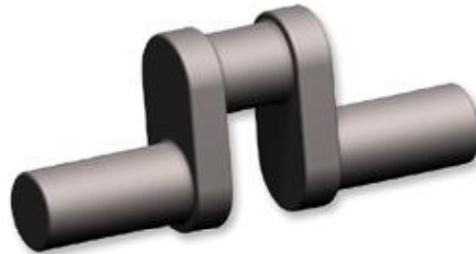


The Crank Calls



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MEMBERSHIP \$25.00 US

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

NEXT MEETING

**August 17, 2019 at
Golden Gate Live Steamers
Tilden Park
Berkeley, CA**

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

Upcoming Events

BAEM meetings 3rd Saturday of the month

- August 17, 2019 @ GGLS, Tilden Park
- September 21, 2019 @MoAH, Palo Alto
- October 19, 2019 @ GGLS, Tilden Park
- November 16, 2019 MOAH, Palo Alto

MEETING PLACE FOR AUGUST 17TH

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

Note that we will have a swap meet as part of our August meeting. It's time to bring your unused or extra tools, orphaned projects, no longer needed materials, or what-you-may-call-its to sell, trade, or give away.

MEETING NOTES

July 20, 2019
Mike Byrne

The July BAEM meeting was held at the Museum of American Heritage in Palo Alto, CA. Paul Denham convened the meeting.

Ken Hurst memorial service will be at 11 A.M. August 2nd at Tulocay cemetery chapel in Napa.

Tulocay Cemetery, 411 Coombsville Rd. (707) 252-4727

NEW MEMBERS/VISITORS: Visitors included Jim Sowerbrower.

FIRST POPS: Ray Fontaine reworked a Gage horizontal hit and miss made from Martin Models castings. He built the engine some years ago and recently reworked the valve seats to get it running.

TREASURER'S REPORT:

We continue to be solvent with sufficient funds. Club insurance was paid

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

SHOWS:

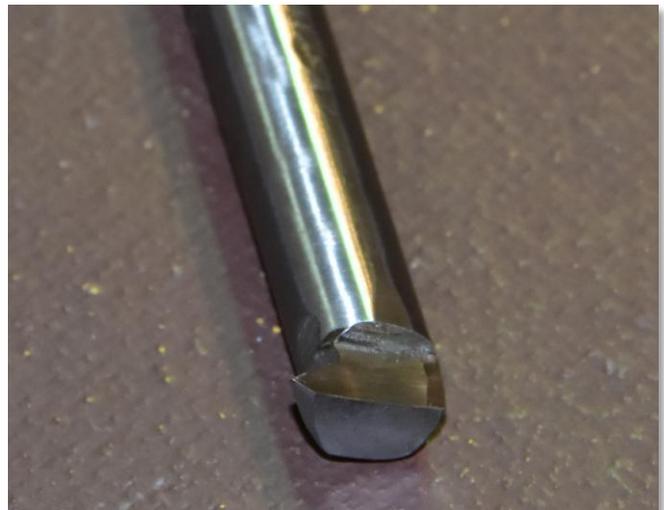
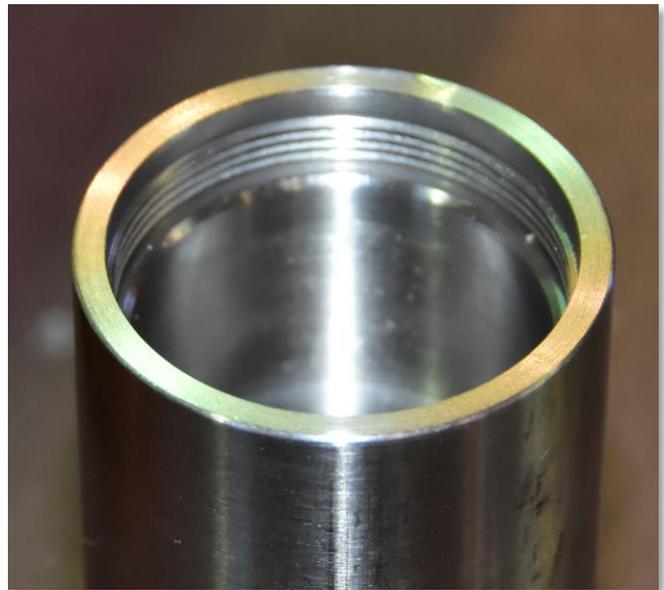
- Ray Fontaine showed engines at the Penngrove Power and Implement Museum on July 13. Former BAEM member Dave Palmer was also there with several steam engines.

- Good Guys show at Alameda County Fairgrounds will be August 23-25, 2019. Internal combustion engines will run outside.

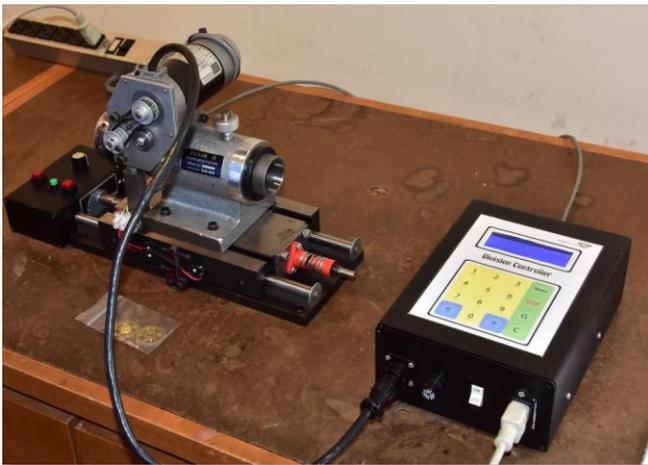
BITS AND PIECES



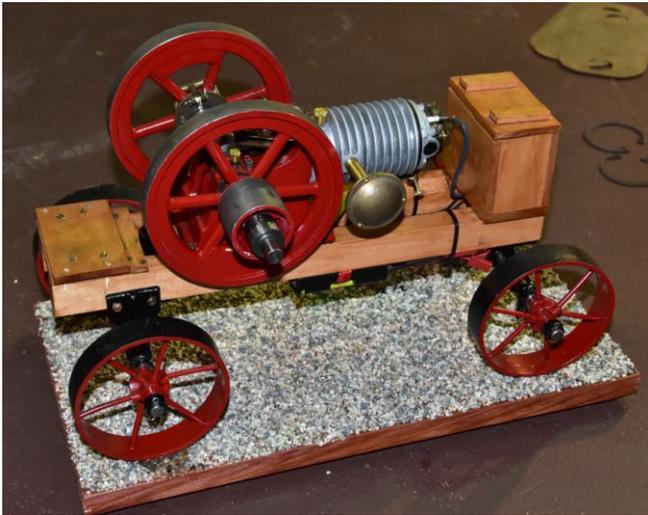
Larry Zurbrick showed progress on his GEM-1. He had the hopper mounted to the base with crank, rod, piston, and sleeve machined.



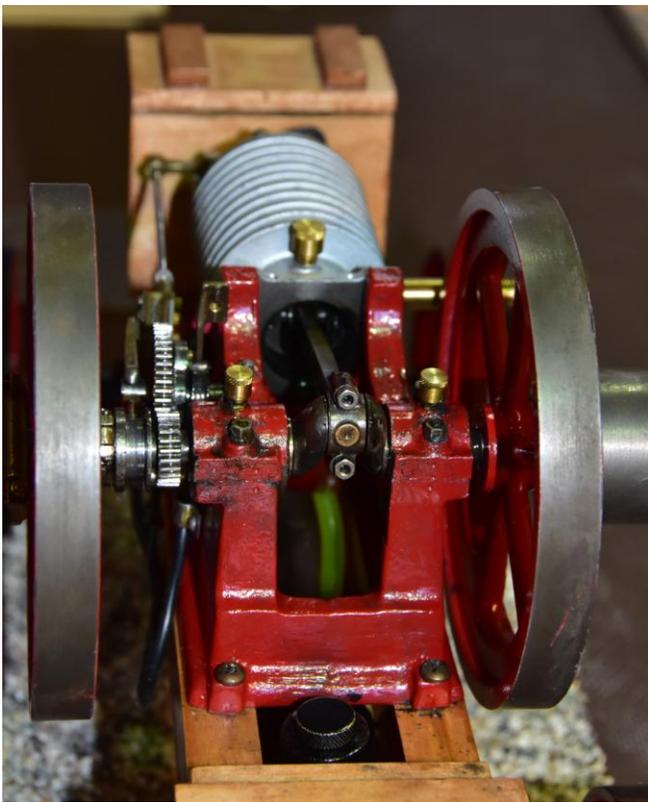
Dwight Giles discussed set up and tooling for cutting 23 x 1 mm internal threads with a shop made cutter for a stainless steel part. Metric threading requires keeping the threading advance engaged. Dwight also used CCW spindle rotation so cutter advance was from the bottom of the thread.



Carl Wilson brought his shop made CNC rotary indexer and showed gears made for a clock project. Indexer was built using a manual indexer with a Ward PIC controller and an EBay driver card with a stepper motor. A linear actuator moves the gear blank for each cut.,



Paul Denham and Dwight have also been collaborating on "1/2 Black Widow" conceived as a 4 cylinder prototype for the V-8 version. Paul had the crank shaft and a cam shaft completed.



Peter Lawrence showed coolant plumbing elbows for his Merlin project he assembled using silver solder. He is also intrigued by the Dusenbergs automobile engine and has started on a quarter scale project. It is a straight 8 with 4 valves per cylinder. He had one valve and valve guide completed so he only has 31 more to go. He found a digitized set of drawings for machining the cast engine parts that have been uploaded to http://www.baemclub.com/pages/engineering_refs.html.

Paul Denham reported continued progress on the Wyvern castings he got from Dwight.

Peter also researched the turbine that Dwight retrieved from a Mare Island dumpster and concluded that it was one of two counter rotating turbines that would have propelled a torpedo (picture in Jun 19 Crank Calls).

Bob Kradjian attended the meeting. He offered up surplus screws, nuts, and washers as well as a small PM steam engine casting set.