...*President's Message continued from page 1*

will be proposing a resolution for a technology and advisory committee that will hopefully make a difference in how technology and Logo are handled at mathematics conferences. It's also an opportunity to see close up how one part of the NCTM bureaucracy cranks its wheel. I found the experience last year interesting and enlightening. The delegate assembly meeting will be held on Tuesday and Wednesday, (March 31 - April 1) during the NCTM annual meeting in Nashville. If you are interested, please call or write to me at CLIME headquarters.

In our last newsletter (Spring issue - V. 3.2) I included the draft of a letter that I sent to the President and President-elect of NCTM which outlined the need for NCTM to make technology a more visible part of NCTM sponsored conferences. If Logo is to continue to thrive and grow the Council needs to be more conscious about how they treat the role of technology in math education. They certainly hold a strong position on its use (p. 8 of the Standards document). But when it comes to their showcase annual conference where over 6,000 math teachers attend, computers are hardly visible - mostly buried in the vendors booths. The computer sessions some of which are called "workshops" are merely extended presentations. There are almost no hands-on workshops available at this meeting. I question what message this is sending to the majority of math teachers who attend these meetings and who have had little or no computer experience?

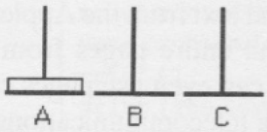
I hope your year is going well and Logo continues to be a a part of your repertoire of tools that engages your children in thinking about mathematics. It's through your creative energies in using Logo and Logo-like tools that we can come close to achieving the vision that the Standards have set forth. I would enjoy hearing about your efforts and I'm sure our readers would also. So please share with us activities that you found to be effective. Also we are planning to put together a *Microworlds III* disk for a June mailing. So if you have an interesting Logo activity please send it to us as soon as possible, so we can add it to our spring collection.

A Little Big Idea...

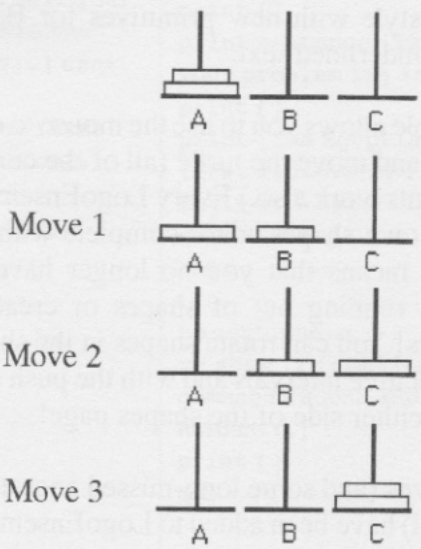
Yet Another Look at the Tower of Hanoi Problem *by Ihor Charischak*

Recently I came across The Tower of Hanoi Puzzle in Al Cuoco's wonderful book "Investigations in Algebra" (MIT Press). In this puzzle you need to move a set of disks from one tower to another using a third tower as an intermediary. You may only move one disk at a time and a larger disk can never be on top of a smaller disk.

After reading the section in the book, I was motivated to create an animated version of the puzzle which allows you to do the puzzle for up to 5 disks. For example, if tower A contained one



disk it would take one move to move it to tower C. To move 2 disks from one tower to another requires a minimum of 3 moves.



See Tower of Hanoi... page 11