

NETWORK

A Publication of
TEAM

Technology Education Association of Maryland



TECHNOLOGY EDUCATION – Education For The Future

WINTER, 1995

VOLUME 6 NUMBER 2

Profiles in Excellence Awarded by Team

*Team Awards 1994-95
Presented at Martin's West*

Ed Stabler Recognized By TEAM For Teacher Excellence

Mr. Edmund Stabler, technology education teacher at Eleanor Roosevelt High School in Prince George's County, has been recognized by TEAM as the 1994 "Technology Education Teacher Excellence Award" recipient. This special recognition was given at the October 21st State conference at Martin's West Conference Center in Baltimore.

Ed's involvement with teaching has spanned almost two decades. Over the years his optimism for the future of his students has shown through to them in such a way as to brighten their view of the future. He helps them to gain confidence in themselves and their ability to meet challenges. This grows out of the manner in which he provides encouragement, opportunities for success while being challenged, and a sense of personal significance. His interaction with students is characterized by trust, kindness, friendliness, and unusual mutual respect. Most students seem to appreciate his genuine concern for them and respond by conscientiously striving to achieve in his class.

Mr. Stabler is extremely knowledgeable of his subject matter. His primary teaching responsibilities include "Engineering Foundations" and "Energy Systems". He is a prolific writer of instructional materials for use in his classes and has shared these materials widely with other teachers at his school and throughout Maryland.

See STABLER PAGE 2

Maryland Engineering Challenges April 22nd and 23rd

for more information, call

Baltimore Museum of Industry
410-727-4808

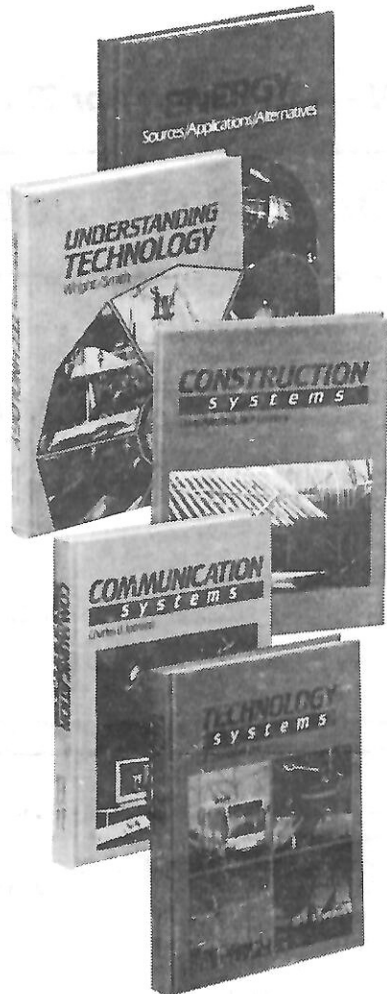
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TEAM CALENDAR

- **Executive Board Meetings**-- Howard County School of Technology, 6:30 p.m. 2/9/95, 3/16/95, 4/6/95, 5/11/95
- **Maryland Engineering and Technology Education Showcase**-- Baltimore Museum of Industry-- February 24, 1995
- **Howard County Technology Challenges**-- Wilde Lake High School at River Hill-- March 11, 1995
- **ITEA Conference in Nashville**-- March 26-28
- **Nominations for TEAM Recognition**-- due April 1, 1995
- **Maryland Engineering Challenges**-- Baltimore Museum of Industry - April 22 - 23, 1995
- **Prince George's County Technology Challenges**-- Prince George's Comm. College-- May 5, 1995, 7:00 pm.

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STABLER - from page 1

In addition to the great effort Mr. Stabler puts into his regular teaching responsibilities, he has committed great effort to some special programs. One such program he has conducted in the past four summers is a program for minority and disadvantaged students who have yet to enter high school. The program strives to motivate students to pursue educational programs and careers based in science, math, and technology. Another of Mr. Stabler's special projects is "Opportunity Skyway" for "at risk" students. Last Summer his group in this program had an unprecedented nine of twelve students pass the Federal Aviation Administration written ground school examination on their first try. Additionally, Ed has been working with small groups of students for several years in the production of a pilotable experimental aircraft.

Ed will receive further recognition for his accomplishments at the March, 1995, conference of the International Technology Education Association in Nashville, Tennessee. ■

Jim Roberts Recognized by TEAM for Middle / High School Teacher Excellence Award

Jim has performed "miracles" with multidisabled adolescents as an integral and dynamic member of the Institute by having them compete successfully with regular students. His achievements are so extraordinary and meaningful because his students present complex learning and emotional challenges. He is a master teacher artfully assimilating his students into the world of technology. ■

William Falatko Recognized By TEAM For Middle School Teacher Excellence

Bill promotes student involvement, recognition, and self esteem by creating a daily televised production of school announcements with his students. He is respected by the school staff for his problem solving skills, fairness, quality of work, commitment to the school, planning ability, insight, and initiation of activities to promote success for every student. He is a catalyst for the improvement of teaching schoolwide with the acquisition and utilization of technology in all instructional areas of the school. ■

**Montgomery Blair H.S. Recognized By
TEAM For Program Excellence
Montgomery County**

Robert Hopkins, Scott Drugo
Robert Segreti, Leonard Clay
Edward Heyman, Edward Johnson
Mark Curran, John Kaluta, James Kedos

These technology and science teachers have combined their efforts to deliver a comprehensive Technology and Science program that allows students to connect, utilize, understand technology, math, and science concepts. The program uses strategies and activities in a conducive technological environment which will exemplify authentic and meaningful learning.

**Earle B. Wood Middle School Receives
Middle School Program Excellence Award**

KATHLEEN FULCOMER
GEORGE HANEY

This Discovering Technology program demonstrates to students the relevant interconnectedness of technology, math, and science. Problem solving, hands-on, and experimental aspects of the program are a foot print for the study of the state-of-the-art technology. ■

**Thomas Elliott Recognized By TEAM For
Supervisor Excellence**

ALLEGANY COUNTY PUBLIC SCHOOLS

The succesful involvement of students, teachers and admininstrators in all phases of the technology education program implementation in Allegany County is due to the professional commitment of Thomas Elliott. His leadership extends beyond the county to the western part of Maryland as he hosted the Western Regional Technology Education Workshop this past summer. ■

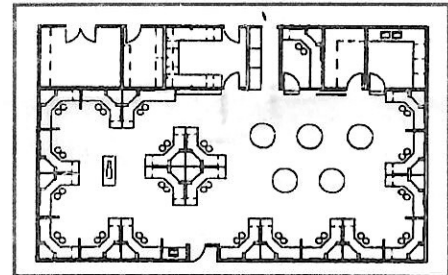
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ASSOCIATION**

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Encourage your colleagues to join TEAM
STRENGTHEN YOUR PROFESSIONAL ORGANIZATION

**Kevin Michael Recognized By TEAM
For Supervisor Excellence
Calvert County**

The success of Technology Education in Calvert County is due to Kevin Michael's efforts in conveying the importance of technology education for all students to administrators, counselors, teachers, and the community; and then to commit resources to promote the transition to this new technology based program. ■

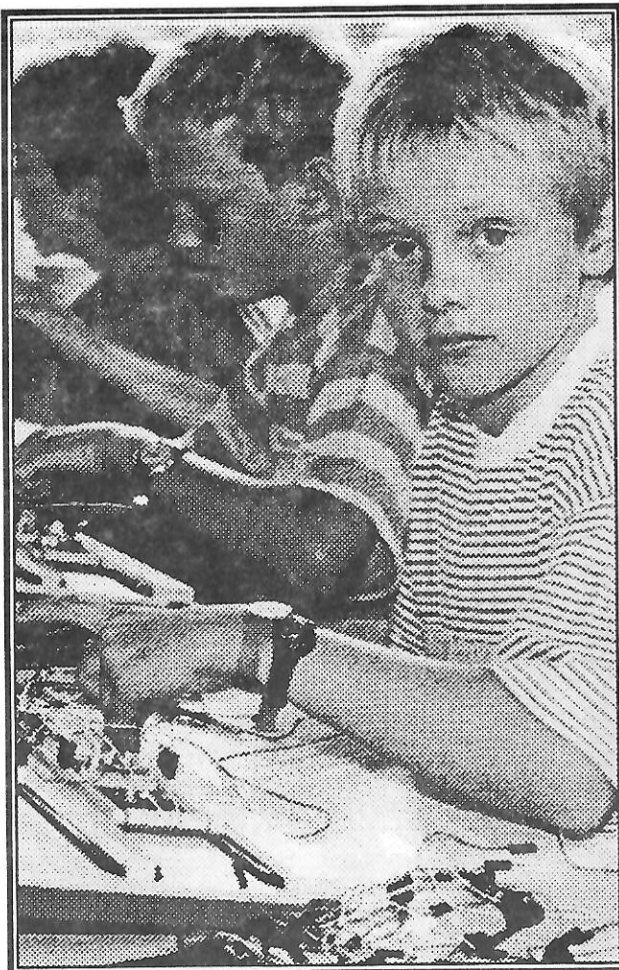
**Robert Gray Recognized By TEAM For
State Institution
Agency Supervisor Excellence
State Dept. of Education**

His knowledge of Education and Technology Education has earned him respectability in the field of technology education to represent our field well from his post at the

Maryland State Department of Education. He has a viable, creative vision of how Technology Education can deliver an instructional program to serve our students and society. He is committed and dedicated to teaching and learning. ■

**Allegany County School System
Recognized By TEAM For School
System Distinction**

Through the efforts of Tom Elliot and the Allegany County technology teachers, a model technology program was developed and implemented. Learner outcomes are documented through portfolio and performance assessments where high school students demonstrate "what they can do" as well as "what they know." This past summer the teachers shared their hardwork with surrounding school systems at the Regional Workshop. They have the highest percentage of TEAM membership in the State of Maryland. ■



Electronic Lab

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Montgomery County Public School System Recognized By TEAM For School System Distinction

The efforts of Barry Burke and John Antonishak with support from Jack Shoendorfer have set the foundation for the development of a diversity of Technology curriculum materials. Watkins Mill High School was the meca for the incubation of over a dozen quality documents. Without these efforts the critical change to technology education would not have been a reality. Their efforts spurred many similar efforts across the State of Maryland. ■

University of Maryland Eastern Shore Recognized By TEAM For Educational institutional Distinction

Dr. Leon Copeland, his faculty and staff provided the state of the art setting in the Technology department and the University of Maryland Eastern Shore for five days of professional development. The participants were immersed in a breadth of technical knowledge and skill in the areas of structural systems, statics, fluidics, electronics, computer control, and data acquisition. This is the beginning of future efforts to enhance and spread technology education in Maryland with high technology. ■

The Baltimore Museum of Industry Recognized By TEAM For Distinction Business / Industry

The Museum has been a unique setting as both the depository of the technological roots of the nation and an educational effort that has complemented Technology Education in our schools. It is at the geographic center of the State of Maryland as well a center for support for curriculum efforts. The building has been a place to hold events that have shaped many statewide educational initiatives. It is a place where we are welcome, a home, a place where we are able to see the past and create a vision of a beneficial technological future. ■

Dr. George Simonis, Physicist, Recognized By TEAM For Award of Distinction

Dr. George Simonis is a physicist with the U.S. Army Research Laboratory in Adelphi, Maryland.

Dr. Simonis arranged for a grant from the Institute of Electrical and Electronics Engineers (IEEE) which was used by Prince George's County Technology Education teachers to develop an instructional activity package dealing with optical communications.

Dr. Simonis also provided advice and technical assistance in the development and refinement of the instructional package. The instructional package includes a video tape, background document for teachers, student instructions for hands-on activities, optical communications hardware for student exploration, and a student worksheet.

Dr. Simonis has been one of the two prime movers in organizing and providing direction for the annual Educators Day sponsored by the Institute of Electrical Engineers (IEEE). IEEE Educator's Day is a staff development opportunity for teachers in the greater Washington area in the fields of communications, robotics, integrated circuit production, microwave communications, and holography.

Dr. Simonis has assisted the Prince George's County Public Schools as a judge for the annual Technology Challenge problem-solving events for technology education students. ■

Recognized By TEAM For Award of Distinction

Dr. Chris Davis is Professor of Electrical Engineering and President of the Faculty Senate, University of Maryland at College Park.

Dr. Davis has been one of the two prime movers in organizing and providing direction for the annual Educators Day sponsored by the Institute of Electrical and Electronics Engineers (IEEE). IEEE Educator's Day is a staff development opportunity for teachers in the greater Washington area. Over the past six years the

DAVIS - from page 5

annual all-day program has enabled numerous technology teachers, and other teachers, to see and participate in demonstrations pertinent to such modern and cutting edge technologies as lasers, optical communication, robotic, integrated circuit production, microwave communications and holography.

Dr. Davis has assisted the Prince George's County Public Schools regularly as a judge for the annual Technology Challenge problem-solving events for technology education students.

Dr. Davis has been an advocate for technology education in the College of Engineering, opening doors of opportunities to acquaint professors and administrators about the linkages of secondary technology education and collegiate engineering education. ■

Conference '94

"PILOTING THE FUTURE: A TURN TOWARD SUCCESS"

The 1994 conference theme "Piloting the Future: A Turn Toward Success" offered us a flight into the of future of opportunities to acquire knowledge and strategies for current and future initiatives such as school to work transitions, cross curriculum connections, skills for the workplace, tech prep and articulation programs, business, community, internships, apprenticeships, mentoring, and infusion of technology.

Again this year, TEAM sponsored the Technology Fair. The Technology Fair displayed and demonstrated innovative technology education programs and teaching learning strategies from across Maryland. The fair was exciting, interesting, and one of the highlights of the conference. Thanks to Paul Dunford, TEAM facilitator.

Closing out the conference was the Keynote speaker, Drew Brown. Lt. Drew Brown is a best selling author, well known and excellent speaker, and President and founder of the American Dream Foundation. ■

The Weather Revolution

BOOK REVIEW

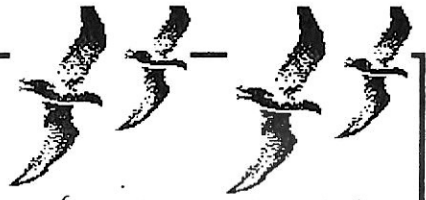
Jack Fishman and Robert Kalish
Plenum Press, 1994, 276 pages

The authors have succeeded in putting together an excellent treatment of the progression of predicting weather since ancient times. Made abundantly clear from start to finish is the critical importance of technological breakthroughs in revolutionizing the manner in which weather is forecasted in the 90's. The introduction of various technological breakthroughs and their effects makes for interesting reading, especially for teachers and other educators who deal with technology education.

The work is divided into nine chapters, each of which addresses a major concern in the science of forecasting weather. Chapter one offers very clear explanations as to why weather forecasters are wrong so much of the time - it is the matter of so many variables interacting. It is interesting to note that, like most computational and statistical forecasting, the general conditions for a large area can be predicted with a relatively high degree of accuracy, but the weather at a given point in time for a specific city or small region continues to be highly difficult to pinpoint. After reading this explanation, one comes away with a better understanding of the fact that weather forecasting is a hybrid activity: partially science and partially an art practiced by the forecaster.

The historical development of weather forecasting is provided in a clear and easy to understand manner. The authors track progress from earlier methods of basing predictions on such factors as wind direction and color of the sky, on through to the present state of the art which draws upon a combination of the latest advances in computerization and satellite-derived data. Particularly fascinating are the early forays into using computations for the prediction of weather. Lewis Richardson, in 1922, proposed the development of a forecast model that used numerical equations in each of the many squares for a given region. He went so far as to suggest that there be one person doing the calculations for each of the squares, all at the same time, and out of this would come a regional forecast. With 2000 active points around the globe, this would have required 64,000 human computers to conduct the calcula-

see WEATHER - next page



WEATHER -- from page 6

tions. His notions were set aside of course, but much of the approach he suggested for his "forecast factory" is being implemented today, thanks to modern data collection methods (including satellites) and the rapid computational ability of modern computers. This development nicely demonstrates the importance of technology in our daily living and how knowledge of it makes everyday occurrences more comprehensible.

The last chapter, "The Revolution Has Begun", previews the exciting times that lie ahead as the science / art of weather forecasting becomes even more critical for the saving of lives and property from the devastation of huge and powerful storms. It is a good read and serves to reinforce the importance of technology education. ■

Angelo C. Gilli, Sr.
and
Lynne M. Gilli

LESSONS FROM GEESE

"Lessons from Geese" was transcribed from a speech given by Angel Arrien at the 1991 Organizational Development Network and was based on the work of Milton Olson. It circulated to Outward Bound staff throughout the United States. It was shared by C.B. Pippin, Jr.

Fact 1:

As each goose flaps its wings it creates an "uplift" for the birds that follow. By flying in a "V" formation, the whole flock adds 71% greater flying range than if each bird flew alone.

Lesson:

People who share a common direction and sense of community can get where they are going quicker and easier because they are traveling on the thrust of one another.

Fact 2:

When a goose falls out of formation, it suddenly feels the drag and resistance of flying alone. It quickly moves back in formation to take advantage of the lifting power of the bird immediately in front of it.

Lesson:

If we have as much sense as a goose we stay in formation with those headed where we want to go. We are willing to accept their help and give our help to others.

Fact 3:

When the lead goose tires, it rotates back into the formation and another goose flies to the point position.

Lesson:

It pays to take turns doing the hard task and sharing leadership. As with geese, people are interdependent on each other's skills, capabilities and unique arrangements of gifts, talents, or resources.

Fact 4:

The geese flying in formation honk to encourage those up front to keep up their speed.

Lesson:

We need to make sure our honking is encouraging, in groups where there is encouragement, the production is much greater. The power of encouragement is the quality of honking we seek.

Fact 5:

When a goose gets sick, wounded or shot down, two geese drop out of formation and follow it down to help and protect it. They stay with it until it dies or is able to fly again. Then, they launch out with another formation or catch up with the flock.

Lesson:

If we have as much sense as geese, we will stand by each other in difficult times as well as when we are strong.

"I AM

By Hiam Ginott

**I have come to a frightening conclusion:
I am the decisive element in the classroom.**

- It is my personal approach that creates the climate.
- It is my daily mood that makes the weather.

As a teacher, I possess the tremendous power to make a child's life miserable or joyous:

- I can be a tool of torture or an instrument of inspiration.
- I can humiliate or humor, hurt or heal.

In all situations it is my response that decides:

- Whether a crisis is escalated or de-escalated.
- And a child humanized or de-humanized.

Taken from "Ruby Benton's All Time Favorite Quotes"

DR. KEN ANDREW LEAVES TEAM AND MARYLAND

Technology Education in Maryland and TEAM will greatly miss Dr. Ken Andrew. Ken has resigned as Executive Director of TEAM, a position he has held for over two years. Ken is moving to Connecticut. The move also means that Ken will leave his position at the Maryland State Department of Education.



Dr. Andrew added greatly to the smoothness of operation for our organization. We thank Ken for his dedicated service and wish him well in the future. ■

ITEA TO OFFER ELEMENTARY TEACHER EXCELLENCE AWARDS

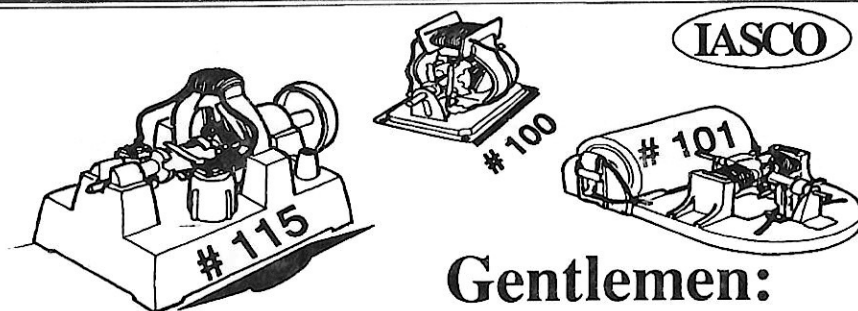
The International Technology Education Association has just completed plans to offer its first Teacher Excellence Awards at the elementary level during the ITEA International Conference, March 1996 in Phoenix. ITEA is known for its tradition of recognizing outstanding teachers from each state/province. This program has traditionally recognized secondary teachers and has operated in conjunctions with the ITEA affiliate associations in North America.

ITEA's Awards Committee is currently working on the criteria for this award that will recognize an outstanding elementary school teacher involved in technology education. Any school holding an ITEA membership will have teachers eligible for this award. ■

Make Award Nominations on Page 9

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TEAM Recognition Nomination Forms -- Return by April 1, 1995 to Mark Hammett, 913 Eastham Court #12, Crofton, MD 21114.

TECHNOLOGY SUPERVISOR EXCELLENCE AWARD 94/95

Requirements:

- 1-Nominee is an active member of TEAM
- 2-Nominee is a current administrator/supervisor in the area of technology education.
- 3-Nominee has shown leadership in promoting technology education and be actively involved in developing technology education programs and staff development for teachers under their supervision.

Nominee: _____ LEA: _____
 Comments: _____

TECHNOLOGY EDUCATION AWARD OF DISTINCTION

Nominee: _____ Position _____
 Workplace: _____

 LEA: _____

Please summarize the achievements or contributions of the individual you are nominating. Please be as complete as possible.

Nominated By: _____ Title: _____
 Address: _____

 Phone: _____

TECHNOLOGY TEACHER EXCELLENCE AWARD 94/95

Requirements:

- 1-A Member of both TEAM and ITEA.
- 2-Certified to teach industrial arts/technology education and have at least 3 years of successful teaching experience.
- 3-A full-time teacher of technology education (teach at least 4 periods)
- 4-A teacher whose superiors believe is worthy of being considered an outstanding State of Maryland educator.

Nominee: _____ School _____
 Courses Taught: _____ LEA _____
 Comments: Discuss activities, qualifications of the individual

TECHNOLOGY PROGRAM EXCELLENCE AWARD 94/95

Requirements:

- 1-two-thirds of teachers must be members of TEAM and ITEA
- 2-Certified to teach industrial arts/technology education.
- 3-Program must be representative of a successful approach to teaching technology education.

Nominee (School) _____ LEA _____
 Teachers: _____

Description of Program (Please indicate why you feel it is unique and why it is successful)

Upon receipt of your nomination(s) we will contact you at the address below for additional information. Recommendations (supervisor/principal) & course/program materials.

Nominated by: _____ Title _____
 Address: _____

 Phone: _____

TEAM
RECOGNIZES
SPECIAL
ACCOMPLISHMENTS



DR. CHRIS DAVIS, PROFESSOR OF ELECTRICAL ENGINEERING UMCP, RECEIVES AWARD OF DISTINCTION



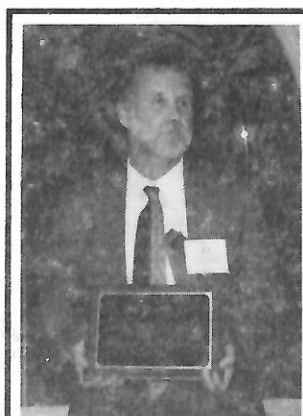
JIM ROBERTS FROM THE KENNEDY KRIEGER INSTITUTE IS THE M.S./H.S. TEACHER EXCELLENCE RECIPIENT



BRIGITTE VALESEY PRESENTS BARRY BURKE WITH MONTGOMERY BLAIR'S HIGH SCHOOL PROGRAM EXCELLENCE AWARD



BOB GRAY, STATE SPECIALIST FOR TECH. ED. IS RECOGNIZED FOR SUPERVISOR EXCELLENCE



RICK AVONDET, TEAM SECRETARY AND TEACHER FROM OXON HILL H.S., IS PRESENTED A STATE LEADERSHIP AWARD



ALLEGANY COUNTY IS RECOGNIZED FOR LOCAL PROGRAM EXCELLENCE

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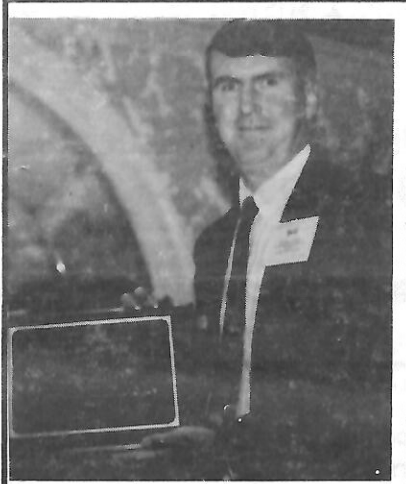
MIDDLE SCHOOL PROGRAM EXCELENCE IS SHARED BY KAY FULCOMER AND GEORGE HANEY OF EARLE B. WOOD M.S.



KEVIN MICHAEL, CALVERT COUNTY, RECEIVES AN AWARD FOR LOCAL SUPERVISOR EXCELLENCE



MONTGOMERY COUNTY IS RECOGNIZED FOR LOCAL PROGRAM EXCELLENCE



WILLIAM FALATKO OF WHITE OAK M.S. IS PRESENTED M.S. TEACHER EXCELLENCE AWARD



DR. CHUCK BEATTY IS PRESENTED A STATE LEADERSHIP AWARD



UNIVERSITY OF MARYLAND EASTERN SHORE RECEIVES INSTITUTIONAL AWARD OF DISTINCTION HELD BY DR. LEON COPELAND



ED STABLER FROM ROOSEVELT H.S. RECEIVES H.S. TEACHER EXCELLENCE AWARD

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- Has curriculum consultants you can actually talk to?
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**•Make Award Nominations Inside
•MD Engineering & Tech Ed Reception
Baltimore Museum of Industry-- Feb. 24th**

