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**The March Meeting** was held at the **Sam Mesher Tool Company**, courtesy of the current owner, **Martin Fromer**, shown at right.



Thanks for your hospitality, Martin. Your business is a needed place to shop for the new and experienced machinists in our group. The pages inside show some of the items available at Mesher's as well as the members' current projects. This meeting also brought in several new members and potential members. Welcome Gene, Dave, Tom, Ivan (and Martha), Andy, Roland (and Lillian) and Gary. Roland, who is from the tri cities area, described the castings he is making for a Lightning engine.

The **April Meeting** is scheduled for 1pm on April 10th at **Another Time Clock Repair** located at: **18347 S Redlands Rd Oregon City, OR**

Rumor has it that this place has interesting machinery for our members. See directions and map inside this issue.

### FOR THE BEGINNER #14

I talked about broken taps and bolts some time ago. This last week I got my copy of "The Home Machinist." J. Randolph Bulgin has written a feature on "Removing Broken Taps and Studs by Welding." The school books are a good place to start to learn but EXPERIENCE will show ways to do things no book will ever have. Mr. Bulgin has gotten from an old machinist some of his tricks on welding a nut to the broken part and then backing the part out. I don't want to ride on his thunder, but I do recommend you read this for the time when you need it. I tried this years ago, before I had a wire feed welder. The slag and my welding skill didn't work for me. Now I know how it is done.

Wes Ramsey

#### For Sale:

Bench top CNC mill/lathe. Convertible machine mill to lathe, hard and live tooling. Controlled by PC. \$2000  
TABLE FEED for Bridgeport or copy mill, \$185  
**Bill Miller** 503-246-2175

Editor's note: I have added a date (-04) to your mailing label which indicates if our records show you have paid your dues for 2004. Those members who have this date will continue to receive the newsletter.

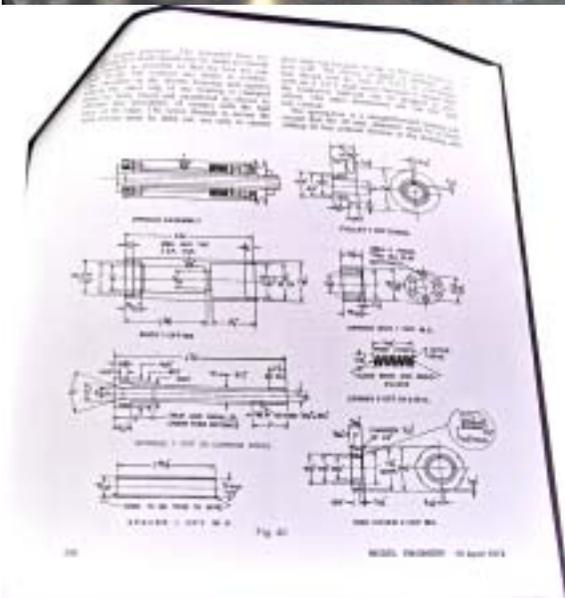
#### This note from **Tom Stuart**:

"I have a model casting kit for sale of a Fairbanks Morris Gasoline Engine. Several kits always in stock. The engine has a 1-1/2" bore 2-1/2" stroke with 10" flywheels. The kit normally sells for \$290.00 But will discount to Portland Model Engineers For \$250.00. Member must be on the roster as paid up. Also coming is a scale working model of a Red Jacket wind mill water pump pictured in the last news letter. Tom Stuart 503-362-7107. Tomsengines@aol.com"



And look what **Al Rose** has constructed (at left.) This classic machine designed by G.H. Thomas is a favorite by hobby machinists because of its well documented instructions and it's multiple functions. The functions on Al's machine include a hand tapper (shown as the upper arm) and a stamp engraver (on the lower arm) shown marking graduations on a wheel. The picture above shows Al (on right) explaining his offering to another club member. Great job Al.

Meanwhile, **Tom Hammond** continues his pursuit of Quorn accessories as he shows his latest spindle laid out for easy viewing (below) as well as a page describing a Quorn spindle from the 19 April 1974 issue of Model Engineer Magazine.





Castings also were in abundance at this meeting. **Pat Wicker** continues his progress on the Gingery milling machine (left) which in this picture locates the relative positions of the castings for the bed and a raising headstock.

Immediately below are parts for a Kansas City Lightning engine cast by **Roland Morrison** using the lost wax process. Roland is not now offering casting kits but wouldn't rule it out for the future.

A third casting project is shown far below. This exhaust manifold for an Indian motorcycle was offered by **Terry Wolbert**. Impressive job Terry. Thanks for sharing.

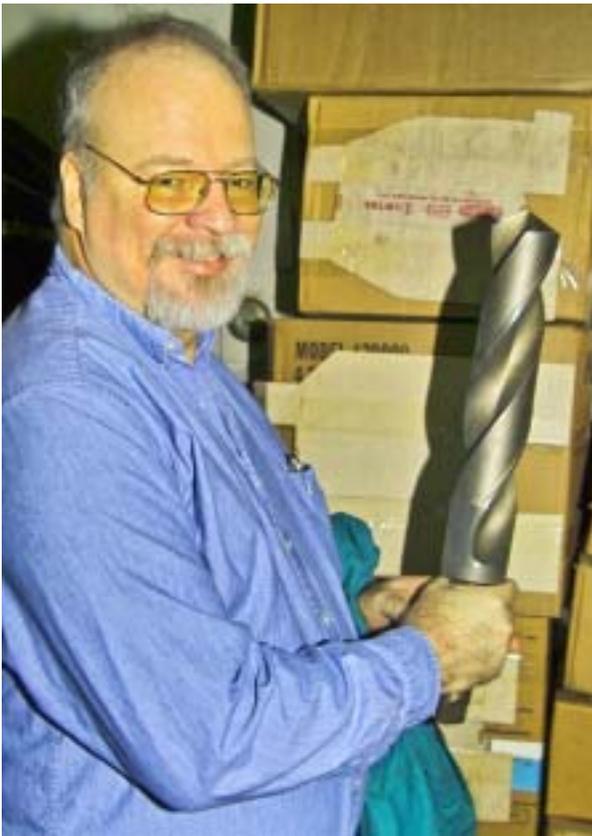
**Bud Statton** brought an ingenious (?) device which loads an ammunition belt with ammo as partly shown at left. The complicated mechanism uses a two step operation first inserting the

bullet half way into the belt then moving the belt and bullet to the next station to continue the insertion. The designer of this complicated device was obviously knowledgeable in mechanical design matters.





Among for sale items was the power feed control (at left) offered by **Bill Miller**. It fits a Bridgeport clone milling machine but found no takers for \$185. (If you are interested you can reach Bill at 503 246 2175.) And why is **Steve**



**Hampson** smiling (at left)? Its because he thinks he has the biggest one in town. Oh wait, that's a drill bit. Whatever, its certainly bigger than mine. And if you want big just look at this gear cutter (below). None of the club members I interviewed could think of a home machining project that could use this size



gear but Mesher Tool Company has plenty of regular tool sizes too. Just keep in mind their store at NW 17th and Johnson (pictured at bottom of page.)



