

The Crank Calls



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MEMBERSHIP \$25.00 US

Contact Paul Denham at
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DUES are now due!

NEXT MEETING

**January 18, 2020 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 except December

- February 15, 2020
- March 21, 2020
- April 18, 2020

MEETING PLACE FOR January 18th

We will meet this month (January) at the Museum of American Heritage in Palo Alto. The address is 351 Homer Avenue in Palo Alto.

MEETING NOTES

December 14, 2019

Note taker: Mike Byrne

BAEM meeting on December 14, 2019 was at the Golden Gate Live Steamers in Tilden Park.

This was the Holiday meeting and included the potluck luncheon.



Check for meeting location updates!

Look ahead schedule showing meeting locations thru 2020 has also been posted at <http://www.baemclub.com/pages/nextmeeting>

NEW MEMBERS/VISITORS: Richard Lundberg joined BAEM. Richard is also a Live Steamers member..

TREASURER'S REPORT:

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

The BAEM club is solvent.

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

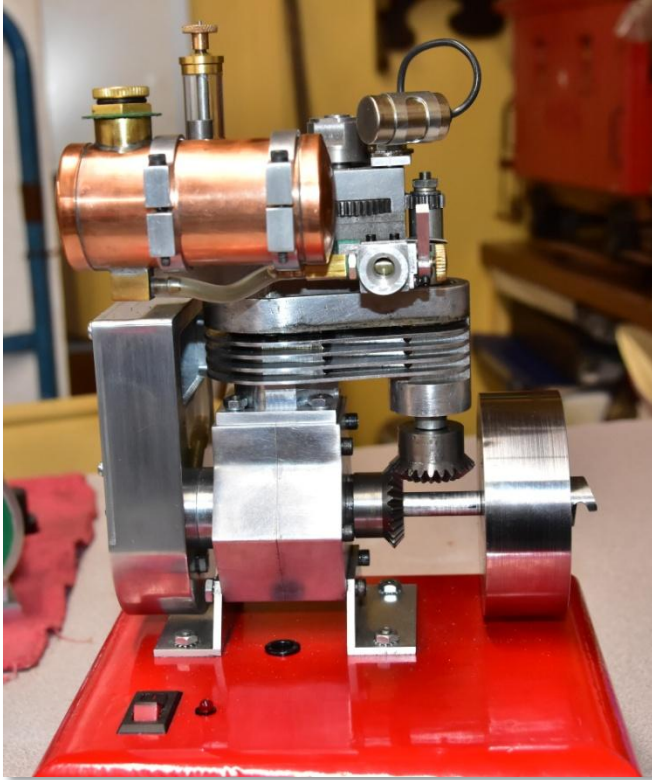
SHOW PARTICIPATION:

Nothing to report this month.

FIRST POPS:

Paul reported "first pops" for a couple of rework engines. One was the single cylinder marine engine Dwight was reworking that is now running (at surprisingly high rpm). The other was a Hercules that required redo of cylinder/rings and ignition get running.

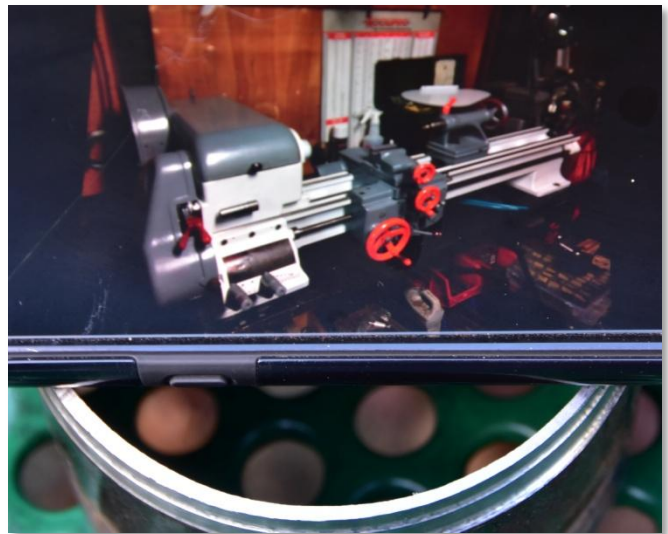
BITS AND PIECES



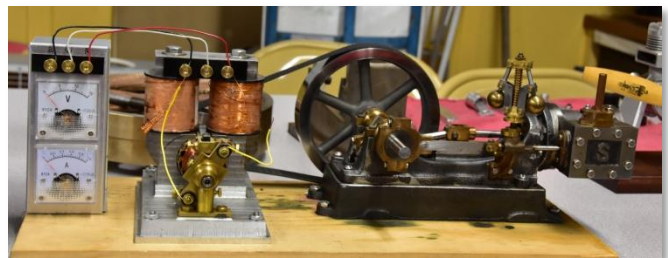
Larry Zurbrick show progress on his GEM. He had the head and hopper mounted on the base with crank, rod, piston, and valves; flywheels from Dwight. He did mention that rod fabrication took several iterations.



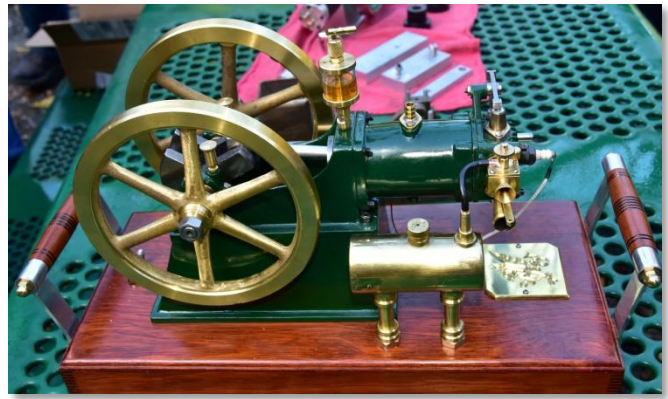
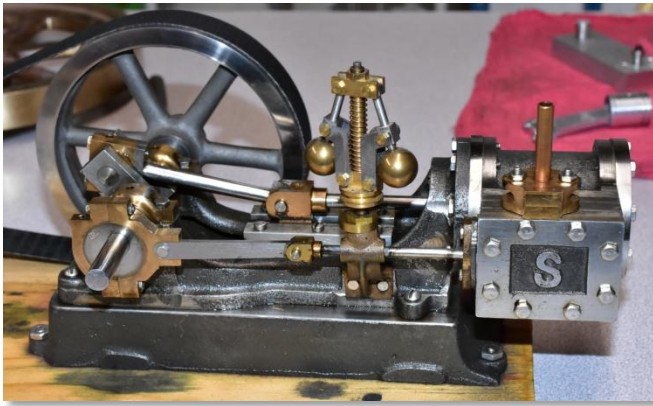
Joel Cohen brought in his rotary valve engine with an innovative, single gear driven valve. He has it mounted on a wooden base and reports that after some tuning, it is running well.



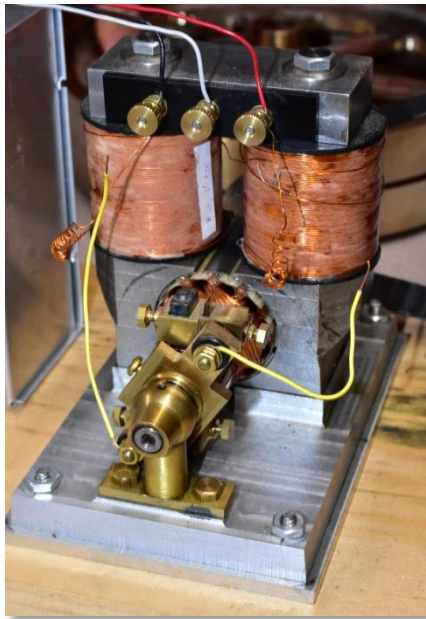
Jerry Franklin recently acquired a 1970's era Logan 11 lathe and reported "first cut" after rework and a new paint job.



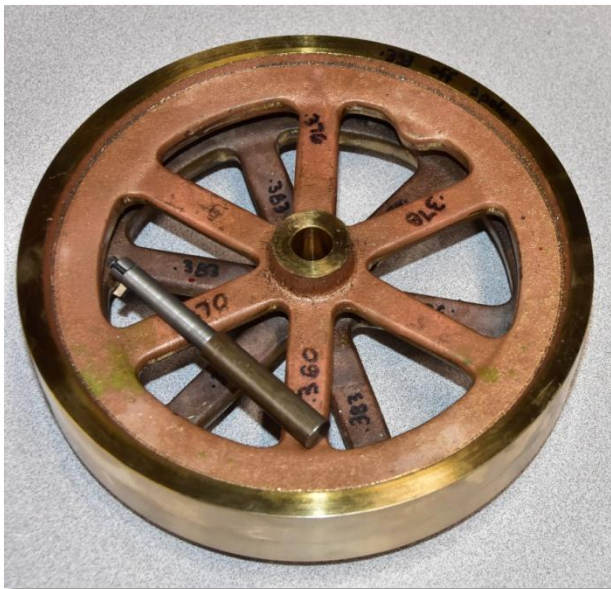
Peter Lawrence brought in his Stewart #9 steam engine set up to drive a shop made Edison dynamo that puts out 12 volts at 1200 rpm.



Paul Denham is adding finishing touches to the Wyvern built from the casting set he got from Dwight. It has a new paint job and one of Dwight's spectacular mounting boxes. Paul also reported some challenges due to lost spark plugs and seized bearings that trashed gears. The skew gears were machined at Mare Island and fortunately Dwight had spares (Hemmingway has them for \$50 without shipping). Paul added a spark advance/retard control to his reed relay ignition sensor and demonstrated how well the engine is running.



Mike Rehms brought the start of an "Odds 'n Ends Hit 'n Miss" engine by Phillip Duclos. Parts include the steel angle base and cast iron hopper and sleeve. Mike passed it on to Paul since Paul appears to be chronically short of engine projects. Plans for this engine and several others are available from Village Press in "*The Shop Wisdom of Philip Duclos*".



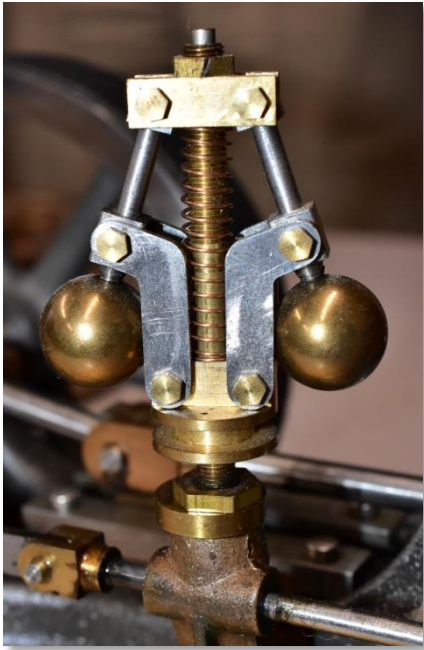
Ken Brunskill showed a shop made broach he used to cut tapered slots in large brass flywheels.

Tom Blanchard assembled an automated indexer. He uses Paul's clone of the Ward controller using a PIC 18F5420 microchip to drive a NEMA 23 stepper motor with a commercial rotary table. Intent is to use it as an indexer for gear cutting.

FOR SALE

Dick Pretel has a Challenger V8 crankshaft and a Wall 4 cylinder camshaft for sale. Both were made by Roger Slocum. Contact Dick at rpm11k@att.net if interested.

ALSO SEEN AT THE DECEMBER MEETING



"Say Governor, how do you control your speed?"



Dwight Giles Atomic 60