

The Crank Calls



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MEMBERSHIP \$25.00 US
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NEXT MEETING
Saturday, September 18, 2021, at the Golden Gate Live Steamers clubhouse in Tilden Park, Orinda, CA
Gate opens at 9:00 am
Meeting starts at 10:00 am
Meeting will be outside without masks.
Mask required in clubhouse.

Upcoming Events

- Sep 18: BAEM meeting at GGLS
- Sep 19: GGLS Open House, 11 am to 3 pm
- Oct 1-2: Antique Equip Show in Galt, CA
- Oct 16: BAEM meeting at GGLS

See below for more details regarding events. Watch Crank Calls, BAEM emails and BAEM web page for updates. BAEM meetings are usually 3rd Saturday of the month except December.

MEETING NOTES

August 21, 2021
BAEM met outside at Golden Gate Live Steamers in Tilden Park on Aug 21, 2021. There were 23 members in attendance.

NEW MEMBERS/VISITORS

BAEM members are reminded that visitors are welcome at our club meetings, and we're always looking for new members.

TREASURER'S REPORT

BAEM president Paul Denham reported the club is financially solvent.
The 2021 dues of \$25 have been due since the beginning of the year. Give your check to Paul Denham, or mail to Deirdre Denham at 1937 Merchant St, Crockett, CA 94525. Make checks payable to "BAEM".

CLUB BADGES

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

UPCOMING SHOWS/EVENTS:

- **Golden Gate Live Steamers Open House scheduled for Sunday, September 19.**

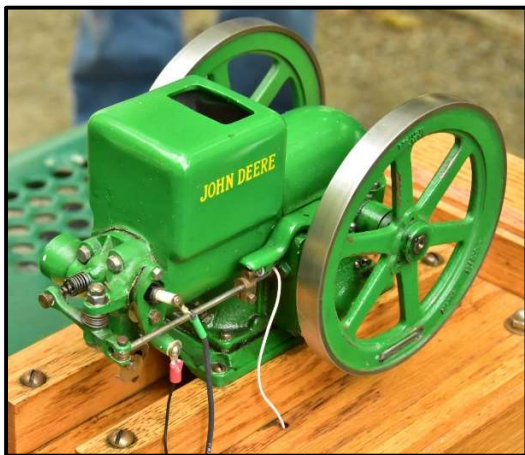
Paul Denham noted that the BAEM September meeting date would be the same weekend as the GGLS open house. Saturday is the BAEM meeting and Sunday is the GGLS open house, open to the public, 11 to 3. Paul suggested bringing engines to show on Sunday.

- **Antique Equipment Show at McFarland Living History Ranch in Galt, CA Oct. 1-2.**

Ray Fontaine had flyers for the Branch 13 Antique Equipment Show in Galt, CA on Oct 1-2. He reported that the last Galt show he attended was hot, dusty, smokey and smelly, and he had a great time.

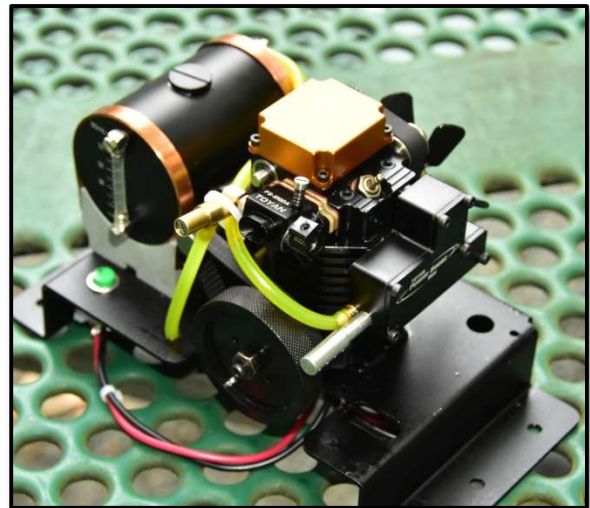
FIRST POPS

Ray Fontaine reported “first pops for him” with the John Deere he acquired from Tom Armstrong’s estate. Ray had seen the engine at a show early in his model engineering career and admired it. Ray recalled that Tom had trouble keeping the engine running. Ray reported that a new ignition driver solved the problem.



BITS AND PIECES

George Spain showed his single cylinder Toyan engine, which he assembled from a kit he bought from Banggood. It runs on nitro methane, using a glow plug. George said the kit was well done, with the exception of an undersized bearing. Banggood offers a variety of model engine kits. Here’s a link: <https://usa.banggood.com/search/model-engine-kits.html>



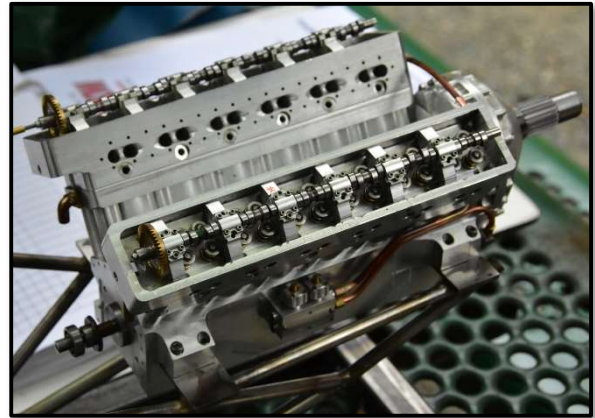
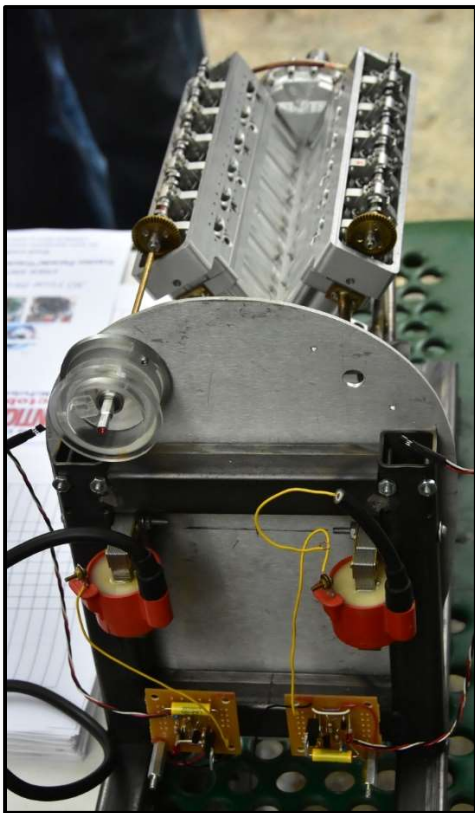
Dwight Giles shared some of the tooling he used to accomplish a precision machining job. The job required internal and external threading with 1 mm pitch. Dwight’s solution was to make a holder to grind the 1/8 inch tool bits. He first roughed them out on his belt sander, then ground a precision cutting edge on his Accurite low speed diamond grinder for final finish. (Sorry, didn’t get photo.)



Larry Zurbrick continues to make progress on his GEM1. He had the head and carburetor done and acquired a muffler from Dwight. Larry also counseled the meeting note taker on how to correctly spell his name.



Peter Lawrence has his Merlin mounted on an engine stand with a fire wall and two Sage/Geddi ignition drivers. Recent work involved the oil distribution supply, pressure regulator, and plumbing fittings. He mentioned that end fittings were nicely silver soldered copper tubing, but the solder also plugged the lines.



Mike Rehmus showed a number of 3-D printed parts associated with a small steam engine project he envisions powering with CO2 cartridges. He is using a Qidi i-box LCD resin printer. Mike reports parts have very good dimensional accuracy with the UV activated resin and modeling shrinkage in the solid model design.



RAMBLINGS

Working on an interesting project? Got a great BAEM story? Share it with us here. Send us pics and project details, and your hard work will be shared with the entire club.

WANTED

BAEM member Larry Bunch wants to purchase a Logan 11 x 36 Lathe and asks that anyone who knows of one for sale please contact him.

-Larry Bunch, 209-404-6700
wendyroky2@gmail.com

FOR SALE

Rong-Fu RF31 Mill Drill & stand (made in Taiwan) with DRO on X-Y axis plus quill mount for dial indicator on Z axis. Has power down feed and table feed. Includes swivel vice with degree scale, a sine vice, and a rotary table w/ 3 jaw vice. Other accessories include 3 drill chucks, parallels, adjustable parallels, fractional R8 collet set, face mills, vertical boring holder, boring bar set, end mill sets, clamps and jacks. It weighs 600 lbs. without the stand. May be able to arrange for forklift to load. Asking \$3500 for the lot.

Mike Phelan
925-376-3191
phelanfolks@comcast.net

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BAEM member George Spain is offering for sale three different professional-level cylinder boring devices. All are used, but in good condition.

1. VAN NORMAN 777-6 Boring Bar.

Boring bar with stand and tool kit.
Price: \$ 1500

2. VAN NORMAN 944 Boring Bar.

Boring bar with stand and tools.
Seen elsewhere for \$ 2,200 – 4,800.
Price: \$ 1500

5. STRONG Boring Bar.

Boring bar, table model, with tools.
Bores 40mm to 70mm.
Seen elsewhere for \$ 1,600 – 2,750.
Price: \$ 1500

For further information, contact George Spain at
Phone: 707-342-2931
Email: geobev11@att.net

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BAEM member Carl Wilson is helping distribute the engine models and shop items of recently deceased BAEM member Tom Armstrong. Listed below are casting kits, engine models, and a steam plant that remain available. Carl has created a spiffy .pdf catalog, with photos, that he will be happy to send you via email.

Casting Kits

Gade gas engine, Martin Models, \$250
Stuart 10H, ¾" bore by ¾" stroke horizontal steam engine, \$150
Stuart Beam Engine, \$250
Stuart Score, twin cylinder horizontal steam engine, \$175
Stuart Victoria, 1" bore x 2" stroke, horizontal steam engine, \$250
Hemingway Wyvern, 1 ¼" stroke by 2" bore horizontal gas engine, \$250
Hemingway Kiwi, 15cc, overhead valve, vertical gas engine, \$175
Reeves Vulcan, beam type steam engine, \$275

Other Stuff

A George Thomas pillar tool including the castings to make a small drill press. \$75
Mery Explosive Vapor Engine – machining complete but not running - \$500
Quorn Tool & Cutter Grinder – complete but some surface rust - \$500
Short piece clamp for cutoff bandsaw \$25 (Alum rectangular block)
Set of Mitotoyu gage blocks, both 0.1000" wear blocks missing \$50

Steam Demonstration Plant



Henry Cranna, longtime member of West Valley Live Steamers, built this steam demonstration plant. It has a locomotive type boiler, twin cylinder oscillating engine, and a control panel. It was intended as an educational plant in how steam is generated, controlled, and utilized. Boiler operates on propane and a 5 gal tank is included. It is built on a shop cart with casters. Best offer.

Contact Carl Wilson for additional details.

Carl Wilson
Phone: 650-967-7715
Email: toolcarl@comcast.net

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Dwight Giles has some stuff he is offering:

-1.5 hp electric motor. 1750 rpm. 110/220v AC single phase. Heavy! Price: Free!

-Engine Mount Box. Beautiful wooden box for mounting your larger engine. Perfect for a Black Widow V8. 3 available. Price is \$200 donation to club.

Contact Dwight at jig313@aol.com
or phone: 707-648-1481

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Paul Denham mentioned that he had received an e-mail from someone saying he had a Unimat 3 available. If interested, ask Paul for contact details.

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Got something you'd like to sell? Your ad is free and will be seen by likely customers.

NEWSLETTER CONTRIBUTIONS

Your contributions to this newsletter are appreciated: workshop reports, tech articles, reviews, historical pieces, whatever. You contribute, we'll figure out how to post it. Send your contributions to either or both of us. Thanks!

-Mike Byrne at mgbyrne3@comcast.net
-Wes Wagnon at weswag@ix.netcom.com

