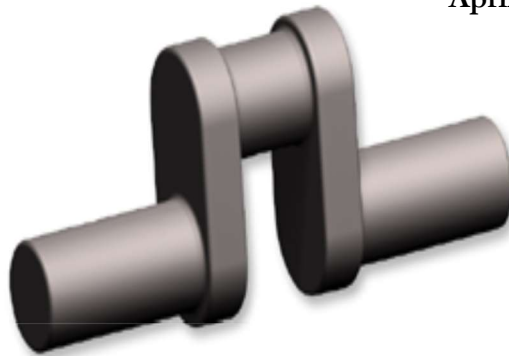


The Crank Calls



President	Paul Denham	pedenham@comcast.net
Secretary	Your name here!	Please consider volunteering
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MEMBERSHIP \$25.00 US
 Contact Paul Denham at
 pedenham@comcast.net

NEXT MEETING
Saturday, April 16, 2022, at the
Golden Gate Live Steamers clubhouse site in
Tilden Park, Orinda, CA
 Gate opens at 9:00 am
 Meeting starts at 10:00 am
 Meeting will be inside, without masks.

Upcoming Events

- Apr 16: BAEM meeting at GGLS
- May 21: BAEM mtg and GGLS Spring Meet
- May 22: GGLS Spring Meet/Open House
- June 18: 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

Monthly Bay Area Engine Modelers meeting was held at Golden Gate Live Steamers site on March 19, 1022. Twenty-three members and one guest were present.

last month's meeting. Nice to see you again, Janai. Hope we see more of you.

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

NEW MEMBERS/VISITORS

We were pleased to again welcome guest Janai, the fifth-grader who we first saw at

TREASURER'S REPORT

BAEM president reported that club remains financially solvent and that 2022 dues of \$25 are due. Give your check to Paul Denham

at the next club meeting, 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 a badge, contact Mike Rehms (mrehms@byvideo.com) who has offered to produce them.

UPCOMING SHOWS/EVENTS:

Golden Gate Live Steamers spring meet is planned for May 21-22. Open house is on May 22. BAEM participation is welcome.

FIRST POPS

None reported.

BITS AND PIECES

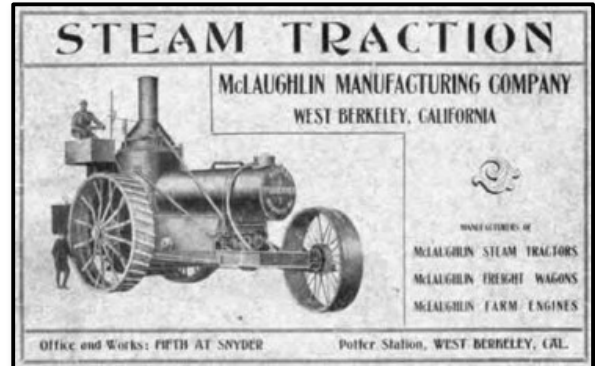
Charlie Reiter brought in an interesting steam engine with boiler. It dates from the early 1900s and Charlie documented its provenance in a plaque affixed to the bottom of the base.



Charlie Reiter and 1912 steam engine model

Charlie also brought in an interesting differential assembly for a model McLaughlin

steam tractor. The differential was a planetary gear assembly. The McLaughlin company was located in West Berkeley.



Correction: Feb Crank Calls incorrectly posted a fire engine picture with what appeared to be wooden spoked wheels. Correct reference should have mentioned a 1910 La France horse drawn fire engine, pictured below.



Peter Lawrence brought in his Merlin and reported progress resolving camshaft issues. He corrected some grinding issues and lapped the bearings. The bevel gears now turn the cam shaft correctly.

Peter also described a project to build a removable automobile hang glider rack. He wondered if anyone had suggestions for removing the weld seam on the inside of square steel tubes, which prevents the tubing from telescoping. One suggestion was to procure square tubing that was formed from seamless round tubes. Wes Wagon suggested using a grinding device developed to specifically

address the issue, the Seams Impossible Internal Weld Remover: <https://gregsgaragekc.com>

Jerry Franklin reported continued progress on his Little Devil vertical hit and miss engine. He has finished a number of parts including carburetor components.

Mike Byrne described his ongoing efforts to apply CNC classwork from DeAnza Collage to a recently acquired desktop mini mill. He showed several proof of concepts cuts of flywheels, text engraving, spur gears from Gearotic g-code, and exhaust cam profiles. <https://www.gearotic.com>



Mike Byrne's G-code results

Paul Denham is working to complete a Wall 4 project originally started by Dwight. Paul showed a new head to replace the original flathead design. Paul empathized with Perter Lawrence, since he had also done the laborious job of lapping crank shaft bearings.



Paul Denham's Wall 4 head redesign

Of interest, Paul also happened on a 1940 issue of Model Maker magazine that featured the Wall plans and a cover picture.



*Admiring the Wall 4
(Note the workshop clothing!)*



Mike Rehmus and strange Russian gear

Mike Rehmus and Dwight Giles showed a gear used in a recreation vehicle to slide a room expansion in and out. The gear mechanism was of Russian origin, and somewhat unusual. They used Gearotic to draft up gear dimension for the Russian gears and utilized an automated Sherline rotary indexer to cut the part with a shop made fly cutter.



Crank Calls notetaker Mike Byrne hard at work

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
wendyrocky2@gmail.com

FOR SALE

Machinist/Woodworker Estate

Sale

Paul Denham is assisting a widow with the sale of her late husband's workshop:

My good friend passed recently, and his wife asked me to help liquidate his shop machinery. Sorry I don't have prices yet but anything reasonable will be accepted, I am sure.

Machinery:

1. ZAY7045FG Mill-drill machine. It has the base, DRO, Kurt vise, collets and more tooling, I am sure. Cost new was \$1400 for mill, \$600 for vise.

2. A vintage heavy 10 South Bend lathe. Looks good for a 1930-40 lathe. No motor connected but available, I think. It is an engine lathe and looks in good condition. I think "free" to someone wanting it.

3. 2 grinders: 1 Craftsman, 1 diamond wheel Chinese clone.

4. MIG welder: Lincoln SP-135, plus a couple of argon tanks.

5. Big Arbor press.

Wood working tools:

6. Makita power planer 2012NB. In excellent condition. Cost new \$1000.

7. Delta 12" miter saw.

8. Craftsman heavy duty folding table saw.

9. 2 scroll saws: 1 modern, 1 deep throat old heavy cast iron frame. Delta.

10. Assorted power and hand tools. Too many to list.

Any help on suggested prices would be most welcome. I will bring a laptop with pictures to the monthly meeting.

-Paul Denham

Phone: 925-917-1987

Email: pedenham@comcast.net

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Lathe for sale.

Grizzly g0602 10x22 lathe
<https://www.grizzly.com/products/grizzly-10-x-22-benchtopy-metal-lathe/g0602>), new, never used. Price and tooling negotiable.

Contact Bill Weber

Email: billweber3@comcast.net

Phone: (925) 577-3142

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Mike Rehmus has a large, heavy welding table he would like place in a new home. Mike estimates the table is 350 pounds including the quarter inch steel top. If you're interested in it, contact Mike at mrehmus@byvideo.com.

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Mike also has a "nearly new" Qidi S-box LCD resin printer for \$400. Apparently, he doesn't need two. He also has some extra Frisco Standard bearing block mold plugs for less than production costs.

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Dick Pretel has a number of model engine connecting rods available for sale. Large rods are 2-1/2 inches center to center; small rods are 1-15/16 inches center to center. Big end bores are 7/16 inches on both. Wrist pins are included (O1 tool steel, hardened to Rockwell C60, 0.1875" ground to +.0002, -.0000, centers on both ends.) Price is \$12 per rod. Contact

Dick via email (rpm11K@att.net) with questions or orders. Drawings at <http://www.damgood.com/product-model.html>

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Jerry Franklin has a Taiwan Bridgeport clone for sale. It's a 1980 EXACTO model 942b milling machine with 9x42" table, 220/440 3 phase power. Better than average condition. Located in Milpitas. \$2200. Leave contact info at 408 263 8577 (voicemail) and Jerry will get in touch with you.

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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.

VAN NORMAN 777-6 Boring Bar.

Boring bar with stand and tool kit.

Price: \$ 1500

VAN NORMAN 944 Boring Bar.

Boring bar with stand and tools.

Seen elsewhere for \$ 2,200 – 4,800.

Price: \$ 1500

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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Dwight Giles has a vintage motor he is offering:

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

Contact Dwight at jig313@aol.com

or phone: 707-648-1481

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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 Wagon at weswag@ix.netcom.com



LAST WORD

Forwarded by Mike Rehmus. . . .

