

The three TEAM learning modules which are now available from the MAA from a free loan program are:

* "Hour of Daylight," a junior/senior level problem, presented by Jerry Cline, an applied mathematician from the McDonnell Douglas Corporation of St. Louis. The problem is to find, for a given date, the amount of time a particular location on a planet spends in sunlight. This learning module includes software for the Apple II.

* "Highway Slope Design," a freshman/sophomore level problem, contributed by Jerry Smith, a civil engineer and Director of Public Services of Enid, Oklahoma. The problem is to find the smooth parabolic transition between two straight roads of different grades.

* "Aircraft Sidestep Maneuver," a junior/senior level problem, contributed by Donald Pate, an operations research analyst from the Federal Aviation Administration of Oklahoma City. The problem is to determine the path of an airplane while it is rolling to make the transition from a straight line path to a circular path. This learning module includes software for the Apple II.

In the first part of the video presentations, the industrial representatives discuss their work, philosophy of problem solving, and the problem, and then challenge the students to model and solve the problem. In the second part, they present and address their solutions to the problem. Each part runs approximately 25 minutes.

TEAM learning modules are very flexible educational tools. A module can be given to a small group of students working together as a team, to a single student as an independent study project, or to an entire class. The instructor can direct the students to work out their own solutions before viewing the industrial representative's solution, or can use a learning module merely to show the class an interesting industrial problem and its solution.

Modules can be used in existing mathematics courses such as calculus, differential equations, linear algebra, numerical analysis, or discrete mathematics, or they can be used to create new courses to fit the needs of a particular college or university.

The TEAM materials were produced by John Jobe and Jim Cholke at Oklahoma State University. Jobe is TEAM Project Director and Coordinator of Video Production and Cholke is Coordinator of TEAM Written Materials and Computer Software. Jeanne Agnew and Marvin Keener, also of Oklahoma State University, serve as curriculum consultants for the project.

All TEAM materials are available free from the MAA. Brochures announcing the availability of the TEAM materials are being sent to the mathematics departments at every college and university in the United States. Each MAA Section will have a complete set of TEAM materials and will assist with local dissemination.

Upon request, all three of the TEAM Resource Books and any one of the video cassettes and/or microcomputer diskettes will be sent to users. Users will be asked to copy the cassettes and diskettes promptly and return the originals to the MAA. They may then order materials for another TEAM learning module. Resource Books may be copied in unlimited quantities.

Those who would like information about ordering TEAM materials should write to: Alfred B. Wilcox, Executive Director, Mathematical Association of America, 1529 Eighteenth Street, N.W., Washington, D.C. 20036.



"I won? I didn't even know there was a Nobel booby prize."