

Reviews

generalist, concentrated on how computers could be used effectively to promote mathematical literacy.

Having been involved with the Madison Project in the early 70's, I was particularly interested in the author's analysis of Bob Davis (the Madison Project guru) and how his educational philosophy compared with Papert's. More on this in later issues.

I.C.Ø

Michael P. Burke and L. Roland Genise: Logo and Models of Computation; an Introduction to Computer Science. 371 pages, 1987, Addison-Wesley Publishing Co., Menlo Park, CA

This is a clear and readable text by two authors writing respectively from San Jose State University and San Jose Unified School District. From the Foreword: "The goals... are to illustrate the relationship of computation to mathematics, ...and to aid in the development of a useful problem-solving discipline. The Logo programming language is considered by us to be the ideal vehicle to reach these goals".

The material of the text is claimed to have been used successfully in introductory computer science courses for all students, for computer science majors, for in-service teacher training, for high school computer courses, and for some middle school courses. My reading would bear out claims to broad applicability. While there is a clear emphasis on programming, the stress on computation and mathematics is evident and practical. Added, for example, to the usual densely recursive treatment of the "Towers of Hanoi" problem is a graphical solution. "We want to display the towers and disks and watch the disks moving from peg to peg until the solution is obtained." That's the kind of approach that makes me want to get on my computer and dig in. There are sections touching on unary and binary operations, on parentheses, square roots, differences between sets and lists, graphing, and much more that would be found in the contents of a 9th grade text.

R.W.Ø

Constitution

NAME OF ORGANIZATION:

The name of this organization is Council for Logo in Mathematics Education (CLIME).

PURPOSE:

To encourage and support mathematics educators in learning and using Logo to teach mathematics.

To share ideas that incorporate Logo as an effective teaching tool for mathematics.

To act as a clearinghouse for information relating to Logo's use in the mathematics classroom.

OFFICERS AND STEERING COMMITTEE:

The steering committee which consists of 8 members will be responsible for the activities of this group. The officers shall consist of a chair, co-chair, secretary, and treasurer. The other 4 members will represent the different levels of the educational community: College/University, Secondary, Middle School/Jr. High, and Elementary.

MEMBERSHIP:

All persons interested in the purposes of, and participation in the functions of, this organization shall be eligible for membership and may become members by paying the required dues. Dues will be \$5 per year. This will entitle the member to a subscription to the newsletter.

MEETINGS:

This organization shall have at least one formal meeting at the annual meeting of NCTM. Additional meetings will be called by the steering committee and members will be notified via the newsletter and the electronic bulletin board.

PUBLICATIONS:

This organization shall publish a newsletter which will inform members of math/logo events, new publications, research projects, and reviews of articles in other publications. The editor of the newsletter will be responsible for getting this information from the members.

AMENDMENTS:

This constitution may be amended by a two-thirds vote of the members present at an official meeting (determined by the steering committee) provided that the amendment shall have been proposed at a preceding meeting or sent to members by mail 30 days prior to a meeting.

DUTIES OF OFFICERS:

The Chair, Co-Chair, or a designated person (selected by the Chair) shall preside at all meetings of the group. The chair shall select the non-officer members of the steering committee. The Chair shall select members to work on special projects and supervise the projects that members have made a commitment to do. The Chair shall prepare an annual report of the activities of the group. He or she may represent the group at meetings of mathematics and Logo teachers.

The Co-Chair shall perform the duties of the chair in the absence of that officer.

The Secretary shall be responsible for keeping general records of the group, including minutes of all meetings.

The Treasurer shall receive all monies of the group; keep an accurate record of receipts and expenditures; and shall pay out of the group's funds only as authorized by the steering committee. The Treasurer shall make statements available at all regular meetings or at other times as requested by the steering committee.

The non-officers of the steering committee will act as an advisory council for the group and are eligible to vote on issues at hand.

ELECTIONS

All elections shall be held by mail ballot and will occur annually. In case a member of the steering committee is not able to complete his or her term in office, the steering committee can select an interim committee member for the remainder of the term.