Continued from previous page

includes software templates available in all platforms. Also if you write to Ihor Charischak in care of Stevens Institute of Technology - CIESE, Castle Point, Hoboken, NJ 07030, he will be happy to share some handouts of what teachers have done with spreadsheets.

In addition to their *Microworlds Math Links* software, **Logo Computer Systems Inc.** (LCSI) has available in Macintosh format a program called *Turtle Math*. This program, designed by Doug Clements, is intended to help students in the upper elementary grades learn geometry in a Logo environment that was constructed based on what Doug and his team gleaned from research. It takes advantage of the unique features of the Macintosh. For example, any changes to commands in the command center are reflected automatically in the drawing. Also, there is a two way communication between the drawings and the symbols. With the mouse you can drag the turtle and a corresponding FD or BK command appears in the command center. The program extends and enriches the original Logo program. For more information, contact LCSI at Logo Computer Systems Inc., P.O. Box 162, Highgate Springs, VT 05460 (800) 321-LOGO ❑

Software worth noting

- Geometric Golfer (MECC)
- Probability Constructor (Logal)
- Algebra Animator (Logal)
- Green Globs & Graphing Equations (Sunburst) *(the classic!)*

We are always looking for good uses of software. Please let us know if you have some good examples!

Reports

•CLIME Meeting '94 Recap

Last April CLIME had its annual meeting during NCTM's annual meeting in Indianapolis. After some opening remarks by the president, CLIME had its election of officers. For the first time since its inception CLIME will have a new president. Lew Romagnano, a professor of mathematics at Metropolitan State College of Denver (see President-elect's message) will be leading the CLIME Enterprise during 1995.

The meeting consisted of several presentations by prominent technology-using educators followed by a discussion of CLIME's future directions. The presentations focused on "microworlds for learning". Some highlights follow:

Mike Battista presented a *Geometer's Sketchpad* microworld called Shape Makers. In a recent *Arithmetic Teacher* article (March, 1994) Mike described the value of this type of microworld. The "Shape Maker" microworld is designed to promote the development of dynamic mental models for thinking about geometric shapes. For example, the "Rectangle Maker" only produces rectangles which can be stretched to any size or shape. But can a rectangle be a square? Or can a square be a rectangle? These are just some of the questions that can be explored dynamically.

Doug Clements presented the program called *GeoLogo* (in the Dale Seymour curriculum) or *Turtle Math* (as marketed by LCSI). The program offers a unique Logo environment for exploration of geometric ideas. (See Software Corner.)

Brian Silverman from LCSI shared examples of microworlds written in *Microworlds Math Links* that offer children an opportunity to engage in mathematical exploration. Because the philosophy behind the program encourages a project approach, the curriculum connections may not be immediately

See Clime Mtg...page 6