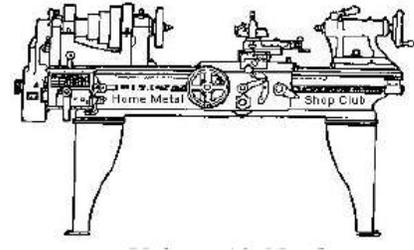




May  
2007

## Newsletter

Volume 13 Number 5



Visit Our Home Page [www.homemetalshopclub.org](http://www.homemetalshopclub.org)

**Statement of Purpose:** *Membership is open to all those interested in machining metal and tinkering with machines. The club provides a forum for the exchanging of ideas and information. This includes, to a large degree, education in the art of machine tools and practices. Our web site endeavors to bring into the public domain written information that the hobbyist can understand and use. This makes an organization such as this even more important.* -- Founder - John Korman (deceased)

<b>President</b>	<i>John Hoff</i>	<b>Secretary</b>	<i>Dick Kostelnick</i>	<b>Webmaster</b>	<i>Gene Horr</i>	<b>SIG</b>	<i>Dennis Cranston</i>
<b>Vice President</b>	<i>Dennis Cranston</i>	<b>Treasurer</b>	<i>Emmett Carstens</i>	<b>Librarian</b>	<i>Dennis Cranston</i>	<b>Coordinators</b>	<i>Richard Pichler</i>

### Next Meeting June 9, 2007

Meeting to be held at HALS.

### Minutes of the May 12, 2007 Meeting

by Dick Kostelnick

#### Business Meeting

The business meeting was held at Lyndons BBQ prior to the regular meeting. No business was discussed.

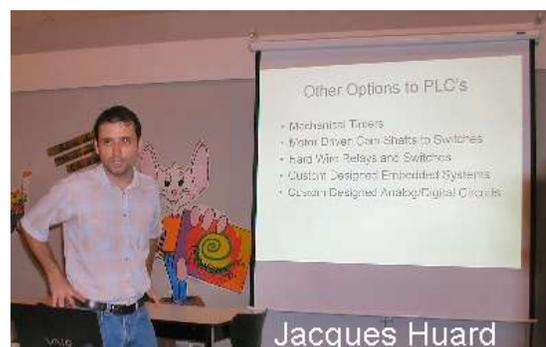
#### General Meeting

HMSC May 12, 2007 General Meeting, Collier Library, Houston, TX

John Hoff, president, presided. There were 3 visitors; Eric Pickles, Ray Rowan, and Bill Odle.

#### Presentations:

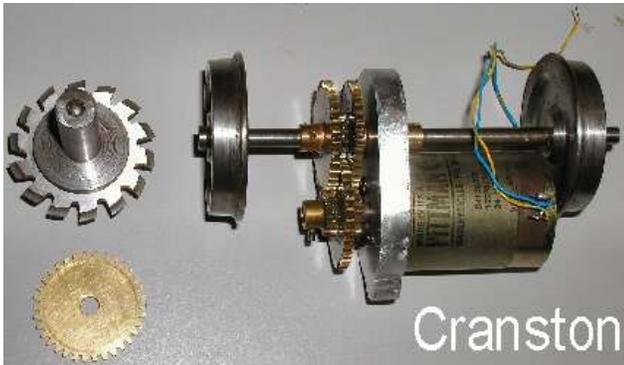
Jacque Huard (HNSC Member) gave a presentation on automation using PLCs (Programmable Logic Controllers). Several of our members have built machines used in product production.



Jacques described how PLCs could be used to replace production devices such as motor controllers, cam operated switches, and electrical timers with software and external sensors. He also described the basics of “Ladder Logic”, the software language used with PLCs.

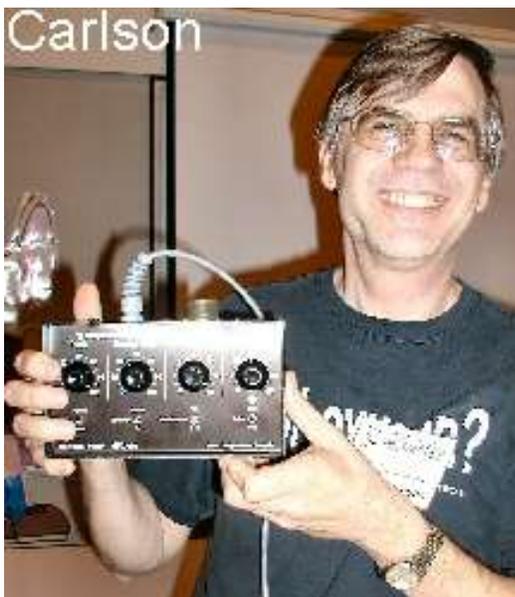
**Show & Tell:**

Dennis Cranston showed a motor drive for a model RR engine that uses gears that he machined.



Dick Kostelnicek showed a cast brass wrench along with the original steel wrench that was used as a pattern. Holding the two wrenches against one another, the amount of shrinkage resulting from casting was evident.

George Carlson showed the TIG welder pulsar that he designed and built. It allows auto or manual switching between high and low current.



Jan Rowland posted snapshots of a 5C fixture he made for holding the 19th C. pipe-organ draw-knobs that require turning an oblique face-counter bore.

