

# NETWORK



Volume 14, Issue 3, January 2003

TECHNOLOGY EDUCATION ASSOCIATION OF MARYLAND

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## TEAM Recognition Banquet 2002

The Technology Education Association of Maryland held its annual Awards Banquet at the BWI Marriott in October. Over 100 attendees enjoyed a wonderful evening devoted to recognition of exemplary teachers and supporters of technology education. Master of ceremonies Paul Wiedorn called the group to order after a delicious dinner for the presentation of TEAM's major awards.

Each year State Superintendent Dr. Nancy Grasmick issues a call for nominations for outstanding technology educators and programs. Nominees are asked to submit information about their technology program. In addition, nominees request letters of support for their nomination from key individuals. TEAM's recognition committee uses this material to begin the process of selecting award winners.



**The Donald Maley Scholarship** is given each year to a college student who demonstrates academic excellence and willingness to pursue a career in Technology Education. The money from this scholarship is to be used to offset the cost of the winner's college education. This year TEAM is proud to announce Jamaal Cole, of the University of Maryland Eastern Shore, as the recipient of this scholarship. (Pictured above with TEAM President Roy Rosnik.)

(continued on page 3)

### SPECIAL NOTICE

The venue for Team's Tractor Pull competition, to be held on February 17, 2003, has been changed from the Engineers Club to the Baltimore Museum of Industry.

## Leadership Award

Ms. Marquita Friday of the Maryland State Department of Education, Division of Career Technology and Adult Learning received TEAM's Leadership Award in October. All Maryland technology educators are indebted to Marquita for her tireless efforts on behalf of our discipline and for her continuing contributions to major professional development and curriculum initiatives. As we begin the new year, Marquita is preparing to release a draft version of the Maryland Content Standards for Technology Education. This document will be extremely important in program development over the next few years. This effort is but one example of the critical role played by our State Specialist.



## Congratulations to the 2002

### Donald Maley Award Recipients

#### Elementary School Technology Education Teacher Award of Excellence

Ms. Roberta Rosnik, Clarksville Elementary School  
Howard County Public Schools

#### Middle School Technology Education Teacher Award of Excellence

Mr. Patrick A. Lieb, Stephen Decatur Middle School  
Worcester County Public Schools

#### High School Technology Education Teacher Award of Excellence

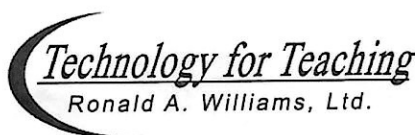
Mr. Dale Antosh, Oxon Hill High School  
Prince George's County Public Schools

#### Technology Educator "New Teacher" Award of Excellence

Ms. Heidi J. Vermillion, Damascus High School  
Montgomery County Public Schools

#### Elementary School Technology Education Program Excellence

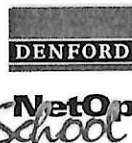
Waterloo Elementary School, Ms. Van McKenna  
Howard County Public Schools



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Montgomery County Public Schools

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Charles Herbert Flowers High School, Mr. Joseph Irizarry  
Prince George's County Public Schools



**Middle School Teacher Award of Excellence**  
Mr. Patrick A. Lieb, Stephen Decatur Middle School



**Elementary School Teacher Award of Excellence**  
Ms. Roberta Rosnik, Clarksville Elementary School  
Howard County Public Schools



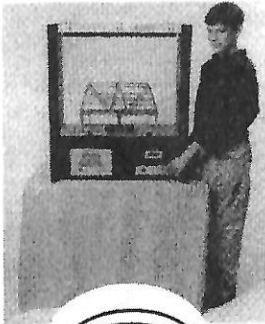
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Teacher Award of Excellence**  
Mr. Dale Antosh, Oxon Hill High School

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**Technology Educator "New Teacher" Award of Excellence**  
Ms. Heidi J. Vermillion, Damascus High School  
Montgomery County Public Schools

## Welcome New Graduate Students

Several teachers have enrolled in the University of Maryland Eastern Shore's master's degree program this semester. Ruth Akers is a middle school technology education teacher at Catonsville Middle School in Baltimore County. Sean Grimm is a technology education teacher at North Harford High School in Harford County. Kenneth Hadfield is a technology education teacher at Dundalk High School in Baltimore County. Heidi Vermillion is a technology education teacher at Damascus High School in Montgomery County.

Barbara Hubbard and Anthony Saullo are the first Career and Technology Education teachers in the Occupational Education Strand of the Master of Education in Career and Technology Education. Ms. Hubbard is a business education teacher at Milford Mill Academy in Baltimore County. Mr. Saullo teaches automotive technology at Worcester Career and Technology Center in Worcester County.

## ILS Awards Presented to Master's Program Participants

Philip Steinberg and Loretta Lawson won awards presented at the 2002 Iota Lambda Sigma (ILS) Initiation and Awards Ceremony held at the Baltimore Museum of Industry in November, 2002. Phillip, who graduated in May, 2002

with his master's degree in career and technology education, won the Outstanding Research Project Award. Mr. Steinberg's paper was on how Technology Education has assisted in improving reading achievement scores and self efficacy at the Inverness Center in Baltimore County. Loretta Lawson won the Outstanding Graduate Student Award and was nominated to the ILS Grand Chapter for consideration of their national graduate student scholarship. ILS is a national honorary society for workforce development and career and technology education. Congratulations to Phillip and Loretta.

## National Engineers Week

Founded in 1951 by the National Society of Professional Engineers, National Engineers Week (February 16-22, 2003) is celebrated annually by thousands of engineers, engineering students, teachers and leaders in government and business. In 1988, the National Engineers Week consortium expanded its scope and now includes more than 100 engineering, scientific and education societies and major corporations dedicated to enhancing the public understanding of the engineering profession and to promoting pre-college interest in engineering and technology.

ENews- December 20, 2002

National Engineers Week 2003 is chaired by Lockheed Martin and the American Society of Heating, Refrigerating and



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Air-Conditioning Engineers. This information is from the second in a series of e-newsletters. See <http://www.eweek.org/> for previous issues.

1. **Keep those Product Orders coming.**  
Get your orders in for EWeek kits and materials! Last year several items sold out early. New this year you'll find coloring books for young children and an education package called "Making the Connection" designed for engineers to work with girls in grades 3-12. Order online at <http://shop.eweek.org/eweek/> or use the Order Form in the planning kit.
2. **Asian American Engineers Celebrate Eweek**  
The Chinese Institute of Engineers/USA will host the second Asian-American Engineer of the Year Awards on February 22 in Dallas. This black tie event recognizes Asian-American engineers in industry, government, and academia. For information about CIE and the awards program, visit <http://www.cie-usa.org/headlines.php>.
3. **NAE Student Contest**  
The National Academy of Engineering (NAE) is sponsoring an essay contest open to all students in grades 6-12. In 300 to 400 words, students explain how they think engineers have changed and continue to change the world. Essays should focus on one of the following topics: "Engineering's Great Achievements: What engineering achievement do you consider to be the greatest? Why?"; "History's Great Engineers: Who would you nominate for an Engineering Hall of Fame? Why?"; "The Future of Engineering: What is one of the significant technologies that engineers will develop in the next 50 years? How will it change the world?"  
Entries must be received by January 17, 2003. Awards will be given out in two divisions: grades 6-8 and grades 9-12. Monetary prizes will be awarded for top essays in each topic area in both divisions. Winning essays in each topic area will be published on the EngineerGirl website. Complete contest guidelines are available on <http://www.engineergirl.org/nae/cwe/egmain.nsf/?Opendatabase>.
4. **Web Site Kudos**  
The National Engineers Week website for middle school students, Discover Engineering Online, <http://www.discoverengineering.org>, was recently chosen one of the Digital Dozen, a list of exemplary websites for educators selected by the Eisenhower National Clearinghouse. ENC is funded by the U.S. Department of Education and administered by Ohio State University. Selected sites must have current and accurate math and/or science content, support school improvement efforts, and have useful multimedia features or helpful navigation. Eastman Chemical Company and The American Society of Ceramic Engineers developed and launched [discoverengineering.org](http://www.discoverengineering.org) during National Engineers Week 1999. National Engineers Week headquarters updates and maintains the site.

Recently, the Discover Internet site recognized A Sightseer's Guide to Engineering, <http://www.engineeringsights.org>. The

site was a project of the National Society of Professional Engineers, IBM, and the National Engineers Week headquarters when it was launched for EWeek 2001. According to the Discover reviewers, "Don't forget to consult this handy guide to the many bridges, skyscrapers, dams, and other engineering marvels that dot the United States." Many lesser-known engineering sights are also included, such as a jelly-bean factory, museums, roller coasters, and laboratories. You can make a suggestion for sights to be included so check it out soon!


5. **ZOOM Into Engineering**  
Visit <http://www.eweek.org> and let us know about your ZOOM Into Engineering activities. Attendees at the National Science Teachers Association national conference in Philadelphia this March will be able to receive training and learn about engineering! If you're not familiar with ZOOM Into Engineering, check it out at <http://www.eweek.org/site/Engineers/zoom.shtml> and sign up for a free teleconference briefing in January.

What are you planning for National Engineers Week 2003?

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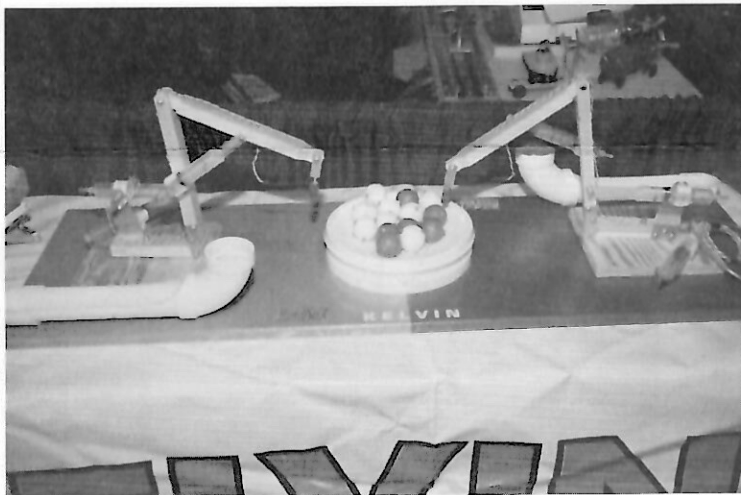
# TECH EXPO 2002

## TEAM'S ANNUAL CONFERENCE FOR TECHNOLOGY EDUCATORS



Presenter: Bill Falatko, iBot: Robotics In Our World

Presenter: Pat Lieb, Recycled Vehicles - Trashy Transportation



Robot Challenge



Presenter: Chris Mason, Northeast Sustainable Energy Association, Wheels for a Sustainable America

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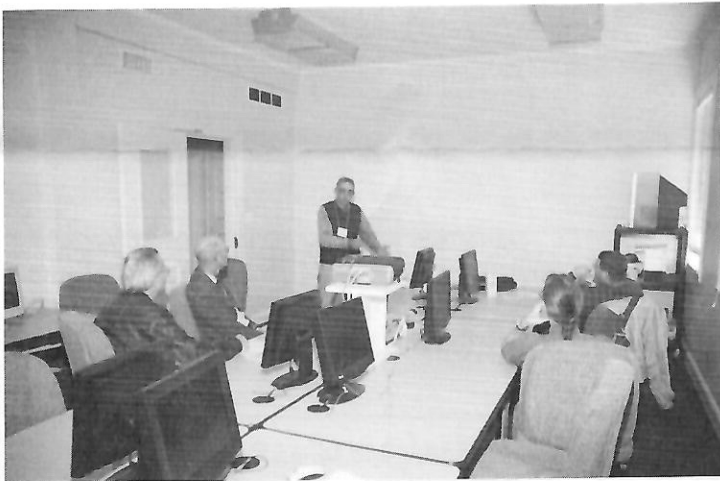
# TECH EXPO 2002

## TEAM'S ANNUAL CONFERENCE FOR TECHNOLOGY EDUCATORS



Participant: Aaron Gray, Recycled Vehicles - Trashy Transportation

Presenter: Marty Nelson SumoBots



Presenter: Will Hershkowitz, ProDesktop Overview



Participants: Roy Rosnik and Paul Wiedorn, Wheels for a Sustainable America



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## Baltimore Museum of Industry Welcomes New Director

The Technology Education Association of Maryland has benefited greatly from its relationship with the Baltimore Museum of Industry. Beginning with our co-sponsorship of the Maryland Engineering Challenges in the early 1990s, BMI has become known as the hub of Maryland's technology education network. This partnership between the museum and technology education has been fostered by the continuing support of the BMI Directors who have recognized the powerful links between our respective missions.

It is a pleasure to inform TEAM members that the new Director of the Baltimore Museum of Industry, Paul Cypher, has pledged his continued support for technology education in general and the Maryland Center for Career and Technology Education in particular.

Mr. Cypher comes to Baltimore from New York state where he was Vice President of the Rochester Museum and Science Center. In the short time he has been here, he has already laid out a exciting vision for BMI. We are fortunate to have someone of Mr. Cypher's caliber and experience join BMI.

TEAM appreciates the outstanding leadership provided by the outgoing director Bill Cole. Bill stepped in as Executive

Director in April 2000 following Dr. Dennis Zembala's departure. Reflecting back over the events of the last two and a half years, words cannot begin to describe just how fortunate we have been to have Bill's leadership. It is through the tireless efforts of Bill that BMI has been able to maintain and enhance its services to the community through a time of transition.

TEAM welcomes Paul Cypher to Baltimore and pledges its support of the Baltimore Museum of Industry in its mission to promote technological literacy.

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1/4" x 1/4"	50 pcs.	\$14.95	500 pcs.	\$133.00
1/16" x 3"	10 pcs.	\$8.50	50 pcs.	\$37.50
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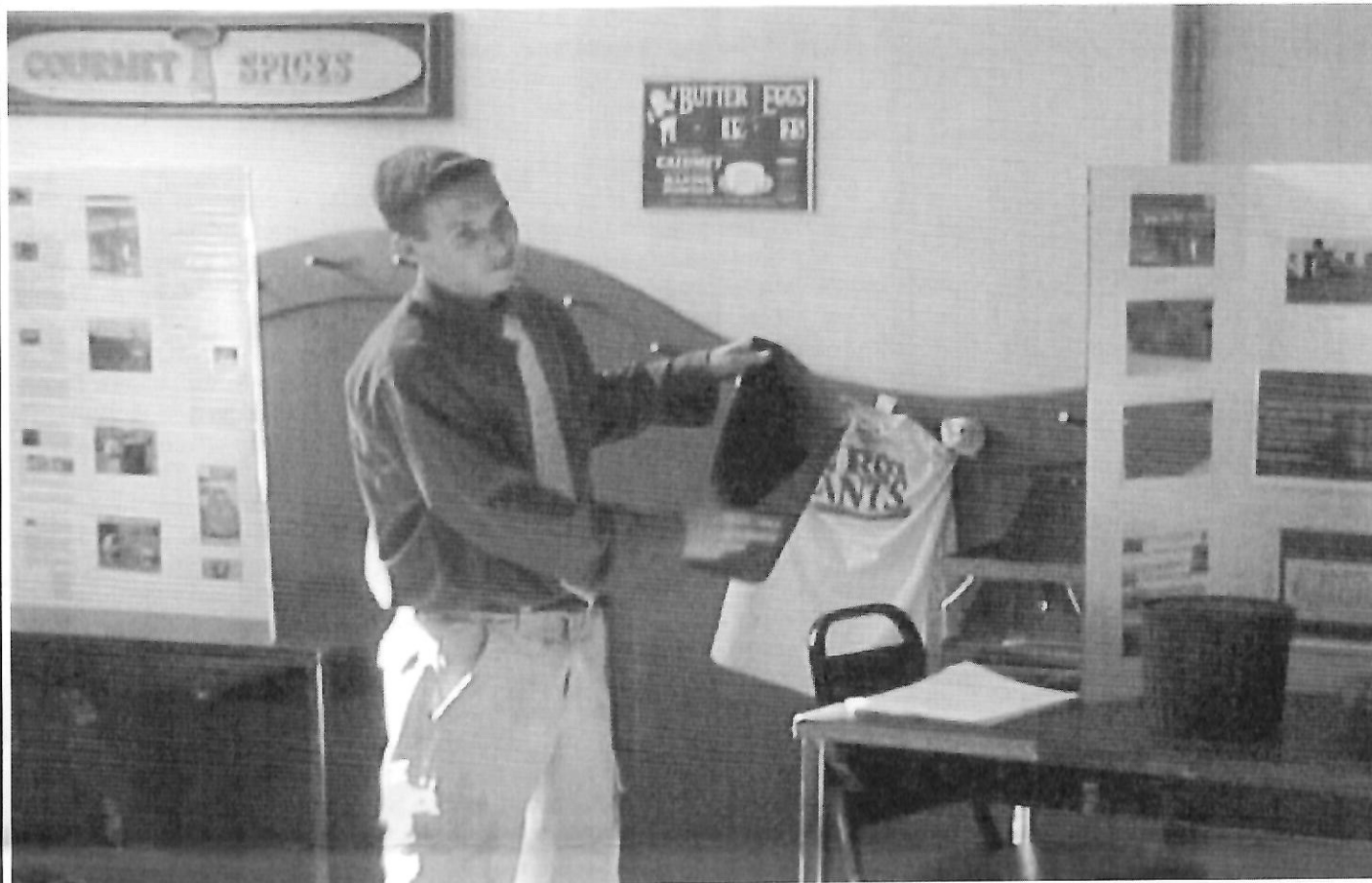
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Justin Wilson of Dundalk High School gave a PowerPoint presentation at TEAM's TECH EXPO 2002 held at the Baltimore Museum of Industry on October 18, 2002. Justin's presentation which included visual aides and hands-on resources was on Green Roof Environmental Technology. Justin was the only student presenter. He is a senior and is ranked first in his graduating class with a perfect 4.0 grade-point-average and is planning on entering Johns Hopkins University in the fall majoring in Engineering and Mathematics. TEAM is indebted to Dundalk High School technology teacher Ken Hadfield for bringing Justin to our attention.

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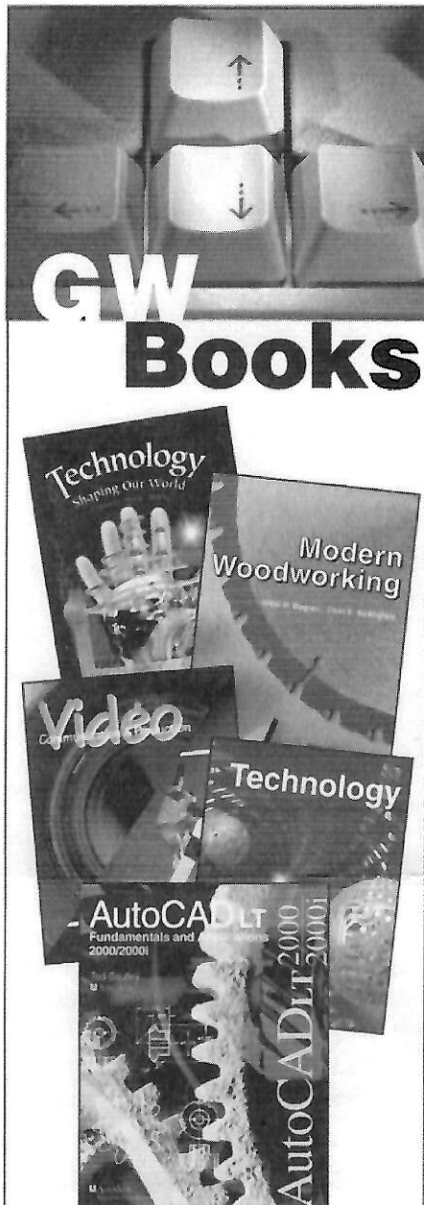


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## Execution

### The Discipline of Getting Things Done

by

Larry Bossidy and Ram Charan

With Charles Burck

New York: Crown, 278 pp, 2002, \$27.50.

## Book Review

The authors came together to combine the insights of an experienced practitioner with those of a successful theorist. Bossidy's background includes many years as an outstanding Vice Chairman of General Electric and employee of Allied Signal. During his 31 quarters there, the company had earnings-per-share growth of 13% or more. He retired when Allied Signal merged with Honeywell International. He returned to Honeywell in 2002 when it failed to merge with GE. Ram Charan is well known for his expert advice to several company's CEOs and senior executives. Together, they wrote a down to earth book on how to successfully develop an effective business.

Part I, entitled 'Why Execution is Needed', describes the heart of what this book is all about. It is an explanation of the discipline of execution. First, is a thorough explanation of the undetected gap between intentions and implementation. This is followed, in Chapter two, by a description of the discrepancies that make the difference between goal setting and goal achievement. The authors point out that there are three central elements to understanding execution. First is that it is a discipline that serves as the central foundation to strategy. Second, it is the major task of the company leader. Third, in order to work, it must be made a core component of the very culture of the company.

Chapters three to five offer an array of reasons why execution so frequently fails to occur in many concerns, both large and small. After stressing that the basic building blocks have to be set up, they identify and describe them. They are: (1) the personal priorities of the leader; (2) the social software demanded for successful cultural change to occur in the workplace; and (3) the selection and appraisal of people by the leader. Strongly pointed out is that the selection and appraisal processes are the leader's most critical tasks.

The third part of the book is the implementation section where the authors describe the three core processes that are the heart of successful execution. In Chapter Six, the important process of people selection is addressed. They point out that careful attention will provide a leadership gene pool that has the abilities and know-how to design and frame strategies that can be executed, then convert them into operational plans with concrete points of accountability. Chapters Seven and Eight are devoted to describing the strategy process.

Chapter Nine focuses on the need to convert strategy into specific actions in order to be successful. In the final analysis, the people process has to be tested to match between organizational capabilities and the requirements for successful execution of the operating plan. The authors strongly stress that in order to deliver on their commitments, or to make successful changes, leaders must practice the discipline of execution from top to bottom of the company. In Chapter Nine, a point is made that the operations process is a three-step endeavor. It begins with the strategy process, which is a clear definition of where the company intends to go. This is followed by the people process, which elucidates the people who are going to get the company there. The final part of the sequence is the operating strategy. This should be a plan for the leaders to use to implement the operating strategy.

A technique used in this book is frequent use of first person dialogue. First, a principle or statement is made, with elaboration in some cases. This is followed by one of the authors describing an experience where the principle or statement was

implemented or not implemented. While it does add a flavor to the overall discussion, at times it seems to prolong the discussion on a particular point. As a result, there seems to be a lot of conversation from one author to the other in many sections.

The book is written in language that is understandable to company workers and is free of jargon for the most part. The Index is somewhat brief and could have been expanded to ease the task of returning to selected topics. It is a well executed book overall.

Lynne M. Gilli  
Angelo C. Gilli

TEAM's newsletter is edited by  
Aaron Gray. Comments and  
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[agray@mail.howard.k12.md.us](mailto:agray@mail.howard.k12.md.us)

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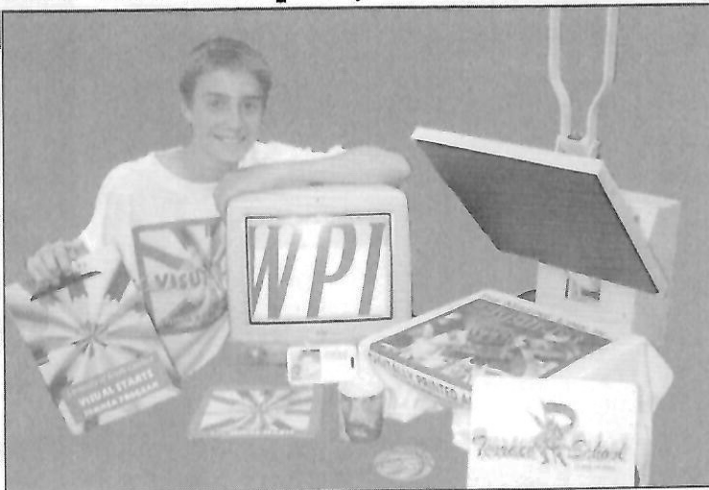
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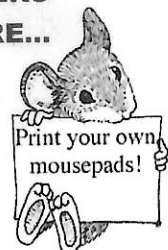
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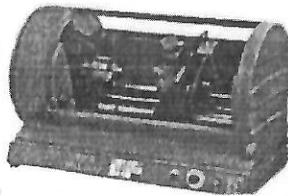
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