knitting machines, students study the mechanism and operation of the gears on charts and diagrams, most of which are provided by the manufacturers of the machines. In figure 4, Jerald Chamelin and Benny Venable study instructions for Universal Timing Gears.

The visual aid program of the school utilizes make-ups of various machine parts. In figure 5, the main drum kick, enlarged to scale, is explained to Carl Young and Jerry Lambeth. Instructor Dotson states this method of explaining the operation and function of the main drum kick can be done in one-fifth the time required on the machine and students understand much better when shown one part at a time. Other scale models of parts are used to illustrate the various driving mechanisms of the machines. An opaque projector enables the instructor to enlarge greatly the image of an object or drawing and show it on a screen.

A look at many knitting machines reveals screw slots with burrs, rounded and beveled slots in the screws and broken damaged screw heads coming from improper use of screwdrivers. Using the wrong size screwdriver also damages the head of the screw. Instruction in proper care and use of screwdrivers includes study of the proper torque of a screwdriver, as illustrated in figure 6 by Carl Young, right, and Jerald Chamelin, left.

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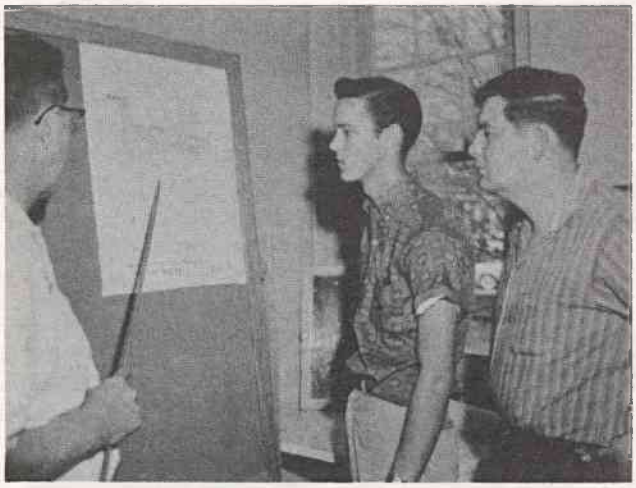

Figure 4

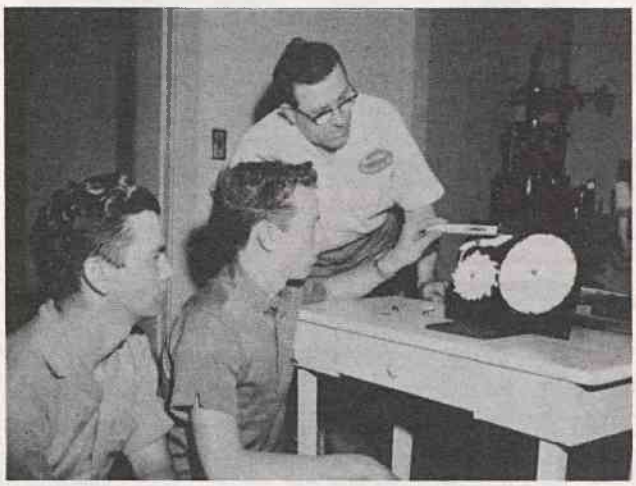

Figure 5

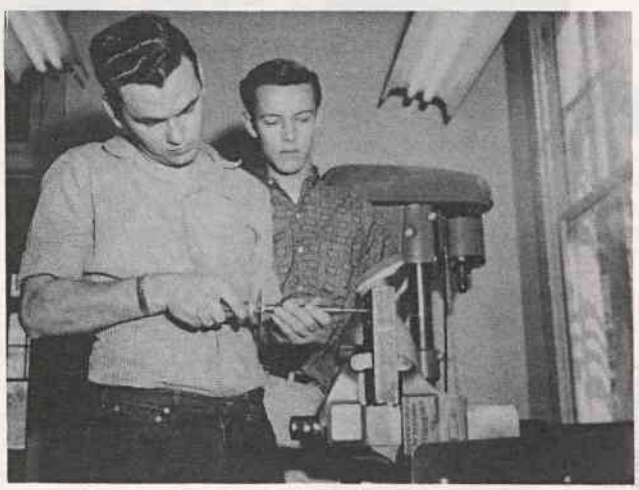

Figure 6