

Meeting Notes

June 18, 2005 Bob Kradjian, Secretary

Last month's meeting was a swap meet. There was no formal program. So instead of the usual secretary's minutes, I thought you might fancy an update on the activities of some of our members.

Carmin Adams is dividing his time between fighting termites and restoring another antique machine. This time it's a K.O. Lee all-purpose grinder (1946 vintage) that "just jumped into his truck". It had been stored outside, under a tarp, and was dirty and rusty. However, it was complete and Carmin says that it cleaned up beautifully and is now ready for paint. When not working on the grinder, Carmin plugs along on the three-cylinder Morse.

John Palmer has just restored a "Simplicity" hit and miss engine for a friend. This one was used as a motor for an agricultural sprayer by the John Bean company of San Jose in the early 1900's. John had to build a carburetor for the three and a half inch bore engine. An unusual feature of the Simplicity is that it has a hollow connecting rod. An opening near the wrist pin end transfers the oil mist down to the crankshaft journal.

Down in Southern California, our two stellar members **Roger Butzen** and **Bob Haagenson** are very productive.

Roger is well into a very ambitious project. This is a 426 cu. in. "Hemi" in one-quarter scale. He's whittled out the block from solid, finished the sleeves, and babbited the main bearings. The end plates will have robust roller bearings. Roger obtained books and manuals from Dodge to document and scale the engine. He also is using a plastic display model for reference. He hopes to have it run-

ning in less than a year.

Bob Haagenson is cranking out engines like no one else! He finished a tiny, original design, V-8 with a 5/8 "by 5/8" bore and stroke. This engine has overhead valves, pushrod activated. He is sorting out leaky valves, which are a terrific problem in engines of that size.

If that isn't enough, Bob has also finished a "Wall Banger" which is his version of what the venerable Wall Four really should be. This flat-head engine is 1 1/4" bore; 1" stroke, and---according to Roger Butzen---"really rips." He is using an unmodified Walbro-type carburetor with a small throat.

Not done yet, Bob is finishing up a Bob Shores "Little Devil" from castings Ken furnished. This one is not yet running.

Bob and Roger have been putting on engine shows down South to complement the BAEM work up here! On July 9 and 10 they will display at the Cable Airport in Upland. This event is called the Pomona Valley Air Fair and this year will mark their third appearance. On August 13, they will put on a display at a Big Bear Lake auto show. We're proud of the accomplishments of Bob and Roger.

Lew Throop is following Roger Butzen's example and is building a Harley-Davidson. He didn't start with the crankcase, but is shaping the cylinders now. He has completed the pistons, con-rods, and rings.

Continued on Page 3



Castings for the 4-cylinder made from the new V-8.



Chris, John, and George



Roaming the Tables

New 4-cylinder from the crankshaft end



Pat O'Connor's Wall 4 Cylin-

Photos By Mike Rehmus

Check out the BAEM Web Site at www. baemclub.com Send your project photos to the Web Master Jim Piazza. Phone: 408-446-4825 Email: jpiazza@ix.netcom.com

FOR SALE

Tree Journeyman 310 – 3 Axis CNC Mill DynaPath - Delta 10M Control Table 10" X 44" Spindle Taper 30NMTB With some tooling & manuals \$4500.00

David Palmer 707-938-2181 Brian Palmer bdpalmer@sonic.net

WANTED a Wall side draft carburetor with float to restore old engine. Also a bronze casting to hold ignition points. These were used on many wall singles.

I also need some 1 1/4 piston rings .065. to .070 wide to restore a old engine.

Dick Pretel 408 732 6507

Continued from Page 1.

Dick Pretel is rebuilding a Ken Brenneman single. This engine is similar to a Wall single with overhead valves in a hemi-head. Dick is rebuilding the head. Brenneman and our Ed DeGear were formerly competitors in tether-boat racing at the Spreckel's Lake with these engines. Dick is also working on exhaust manifolds for his amazing four-cam V-8.

Pat O'Connor has been spending his time on the computer trying to decide where to locate the two Rootes type blowers on his twin crank, opposed piston four. He is also doing a redesign of a 2-cylinder inline for a friend.

Jim Moyer in Washington State is soldiering along on his tiny $(1/6^{th} \text{ scale})$ small-block Chevy V-8. He has finished the distributor and is now making his own 00-90 pan bolts. Jim is a patient builder and took around seven years to complete his amazing little four-cylinder gem.

Shannon Lile found a 1960's Craftsman Commercial 12" lathe in Redwood City. He is completing the clean up and refitting on the machine and working on a 1/4 scale Nova from Pacific Model Designs (Bob Bromps).

Dick Remington is also cleaning up an Emco-Maier Maximat Super II lathe. He found this in a private sale and it has very little wear. A trip to the Emco web site confirms that this is a very fine piece of machinery.

George Gravatt is finishing the Galloway 1/3 scale. He has had it running and it only needs a stand. The castings are from Alan Shelley; the original engine developed 5 horsepower.

Dwight Giles is completing the Upshur Marine Motor for the third issue of Model Engine Builder Magazine. This single-cylinder engine uses a T-Head arrangement. Dwight is also modifying Ken Hurst's cam grinder with a half horsepower motor to give it more "oomph". **Ken Hurst** is working on his crankshafts for the five main bearing V-8 and very busy with his backflow valve work.

Our wonderful English member, **Clen Tomlinson** has his Deltic engine "up together." That is, everything except the finishing touches on a complicated ignition system. He has completed a six element infra-red optical unit and three dual low-tension distributors. To be done are eighteen high-tension coils and six CD units in a miniaturized "black box." If that isn't enough, he is roughing out the CNC "waxes" for an even more complicated Napier engine. In his spare time he is working on a sports car restoration and a motorcycle re-build!

Let me know of your projects, we can feature them in future newsletters.

TECH TOPICS:

July's Tech Topic will be presented by Steve Jasik.

He will show and describe the uses of his Accu-Finish Series 1 portable tool grinder.

Accu-Finish Sharpens: Carbide Ceramics Cermets High Speed Steel and many PCD/CBN

Interesting late 1930s "WALL FOUR" information. Provided by Ken Hurst





Upcoming 2005 Events By Dick Pretel, Events Coordinator

West Coast Engine Exhibitions For 2005

3nd Annual Men, Metal, & Machines! Visalia Conventions Center. Visalia, CA
October 22 & 23, 2005. Phone: 1-800-789-5068.
Web Site: www.cabinfeverexpo.com/MMM

GEARS 2005

September 24-25, 2005 in Portland Oregon

FOR SALE

Emco/Mier CNC lathe for sale. Compact 5 with automatic six position indexing head and all accessories for operation. Mounted on roll around stand. Lathe has hardly been used and is tape driven. Lathe can be updated with a new board and software to accept G codes from your computer. Original cost was \$14,000 purchased in 1992. Asking \$3200/best offer.

Dick Pretel 408 732 6507

BAEM is invited to the following events By Dick Pretel, Events Coordinator

Gotelli car show Saturday Sept 27, 2005, 9AM-5PM

Good Guy's West Coast Nationals, Pleasaton August 26-28, 2005

Historic's at Monterey, TBA

Model Crankshafts and Camshafts By Roger Slocum

Hardened and ground alloy steel crankshafts Web Site www.cranksandcams.com Email: roger@cranksandcams.com.

Model Engine Builder Magazine

A magazine for Model Engineers who like Internal Combuston engines 4 times per year Build articles for a range of builder experiences Technical articles Separate B-Sized drawings

> \$29.95 for 2005 All issues still available Call 866-996-8999 toll-free

