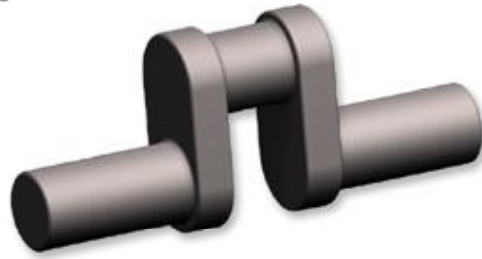


The Crank Calls



President	Paul Denham	pedenham@comcast.net
Secretary	Your name here!	Please consider volunteering
Treasurer	Deirdre Denham	pedenham@comcast.net
Events Coordinator	Steve Hazelton	steve.hzltn@gmail.com
Webmaster	Mike Byrne	mgbyrne3@comcast.net
Editor/Printer	Larry Zurbrick	baem_editor @pacbell.net

MEMBERSHIP \$25.00 US
 Contact Paul Denham at
pedenham@comcast.net
DUES are now due!

NEXT MEETING
March 21, 2020
meeting has been
cancelled!

Upcoming Events
 BAEM meetings 3rd Saturday of the month except December

- Next meeting dates to be announced after the current COVID-19 situation is resolved

MEETING NOTES

February 15, 2020

Note taker: Mike Byrne

BAEM meeting on February 15th was at Golden Gate Live Steamers building Tilden Park.

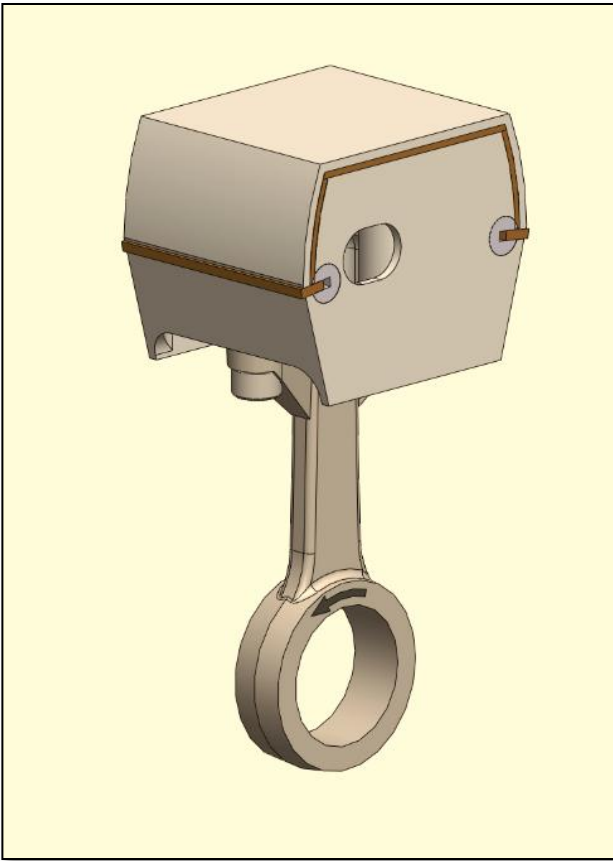
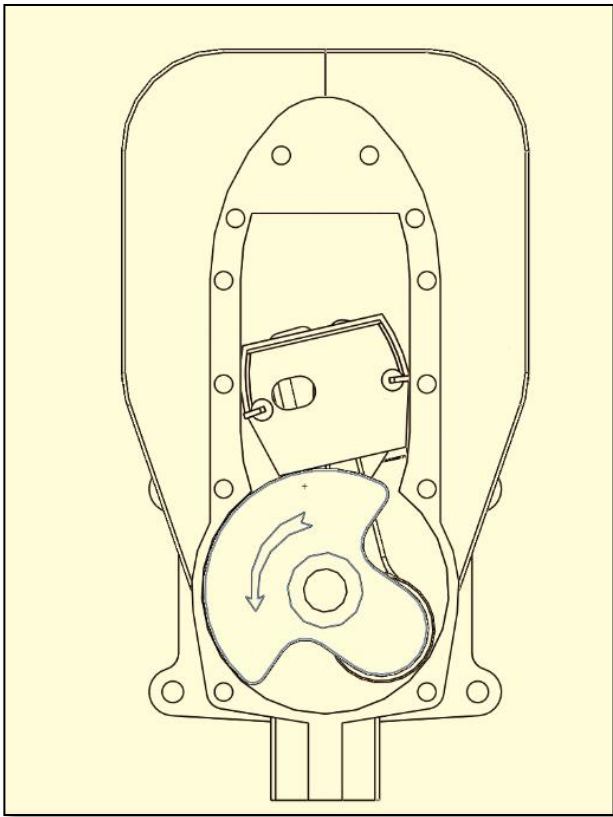
NEW MEMBERS/VISITORS:



Norman Hossack was introduced as a new member. He provided a brief summary of his background, including involvement with the McLaren racing team. He also brought the prototype of a hybrid engine he developed that uses a single piece

piston/rod and combines features of a Wankel rotary and a two-cycle reciprocating engine. Norm described the development and had a Plexiglas model to show piston, cylinder, and crank geometry. The prototype ran well after resolving subtle carburetion issues. Norm later provided the detail drawings shown on page 2.





Golden Gate Live Steamers sent a check for \$208 as the BAEM share for participation in a GGLS open house/show.

The **2020** dues of \$25 are due. Dues can also be mailed to Deirdre Denham at 1937 Merchant St, Crockett, CA 94525. Make checks payable to "BAEM".

The BAEM club is solvent.

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

MEETING VENUES:

Paul Denham announced adjustments in the BAEM meeting schedule to align with GGLS events. The June and October BAEM meetings will be the first Saturdays (June 7 and October 3) to overlap with GGLS open houses. Paul will be soliciting email inputs regarding frequency of south bay meetings at Museum of American Heritage.

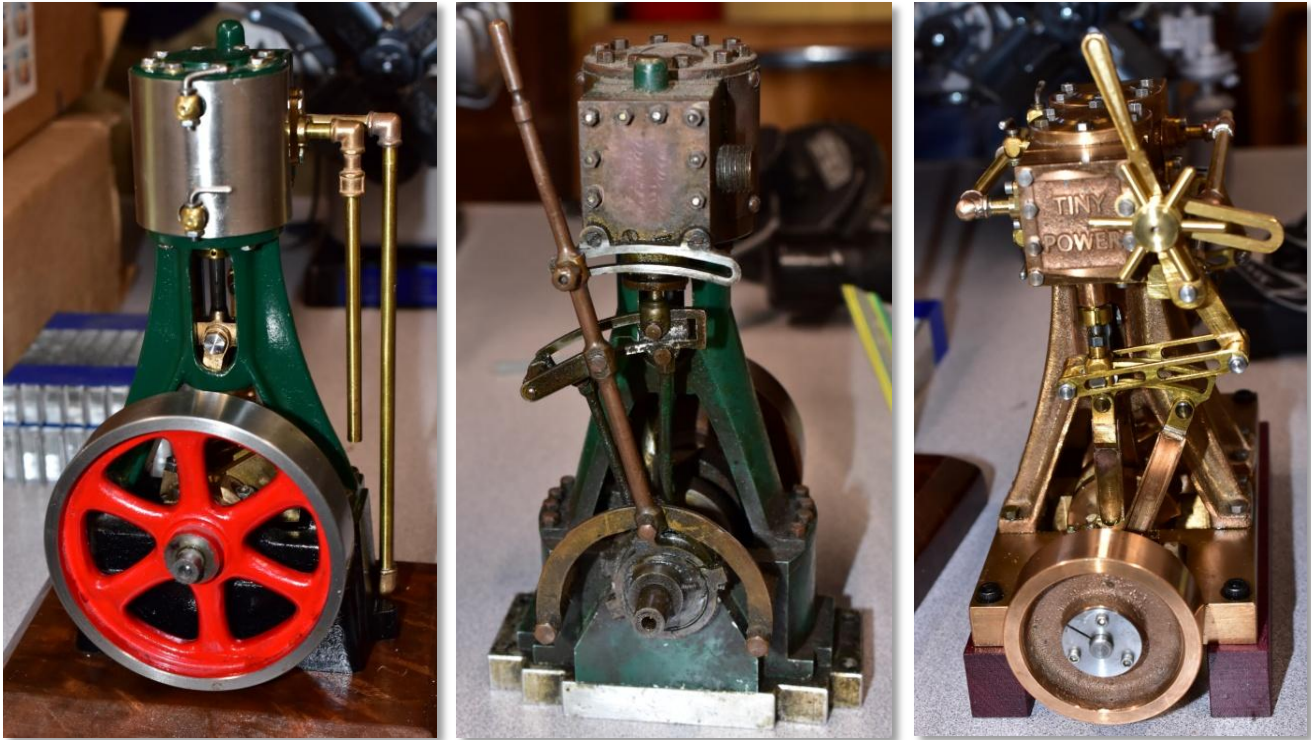
Watch Crank Calls and BAEM Web page for updates.

SHOW PARTICIPATION:

Nothing to report this month.

TREASURER'S REPORT:

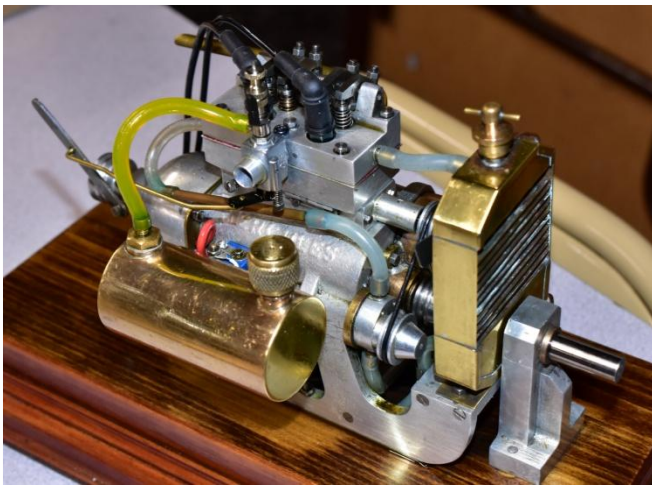
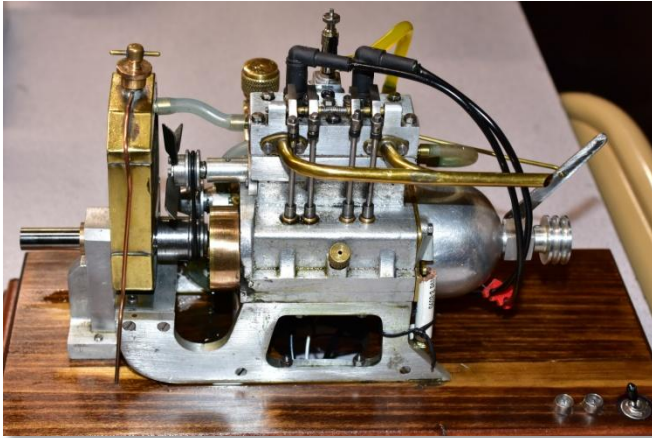
FIRST POPS



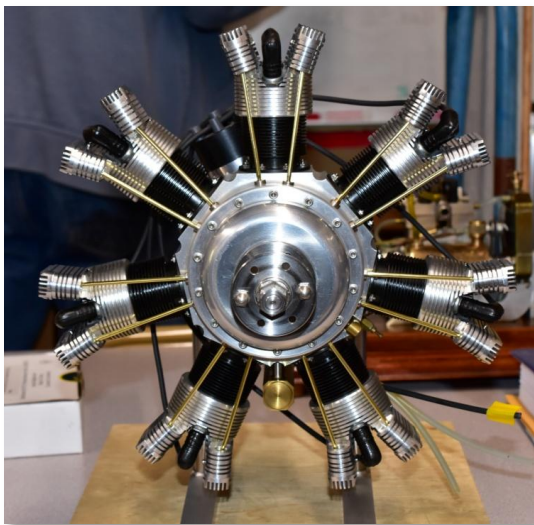
Paul Denham reported brought in several engine with first pops following rework. He showed a Westbury vertical steam engine (1 ¼ bore , 1 inch stroke) his father built from bar stock using 1947 Popular Science plans, a Stuart #7 Paul build from castings, a Tiny Power launch engine. Paul also brought the Wyvern he build using Dwight's castings. It has a new fly ball hit and miss governor.

In the interest of keeping your fellow members updated on your current projects and continuing the newsletter during the current COVID-19 situation, please consider sending your Newsletter Editor a few photos and with a description of your latest modeling activities. I will continue to publish this newsletter with your much appreciated inputs!

BITS AND PIECES

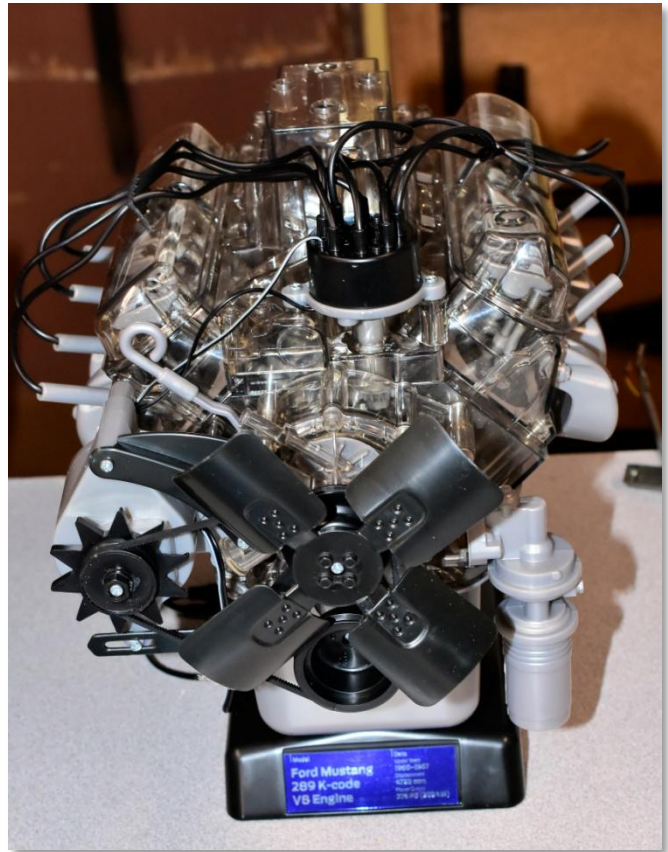


Bob Kradjian showed a reworked Bob Shores Hercules that needed help from Dwight and Paul to get running,



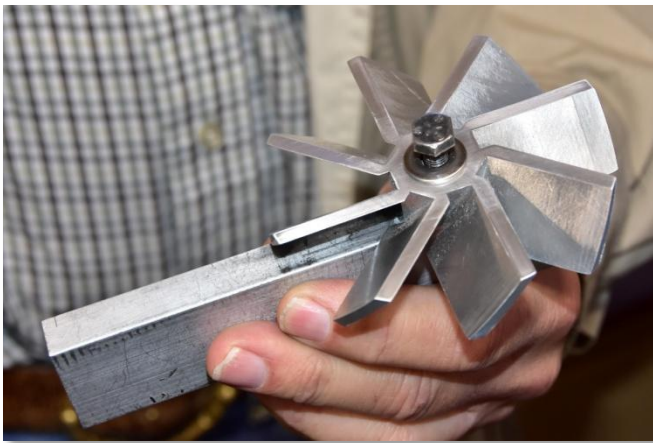
Bob Hettinger brought in a 7 cylinder Hodgson radial engine project displacing 7.5 in³.

Modifications include increased bore, a three part head, and 2 part crank.



Pat O'Connor brought a plastic model of a Ford V-8.

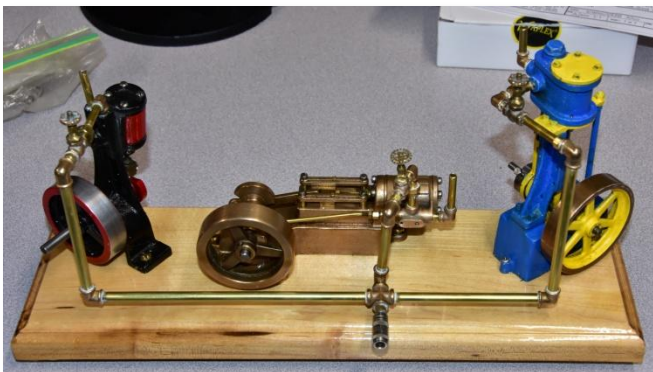
Paul Denham had a prototype demo for a shop made DRO controller based on Yuri's Toys (<https://www.yuriystoys.com/p/android-dro.html>). It features an Android tablet user interface that uses a blue tooth link to interface with a Texas Instruments MSP430 Launchpad Digital Readout Controller that reads the scales.



Joel Cohen showed the fan he cut for his next engine and describe the machining process he used (along with difficulties in capturing the design in CAD).

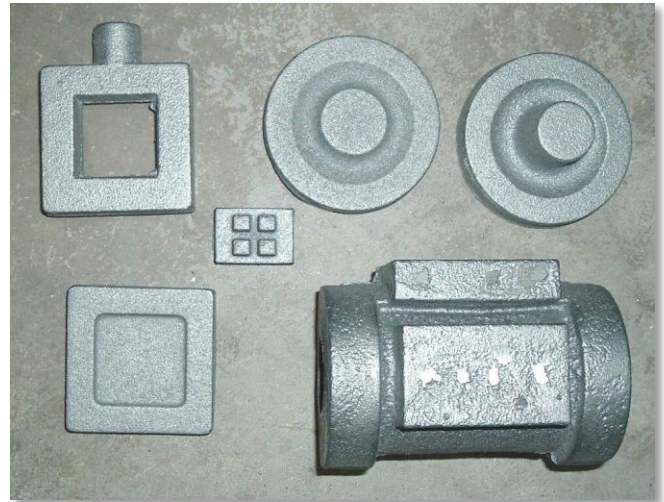
Jerry Kimberly from GGLS offered a partially completed hit and miss engine project for \$30.

Dwight Giles offered some rubber powered balsa and tissue model airplane kits he acquired in the mid 1960s



Ray Fontaine had a set of three steam engines that overloaded his live steam plant. He set up the steam plant with a single coke bottle engine which works better. Ray showed a model street lamp he 3-D printed to provide a generator load. He also showed progress on the Perl launch engine.

Tom Blanchard had several items to share. He had a steam donkey boiler and large castings for the engine (see photos below), some gears he cut with his newly completed rotary indexer, a 3-D printed piston ring splitter, and a Duclos Odds & Ends hit and miss project which showing considerable progress.



EBay acquired steam engine castings: Cylinder, covers, steam chest, cover, and slide valve.



Steam donkey image from Wikipedia; used by lumber industry to move logs.

FOR SALE:

Item for sale #1: Dick Pretel is selling his home machine shop after several decades of successfully building multiple internal combustion model engines. Included are a Bridgeport Series 1 mill and Clausing 5914 lathe with DRO readout. Both are in excellent shape. The Bridgeport mill head has Barden 7 spindle bearings and was professionally rebuilt. There are numerous tooling pieces including end mills, reamers, etc. too numerous to list. Note that the entire machine shop is to be sold as a single lot. It will not be pieced out. Asking price is \$18K or best offer.

Item for sale #2: Dick has a collection of new and reconditioned Paul Knapp Rimfire spark plugs in various thread sizes and reaches.

If you are interested in either item, contact Dick at 408-732-6507 or by email at rpm11k@att.net