

President:
 Vice President
 Treasurer
 Membership
 Photographer
 Photographer
 Photographer
 Editor
 Webmaster
 Member at large
 Web site

Pat Wicker (503) 612 8499
 Carl Petterson (503) 245 8335
 Bud Statton (503) 324 9514
 Dave Francisco (503) 761 4446
 Gary Hart (360) 695 3740
 Chuck Clark (360) 253 2530
 Carl Petterson (503) 245 8335
 Bob Diffely (503) 246 9206
 Greg Dermer (503) 281 9238
 Bill Miller (503) 246 2175

pwicker@aracnet.com
tomten@easystreet.com
BudStatton@worldnet.att.net
frisco@hevanet.com
hartmetal@msn.com
chuckc2@attbi.com
tomten@easystreet.com
blinda@saw.net
depcco@easystreet.co
bilau@gte.net

<http://users.easystreet.com/depcco/pme> or
www.portlandmodelengineers.org

The club's last meeting was at **Another Time Clock Repair** near Oregon City hosted by **John Pohlpetter** (at right). Thanks John. And what a great place for the club to meet with so many antique clocks and musical instruments to see and enjoy. Pictures of a few are shown inside along with several models displayed by club members.



The **May Meeting** is scheduled for 1pm May 8 at **the Round House**. Carl Petterson writes this:

“our May 8 meeting is to be held at the **Roundhouse in the Brooklyn Yards in SE Portland**. Al Pohlpetter will be our host and plans on us coming at 1 PM. He is on the maintenance crew for 4449, the 1941 SP locomotive that participated in the 1976 bicentennial. The SP&S 700, a similar engine is there to see also. They have a couple of diesel locomotives and many rail cars.

The Roundhouse can be reached by turning off SE 17th Ave., near Holgate, at SE Center St. Go back to the trucking company operations, then turn right and carefully drive to the roundhouse. There is no formal road through the maze of trucks and trailers. **From the west drive out Powell and turn south by taking the SE 17th Ave. exit ramp. Drive south on 17th to Center, then turn left.** Holgate doesn't allow one to turn left on 17th so members should turn off Powell to reach the Roundhouse.”

Carl also mentions that the June meeting is tentatively scheduled for the Iron Ranch.

FOR THE BEGINNER #15

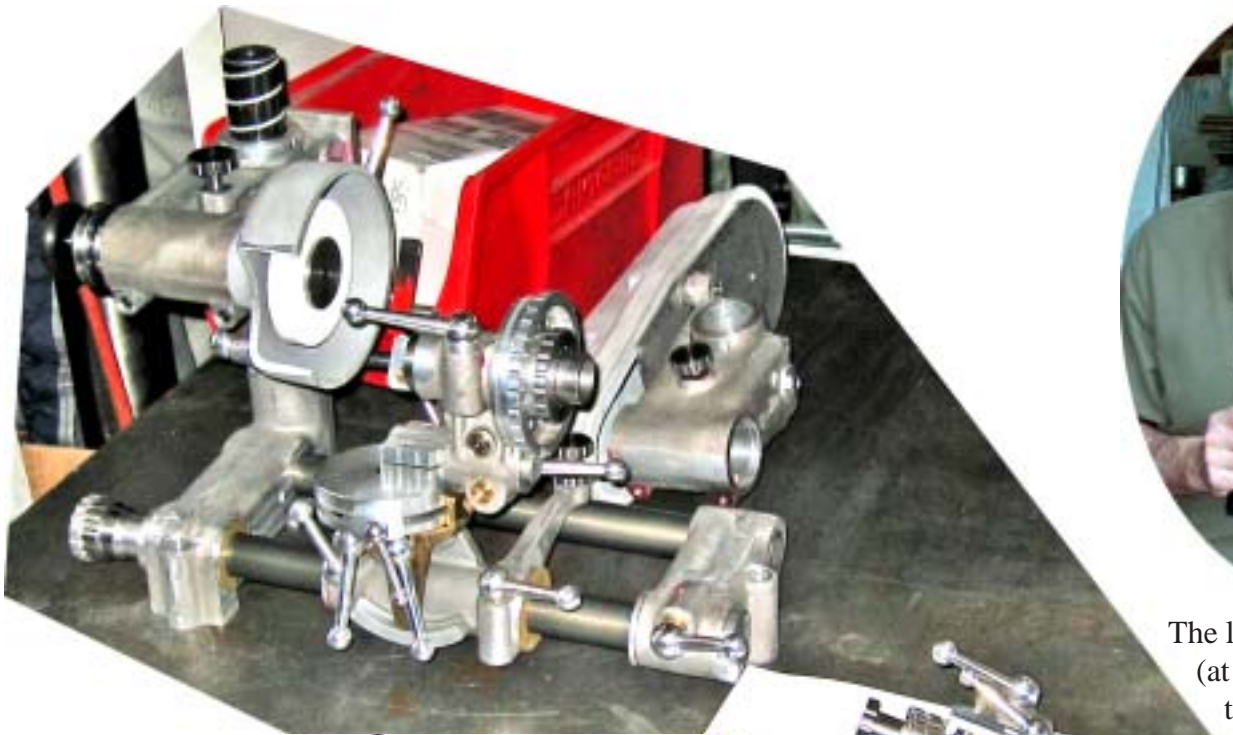
Lets talk about Types of Cutting Fluids some more. Lubricants as well as coolants are able to reduce cutting forces at lower cutting speeds. They also reduce or remove heat that tends to break down high speed tools. Both lubricants and coolants extend tool life and improve work-piece finish. Another advantage is that the work-piece dimension can be accurately measured on the cool work-piece. Heat will cause parts to expand. Several types of cutting fluids are in use and nomenclature is by no means universal, since a single fluid is often called by many different names. I will list the ones listed in this text which could now be replaced with new fluids as this book was copyrighted in 1987. These are, Synthetic Fluids, Semi synthetic fluids, Emulsions, Cutting oils, and Gaseous fluids. Gone are the days of using any old oil as long as you could get past the smell of the smoke. These have some long explanations and I will get into them next time.

-Wes Ramsey



Gary Hart (upper right) describes the features of his powered tractor based on a design appearing in *Home Shop Machinists*. Impressive detail right down to the rivets. Although many rivets are real, Gary built a special tool to simulate some of the rivets. Also impressive is a geared rotary table built by **Al Rose** (at right) also based on a design appearing in *Home Shop Machinists* magazine. Super job Al, (again this month) thanks for sharing with us.

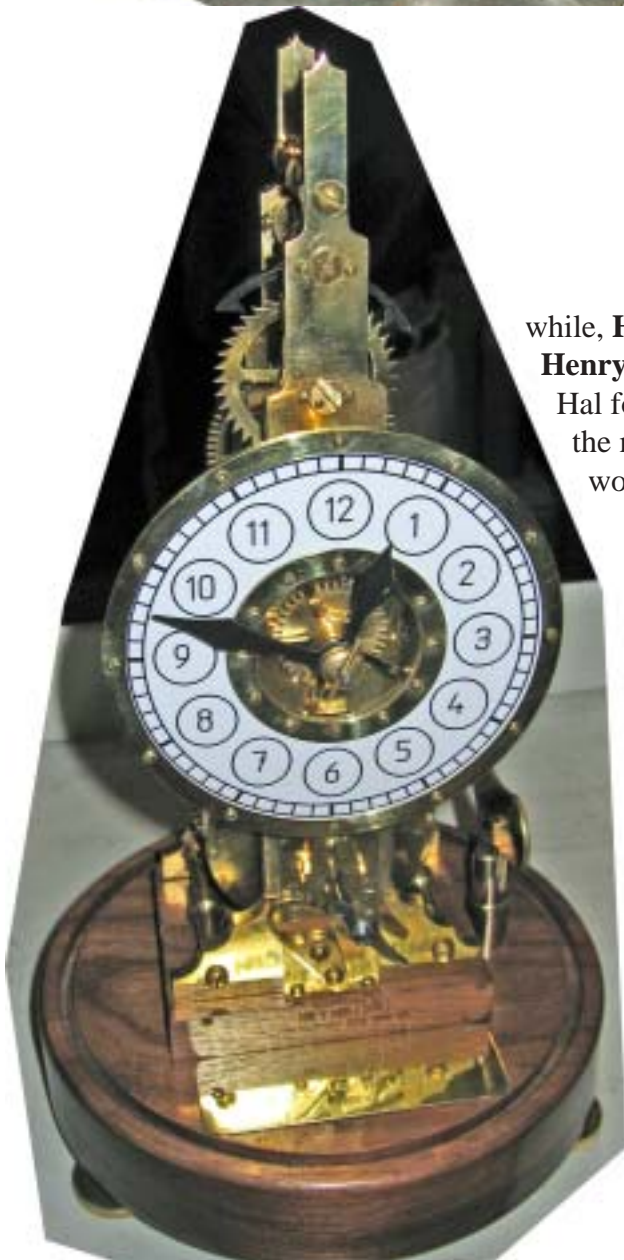




The light weight Quorn (at left) again rises to the surface as **Tom Hammond** (above) describes this months enhancements. It makes you want to find dull tools just so you can sharpen them on this beauty. Mean-



while, **Hal May** (below, left) discusses clock making topics with **Henry Casson**. This clock is one of three under construction by Hal for his daughters. His current concern is reducing friction in the mechanism to insure adequate run time from the spring wound power source.





Need your player piano repaired? Then call this number (above). As shown at right and below, **John Pohl** restores many types of antique clocks and instruments. In club activities, **Bill Miller** (at right) brings the members up to date on GEARS while another club member (below right) searches for the right end mills to buy for his next project.

