.



Dwight Giles brought his fixtures for silver soldering flywheel spokes and showed examples of post silver soldered and finished flywheels. Details were published in the Model Engine Builder volume 31.



Tim Horn brought in a "quiet air compressor" build up using refrigerator parts. He noted that different lubricating oil was needed.



Jerry Franklin is making new dial indicators for his lathe. He brought in the blank and solicited suggestions for cutting the indication lines.



Dwight also brought in a low tension ignition coil, a radiator, and a rebuilt milling attachment for an Atlas lathe.



Tom Blanchard brought in a shop built an electric heat treat furnace and discussed fire brick cutting and heater coil winding.

TECH TOPIC

At the February meeting, Tom Blanchard shared a rebuilt rotary table project and plans to add a stepper motor. Mechanized rotary indexers have been of recent interest and there have been build articles on the Home Model Engine Machinist forum and other sites. Paul Denham found a PIC stepper motor controller on www.cnczone.com designed by Steve Ward (additional info at worldofward.com) and used the schematic to generate some PCBs. Mike Byrne put together a tech topic presentation showing: how the controller fits into an automated rotary indexer; some of the project design trades (rotary table versus rotary indexer) and choice of microprocessors (PIC or Arduino); cited and technical resources. Parts and additional technical data is available from sites like SparkFun.com and AdaFruit.com. The Arduino project sites have construction guidance that is particularly helpful for beginner microprocessor projects.