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**Last Month's meeting** was held at **Tom Miller's** railroad extravaganza. What a layout. What fun. Thanks for making this a most memorable meeting, Tom.

**The Date for the June Meeting is delayed one week to June 18.** The location remains at **John Pohlpetter's Musicodian Museum** in Oregon City. See Carl Petterson's directions elsewhere in this issue.

**Membership Report**

Last month we could report five new members. Our club has 125 paid members of which 90 have renewed their 2005 membership. You can renew at the June meeting at John Pohlpetter's museum.



**Later 2005 Meetings**

**July 9**, club picnic at Bud Statton's, Banks

**August 13**, Club 10th Anniversary Meeting at Dave Carr's shop, Hillsboro.

Regular September meeting on September 10 will be arranged if member interest is there.

**September 24 & 25**, GEARS show, Portland.



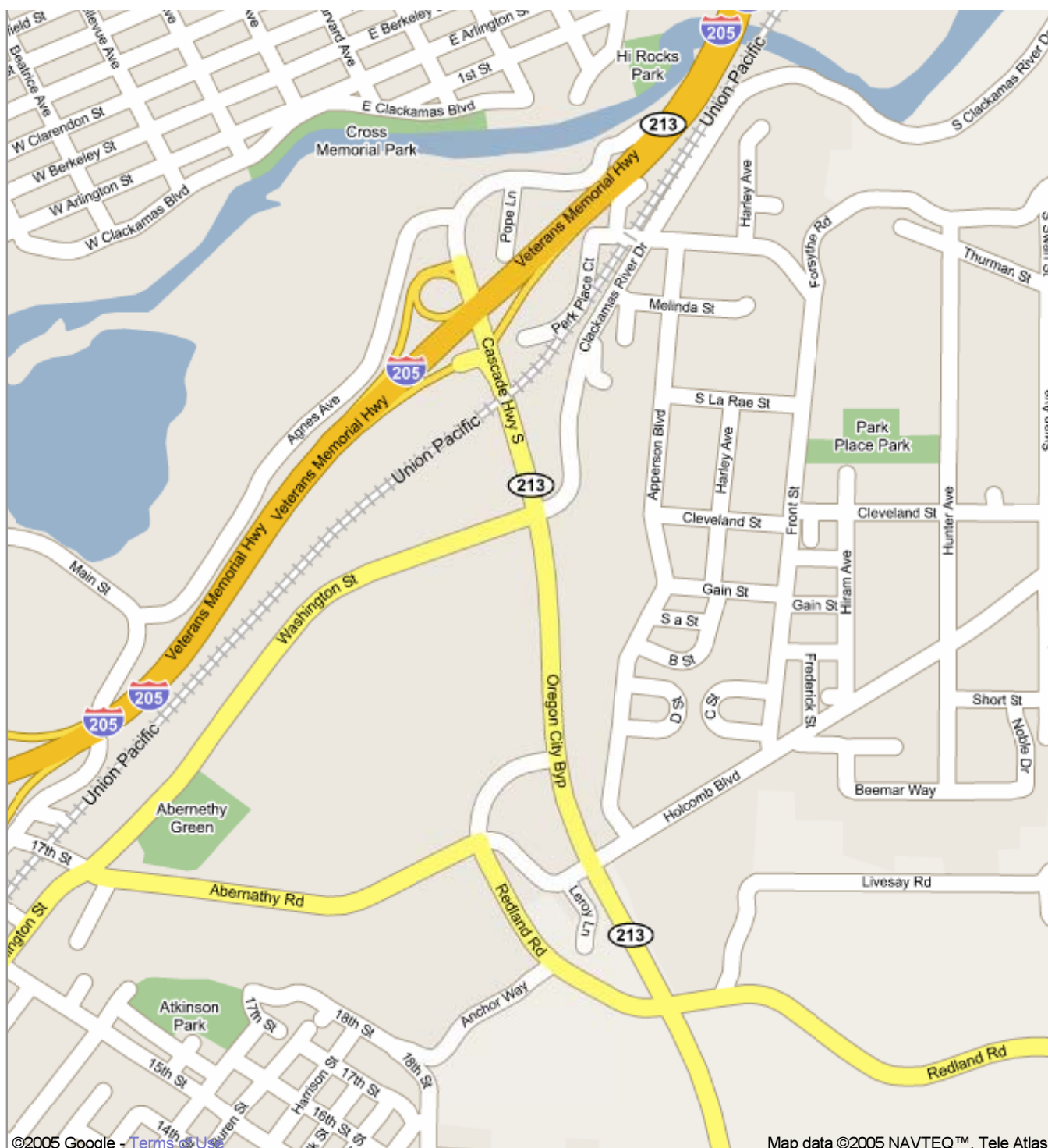
Overlooked in the May Newsletter were the patterns (at right) constructed by **Chuck Stark** (at left). The leftmost nine patterns are for a reversing steam engine which appeared in a 1923 Popular Science article while the rightmost five patterns are for a model Mogul gas engine. Impressive work Chuck.



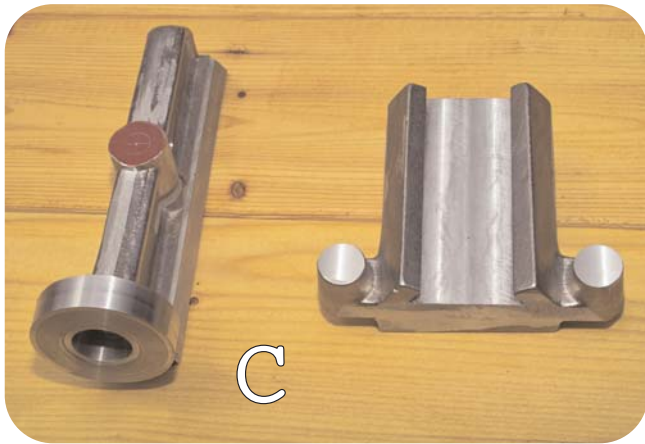
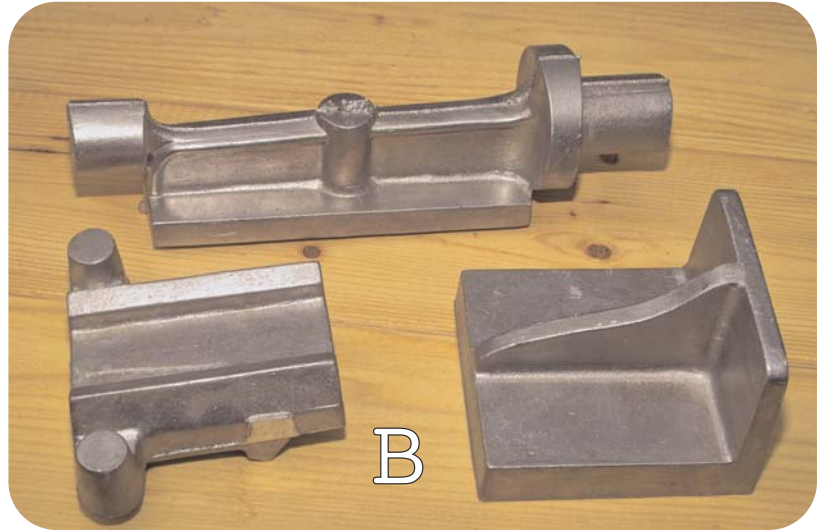
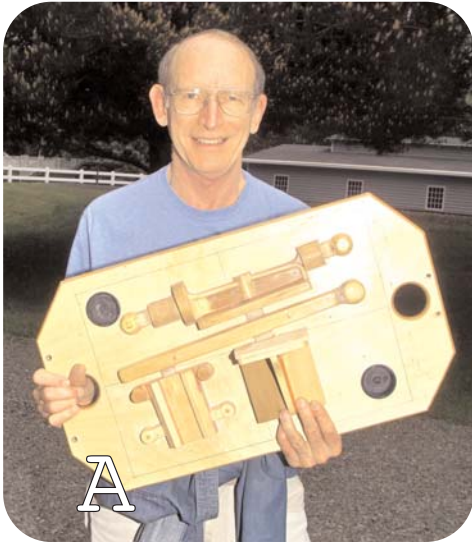
## PME Visits John Pohlpetter's Musicodian Museum in June

Our host had something intrude on his schedule and our meeting is delayed one week. Our June meeting will be held at 1:00pm, Saturday, June 18, 2005 at John Pohlpetter's Musicodian Museum, **18647 S. Redlands Rd, Oregon City**. John, son of member Al Pohlpetter, collects, restores and sells old musicodians. These are more elaborate than, but related to, player pianos. They were all made in the early 1900s. There are few collections like this anywhere but we will get to see one. John has remodeled his place since our last visit and is looking forward to hosting Portland Model Engineers.

**Directions to meeting:** From I-205 take the Hwy 213 Exit/Exit 10 just east of Oregon City. Proceed south for about one quarter mile to the Redlands Rd. exit on your right. Curve under Hwy 213 and drive several miles to the Redlands Cafe on your left. John's red Jeep will be parked just beyond the cafe with a sign showing where our meeting is being held.

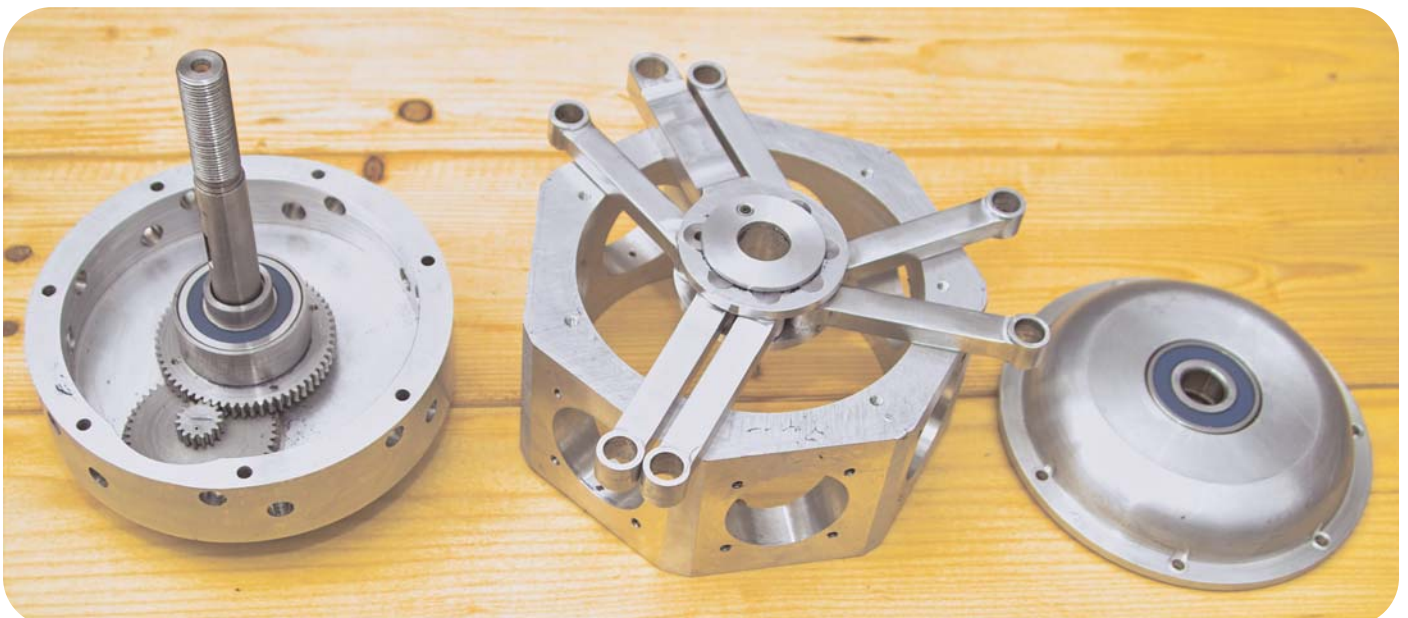






Model Engineering is really easy. As easy as A B C as a matter of fact as illustrated here by **Tom Hammond**. In **A** above Tom holds a pattern for the Adept hand shaper he and others are making. Picture **B** above shows the metal parts he made using the patterns while **C** shows the nearly finished machined products. What could be easier?

**Al Rose** (at right) took a different approach. He is making his seven cylinder 1/3 scale radial Jenna engine out of bar stock (shown below). Are you sure that all those con rods won't interfere?

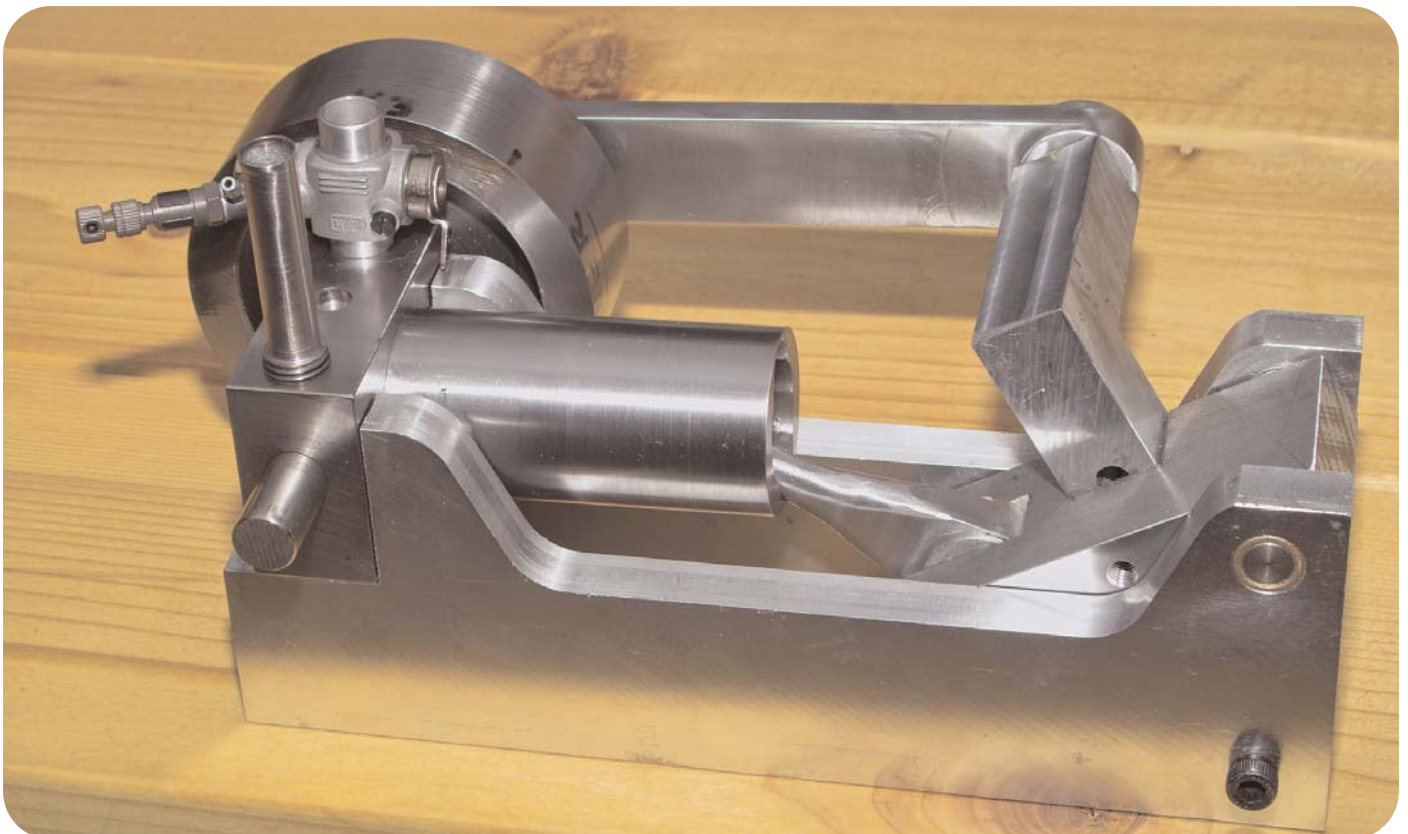
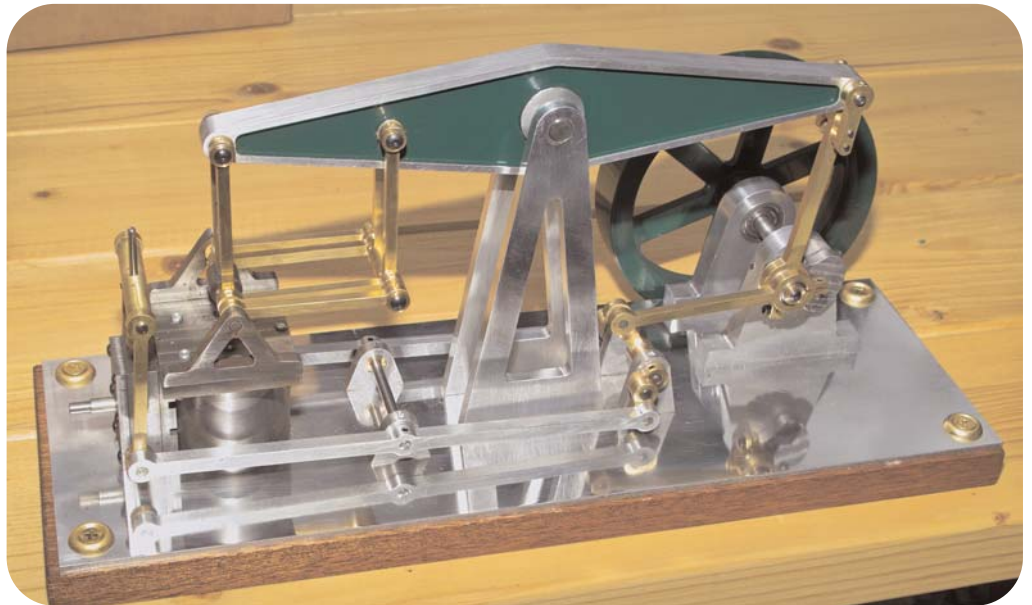




Another approach to modeling is illustrated by **Ernie Haskell** (at right) holding his own design of a beam steam engine machined with his CNC mill. Great job Ernie.



Still another own designed CNC milled project is that of **Bill Miller's** (shown below). This novel gas engine uses the Atkinson cycle linkage to attain 4 cycles (intake, compression, power and exhaust) in just one complete cycle of the piston. A particularly novel aspect of this design is the use of the drive shaft as intake and exhaust ports. Wow. Looks like this might make a good article for Home Shop Machinist.





Still more CNC activities are shown by **Henry Casson** (left) displaying the drawings of a new clock he is designing.

Also, **Hal May** (below) displayed several of his clock gears prior to their teeth being cut on his CNC equipment.

Finally, **Gary Martin** brought patterns and castings (shown at bottom left) he recently completed for a small railroad project in California.

