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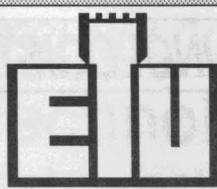
School of Technology

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TECHNOLOGIST

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Volume 4

Spring 1991

Wayne D. Coleman Long time faculty member retires

Thirty-four years seems like a long time, but to someone who has contributed so much to an institution over that period, it may seem quite short. "Time flies when you're having fun" is applicable here for Wayne D. Coleman, long-time professor in the School of Technology who is retiring from the University this spring.



Wayne and Shirley Coleman

Few professionals can point to as illustrious a career as Dr. Coleman. He began teaching in 1952 as a faculty assistant at the University of Wisconsin-Stout and concluded with 34 years at Eastern Illinois University. In between, he taught at the Barron, Wisconsin, high school, Millikin University, and the University of Northern Colorado while completing his doctorate. Dr. Coleman also served as the acting chair while at Millikin University, the chair and coordinator of industrial technology, and dean of the School of Technology at the University.

Dr. Coleman's educational accomplishments began in 1945 with high school graduation at New Castle, Indiana, a baccalaureate degree from the University of Wisconsin-Stout, a Master of Science from the same institution, and a Doctor of Education from the University of Northern Colorado.

In addition to these accomplishments, Dr. Coleman has extensive industrial consulting and industrial training experience. He has written training manuals, revised textbook chapters, conducted statistical process control seminars, directed industrial mechanics training, and managed quality control activi-

ties in industrial plants. These contributions to modern American industries have extended over five decades, touching the lives and well-being of many people.

One of the major points of pride for Dr. Coleman was being a founding father of the National Association of Industrial Technology. He saw this organization emerge from small meetings of professionals who knew this type of organization was needed, and grow until it became a major player on today's

scene. Dr. Coleman chaired the meeting at Southwest Missouri State University in which the NAIT's constitution was adopted and later served for three years as the Secretary-Treasurer of the NAIT.

Dr. Coleman continued to serve the NAIT as an accreditation team member and also as the chair of accreditation teams. The University's industrial technology program has been accredited by the NAIT, demonstrating the high quality and sustaining effort of faculty members toward this once-unique but now well-established academic program.

Dr. Coleman has spent the last three summers remodeling a cottage near a lake in northern Wisconsin where he and Mrs. Coleman will spend time enjoying the north woods, a bit of fishing, and some workshop teaching and consulting.

To Wayne D. Coleman: A job very well done and a retirement well deserved. You have served your profession and constituency admirably well.

Your friends and colleagues in education throughout the nation.

Letter from the Chair

I again take this opportunity to briefly update you on significant events in the School of Technology since the last Technologist. Perhaps of greatest significance is the retirement of Dr. Wayne D. Coleman. Dr. Coleman, the architect of the Industrial Technology degree program, has announced his retirement after thirty-four truly productive years at Eastern. His contributions to the School, University, and profession have been many and I feel fortunate to have been a colleague of his for the past 11 years.

Several remodeling projects were approved for the School during the 90-91 academic year and are at varying stages of completion. Three major projects involve the Energy, Production, and CIM laboratories. The CIM lab, located in Klehm Hall 212, has been expanded to include the finishing room (KH213). The block wall between the two rooms was removed and a frame and glass wall was constructed. What was the finishing room now houses the two CNC milling machines, CNC turning center, robot, and conveyor. Future plans are to add an automated storage and retrieval system and automated guided vehicle.

The large spray booth from the finishing room has been moved to the Production Laboratory and fitted with the latest in fire protection apparatus. It also has been enclosed and lights have been added. A glass and frame wall has been constructed in the Production Lab to separate the metal machining and fabrication area from the polymers area.

In the Energy Lab an integrated circuit board fabrication area is being equipped with new cabinets and exhaust system. The Energy Lab, KH 219, is now used exclusively for Electronics as the mechanical systems have been moved to a newly created lab in KH 214. The new Mechanical Lab houses the mechanical trainers, hydraulics, pneumatics, robotics, and thermodynamics instructional equipment.

The School's industrial technology program has been granted full accreditation by the National Association of Industrial Technology. Eastern is one of 38 universities in the United States with Association of Industrial Technology accreditation. Accreditation means the program has met quality standards established by the accrediting agency. NAIT has the endorsement of the U. S. Office of Education.

Finally, our belief that Eastern students are among the best in the country was again confirmed at the National Association of Industrial Technology's annual convention in Dearborn, MI. Four industrial technology students from Eastern made it to the finals of the I.T.I.Q. contest and Chris Ginder of Eastern won the contest and the grand prize of a Zenith 386 computer.

As I have stated before, the Technologist is published for the benefit of our alumni. If you have information of interest or suggestions as to how we can improve the publication, contact us.

Sincerely,

Larry D. Helsel, Chair

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Technology faculty volunteer for Habitat

Four members of the School of Technology faculty have been volunteering their time and skills to Coles County Habitat for Humanity. Larry Helsel, Howard Nelms, Mahyar Izadi, and Mori Toosi have spent much of their free time since August helping to build a small ranch style house for a local family.

Coles County Habitat for Humanity is an affiliate of Habitat for Humanity International, an ecumenical,

grass roots organization with the goal of eliminating poverty housing. Habitat International's most celebrated volunteers are former President Jimmy Carter and his wife, Roselyn.

The current Coles County Habitat project is located on 11th Street in Charleston. The house, a 1050 square foot, three bedroom ranch, is estimated to cost approximately \$24,000 to build. The money to build the house was raised by Habitat volunteers. The family

who will eventually occupy the house will pay no interest on the house and will pay only for the cost of the materials. The family is also required to work a minimum of 450 hours on their house and other Habitat projects.

The house on 11th Street is near completion and will soon be occupied by its new owners. Coles County Habitat hopes to acquire property in Mattoon for its next project.

Retired technology faculty still active

DR. C. H. ERWIN.

Dr. Erwin retired from the University in 1980 to pursue diversified interests in Charleston. Soon after retirement, he opened a craft shop replete with a large inventory of supplies and equipment. He provided hands-on instruction along with instruction in the arts and crafts.

Dr. Erwin assisted a son in designing, contracting, and constructing a home in the city in addition to other construction projects. One such activity was the rebuilding of a home by adding rooms, decks, bathrooms, and a garage. In his quiet and well-controlled manner, Dr. Erwin is well and busy as a University retiree.

DR. EWELL FOWLER.

Dr. Fowler spent thirty-three years at the University before retiring in 1974. He and his wife Marie spent much of their free time travelling throughout the country visiting their children and grandchildren. Dr. Fowler

owned and managed considerable real estate holdings in Charleston during his teaching years and shortly thereafter.

In 1990, the Fowlers moved to Blacksburg, Virginia to be near their daughter and her family, and entered a retirement complex to live. Mrs. Fowler died in 1990, and Dr. Fowler continues to live in Virginia. He enjoys being informed of events in Charleston and at the University, and participates in activities at the complex. He is as bright as ever, and still speaks in his careful, measured manner.

DR. RAYMOND V. GRIFFIN.

Dr. Griffin retired in 1987 after teaching at the University for 29 years. Since his retirement, he has remained with the School of Technology to supervise student teachers. This keeps him in touch with faculty and students.

Dr. Griffin also continues with his many hobbies, jewelry-making being the most enjoyable. He does silver and gold casting

as well as diamond setting.

The Griffins (Catherine and Ray) do some travelling, most recently to Hawaii where Ray visited the World War II memorials. He passed through Hawaii in 1944 while in the service. Both of the Griffins are enjoying their well-earned retirements.

DR. WALTER A. KLEHM.

Dr. Klehm retired from the University's Industrial Arts Department after serving thirty-two years as its chair. He saw the new then-Applied Science and Education Center building completed and later renamed in his honor as Klehm Hall.

During the past twenty years of retirement, Dr. Klehm and his son Merwyn built two more apartment houses. Until last year, Dr. Klehm managed the thirty-one apartments located in five buildings and four houses.

Dr. Klehm's son Merwyn retired from his position as director of the extension center at the Great Lakes Naval Center operated by Southern Illinois

University. Merwyn now manages the family apartment house business and serves as maintenance coordinator. This means that Dr. Klehm has now retired for a second time.

Dr. Klehm is active in the Charleston Rotary Club where he has been a member for more than fifty years. He and Mrs. Klehm have attended the conventions of the Rotary International Club. Lucille Klehm is an active homemaker whose hobbies are reading, cooking, playing bridge, and doing church work.

The Klehms have travelled extensively through Great Britain, Scandinavia, western Europe, Asia, the Hawaiian Islands, and the United States of America. Both Lucille and Walter Klehm are held in very high regard by faculty and townspeople, and all wish them well in their retirement years.

DR. BOBERT SONDERMAN.

Dr. Sonderman retired in 1989 and, as Dr. Fowler, had invested

thirty-three years in the University. Dr. Sonderman returned for one semester to teach on a part-time basis.

The Sondermans (Hazel and Bob) still reside in Charleston and spend some of their time visiting their children and grandchildren. They spent last Thanksgiving in Washington, D.C. visiting their son Bob and his family, and then went to Tucson to spend Christmas with their daughter Susan and her family.

Hospice clients take much of the Sondermans time since both are active volunteers in the care of terminal patients who choose to remain at home. Dr. Sonderman continues to serve as Supervisor of Officials for the Gateway Conference, on the Board of Directors for the Coles County Mental Health Association, and refurbishes antique furniture in his spare time. Mrs. Sonderman devotes time to church work and other civic activities.

FACULTY NEWS

Professional activities of the faculty

DON ARMEL.

Article published in Mainframe's Plus Magazine entitled "Using Graphics in Instructional Materials," first place in the amateur photo division at Lakeland College, served on two Illinois State Board of Education evaluations, Council on Teacher Education member, and Computer Resource Faculty representative.

LOUIS BUTLER.

Presented "Enhancing Classroom Instruction Using Robots" at the Quincy Conference, presented "The Rhino Robot" at the Illinois Vocational Association's annual conference, attended these annual conferences: National Association of Industrial Technology, International Technology Education Association, Technology Symposium.

WAYNE COLEMAN.

Proctored the Engineering Graphics Examination for the TEAMS competition sponsored by the Pre-Engineering Program, attended these conferences: National Quality Month Teleconference, Quality Seminar, Achieving Quality in America Teleconference, Total Quality Management Teleconference.

LARRY HELSEL.

President of the National Association of Industrial Technology's University Division, chair of the National Association of Industrial Technology's on-site accreditation team, completed a study of a "Projected Supply and Demand of Industrial Arts/Technology Education Teachers in Illinois," participated in the National Institute of Standards and Technology workshop on Standard Experiments in Engineering Materials Science and Technology, published/has had accepted four articles in the Journal of Industrial Technology, co-presenter of the Administrative Leadership Forum sponsored by the

National Association of Industrial Technology, and a member of the Board of Directors for the Coles County Habitat for Humanity.

MAHYAR IZADI.

Presented "Characteristics of Quality Assurance Training in Metal Manufacturing Establishments," co-presented "Defect Analysis in Automated Assembly Line Via Automatic Identification."

HOWARD NELMS.

Observed at the state Vocational Clubs of America conference, resource person for the Coles County Habitat for Humanity Project, member of the state industrial Joint Staff.

RAY RICHARDSON.

"The Integration of A CIM Laboratory" published in the Journal of Industrial Technology, and attended workshops on automation and CIM at the National Association of Industrial Technology's annual conference.

MORI TOOSI.

Co-presenter of "Defect Analysis in Automated Assembly Line Via Automatic Identification."

TOM WASKOM.

Submitted for publication "NAIT Student Chapter at Eastern Illinois University," attended these annual conferences: National Association of Industrial Technology, American Society of Engineering Educators, chaired sessions and presented these papers at two conferences: Solicited Industrial Donations Support Innovative Educational Opportunities."

DEBORAH ANN WOODLEY.

Presentations on "Photography, Graphic Design, and Video Production," member of the Council of Faculties.

New faculty Markward joins Career Occupations staff

Martha (Marty) Markward joined the Career Occupations faculty for the fall semester of 1991. She earned both her master's and doctorate degrees from the University of Illinois,

Champaign-Urbana campus. Her interdisciplinary graduate study in vocational and technical education focused on training and development in addition to special needs populations.

From 1986 to 1989, Marty worked on research projects with the Department of Education and Department of Special Education and Rehabilitation Services.

She coordinated an Equity Forum for the National Center for Research in Vocational Education dealing with the issue of early leaver access to vocational education at both post-secondary and secondary levels. Her research interests relate to the connection between the socialization of individuals in the workplace and other social environments.

Marty's present academic responsibilities include teaching three career occupations courses: Occupational Perspectives, Career Development, and Training Systems Administration.

School of Technology sponsors Video Conference for area industries

A video conference, "Total Quality Management: The Corning Implementation," was presented to businesses and industries in the central Illinois area on February 21, 1991. The conference was a live interactive television program delivered via satellite to a specially invited audience. Participants had the opportunity to ask panelists questions by calling a toll-free number and hearing the answer "on air."

The conference was intended to help small and medium sized organizations begin the process of developing and implementing a total quality management system. The program featured the presentation of varied

experiences of total quality managers involved with the highly successful program at Corning Incorporated. The presenters focused on how organizations can adapt lessons learned by Corning to their own operations.

Four panelists presented "Making Quality A Competitive Strategy," "Corning's Total Quality Management System," and "Total Quality in Action." These presentations included describing strategies to make total quality work, introducing principles and actions to make total quality effective at any level, and the manager's role in implementing total quality systems.

Consulting, industrial services offered by School of Technology

Several faculty members of the School of Technology have provided training and consulting services to east central Illinois businesses and industries in these areas: Statistical process control, plant layout, microprocessor electronics and interfacing, robotics, materi-

als testing, and printed circuit board fabrication. The training and educational needs of these companies were met by custom designing instructional programs dependent upon facilities, personnel, and individual expertise.

Technology Education program news

The curriculum for the Technology Education program has been revised to meet new state certification requirements. These state requirements for Industrial Technology Education are effective for all persons requesting certification after July 1, 1991. Although the previous curriculum met state requirements, the revised program will provide improved articulation with Illinois community colleges.

Considerable effort has been expended over the past several years in improving community college articulation in the technology area. The Joint Staff for Industrial Education, in coordination with the Illinois Community College Board, requested of all Illinois community colleges that Industrial Technology Education be included in each college catalog's secondary transfer program. The Coalition for Vocational and Technical Leaders in Illinois disseminated information regarding the high demand for industrial technology education teachers to community colleges, area vocational centers, and educators in Illinois. Technology faculty have visited all 47 community colleges and 14 area vocational centers to provide articulation information to prospective students.

A unique experience in technology was provided for students at the Illinois TSA State Conference this spring. Larry Helsel and Louis Butler conducted a design problem solving competition in the building of a paper helicopter which would maintain a maximum flying time. Given variables included wing and body length/width, use of paper clips and tape, and three weights of paper that could be used. Students were given a pattern that determined the maximum amount of paper area that could be used.

Howard Nelms participated in the state Vocational Industrial Clubs of America (VICA) contest in Springfield this spring by hosting an exhibit booth. The VICA contestants were able to speak with Professor Nelms, read the printed materials, and ask questions about teaching technology education as a career.

All of these efforts have resulted in an increase in enrollment in the technology education program. The fall semester enrollment should be higher than in recent years and the faculty will continue recruitment efforts to further increase enrollment.

University Court building named after Charles A. Elliott

The Board of Governors Universities approved the purchase of the Regency Apartment Complex, renamed the University Court, in the fall of 1988. The Court consists of eleven buildings located on six acres south of the University directly across from Carman Hall.

Six of the buildings were named after seven distinguished former University faculty with one building carrying the names of both E. Glendon and Lucina P. Gabbard. Other former faculty honored were George K. Cooper, James F. Giffin, Lawrence Ringenberg, and James A. Saunders.

One building was designated for Charles A. Elliott, a retired industrial arts faculty member for thirty-seven years. Dr. Elliott retired from the faculty in 1973 and passed

away in 1988. He is survived by his widow, Lois, who still lives in Charleston.

Dr. Elliott served as faculty representative to the Athletic Conference and the National Collegiate Athletic Association, and as trustee for the Epsilon Pi Tau honorary fraternity. The Elliotts continued to honor the University by establishing academic scholarships to assist worthy students studying technology.

Dr. Elliott taught graphics and electricity in the industrial arts department along with graduate school classes.

He was a true gentleman in the finest sense and most deserving of this honor. He left many friends and colleagues, and affected the lives of many young persons during his tenure as a professor.

TECHNOLOGY NEWS

New prefix for growing program: Career and Occupational Studies

The OED (Occupational Education) prefix for the Career Occupations program has been changed to COS (Career and Occupational Studies). This is but one of the several changes that have occurred this year.

Career Occupations Studies is an adult degree program with concentrations in Training and Development, and Supervision and Leadership. The growth in the program has been phenomenal during the past several years and the potential for additional expansion is excellent.

The enrollment this year grew by nearly thirty percent with total majors now at 155. Career Occupations courses were delivered to five different sites, Charleston, Rantoul, Champaign, Danville, and Decatur, during the 1991-92 academic year.

Recruitment Committee Activities

The School of Technology's Recruitment Committee has been quite active this past academic year. Three faculty members,

Don Armel, Louis Butler, and Larry Helsel, presented a "Careers in Industry" workshop to secondary school students in nearby Mattoon, Illinois. The Coles County Cooperative Extension Service sponsored the workshop which included a working robot, an Apple computer, photographic slides, and a video.

A luncheon was sponsored for secondary school counselors to present the School's academic programs. Twenty-four counselors attended the event. The School prepared an exhibit for the Coles County Business Expo that included a colorful display, slides, and descriptive brochures.

Open House events through the University's Admissions Office offer opportunities for students to tour campus buildings during the day. During the fall semester, eighteen groups toured Klehm Hall to observe classes in session. Elementary science students in Humboldt and Mattoon observed School presentations on technology and science.

Display materials have been presented at the Business Expo, National Association of Industrial Technology's annual conference, Women's and Teen Expo, state Vocational Industrial Clubs of America Skill Contest, and Engineer's Week.

Summer 1991 academic schedule

ON-CAMPUS

INT 1043-001, Engineering Graphics, Bill Watson, 1:30 to 3:35 p.m., Monday through Thursday, eight week session, 3 semester hours credit.

INT 3920, Independent Study, Larry Helsel, eight week session, 1-3 semester hours credit.

INT 4275, Industrial Internship, Larry Helsel, eight week session, 1-10 semester hours credit.

INT 4980-021, Computer Controlled Machining, Mori Toosi, June 14-15, 21-22, and 28-29.

INT 5503, Industrial Internship, Gene Strandberg, eight week session, 1-5 semester hours credit.

OED 4810-001, Principles of Career Development, Joyce Felstehausen, June 14 and 22, July 5-6, 29-30, 3 semester hours credit.

OED 4830-001, Occupational Perspectives, Tom Boldrey, June 15, 28-29, July 13, 27, 3 semester hours credit.

TED 3123-001, Communication Photogra-

phy, Deborah Ann Woodley, 7:00-9:30 p.m., Tuesday-Thursday, 3 semester hours credit.

TED 4470, Independent Study, Larry Helsel, eight week session, 1-3 semester hours credit.

TED 5990, Independent Study, Larry Helsel, eight week session, 1-3 semester hours credit.

CHANUTE AIR FORCE BASE

INT 4943-115, Manufacturing Management, Mahyar Izadi, July 19-20, 26-27, and August 2-3, 3 semester hours credit.

INT 5970-121, International Competition in Manufacturing and Education, Tom Waskom, July 1-31 on MWF (excepting July 19 and 26), 3 semester hours credit.

TED 5163-115, Contemporary Problems in Technology, Gene Strandberg, 7:00-9:30 p.m., Tuesday/Thursday, eight week session, 3 semester hours credit.

NOTE: Weekend classes meet 6:00-10:00 p.m. on Fridays and 8:00 a.m.-6:00 p.m. on Saturdays.

Internship sites provide realism to education

The School of Technology's internship program has been very successful in providing students with rewarding learning experiences in the various industries that participate in the program. Employers have been very satisfied with the performance and contributions that students have shown to the internship positions.

The purpose of the internship program is to offer students an opportunity to work and study in academically structured learning environments that relate to their personal interests and professional preparation. These internships provide one of the more valuable experiences that students may encounter while pursuing a baccalaureate degree.

Following graduation, many of the students have been employed by the company hosting their internship. In several instances, industrial technology graduates have received better positions and higher starting salaries as a result of having completed their internships. The program is growing since more industries are becoming aware of the program and its benefits to both students and host companies.

Blaw-Knox Construction Equipment Company, Mattoon:

David Rudis, Engineering and Design
Scott Jordan, Industrial Engineering
Steve Aper, Industrial Engineering
Jeff Norris, Engineering and CAD
General Electric Company, Mattoon:
Jeff Norris, Engineering and CAD
Darrell Vanstrien, Manufacturing
Vesuvius USA, Charleston:

Daren Fahy, Production and Industrial Sales Training
(Full-time employment after graduation in sales)

Jared Goodman, Production and Quality Assurance

Trailmobile Incorporated, Charleston:
Jeff Rardin, Industrial Safety/EPA and OSHA Regulations

David James, Engineering
McDonnell-Douglas, St. Louis:
Danny Carlson, Production Planner
Dawn Kuhl, Electrical Engineering and CAD

Caradco Corporation, Rantoul:
Paul Niewinski, Engineering and Special Problems

David Rudis, Engineering and Special Problems

Henkel Corporation, Kankakee:
Eric Jensen, Quality Control
Lawrence A. Lipe and Associates, Benton:

Michael Durham, Civil Engineering, Surveying, and Drafting

Pepsi Cola General Bottlers, Incorporated, Munster, IN:

David Connolly, SPC and Quality Control

Hillsboro Glass Company, Hillsboro:
Gary Mueller, Engineering, Production, Quality Control

INTERNSHIP COORDINATOR

Tom Waskom, Technology faculty member, is the internship coordinator responsible for undergraduate study in this area.

STUDENT ORGANIZATIONS

Student Chapter of NAIT grows, receives recognition

The Student Chapter of the National Association of Industrial Technology has been in existence for the past two years. The chapter has had excellent growth and campus recognition, and students from the chapter have attended the national conference both years.

Six students attended the national conference in Dearborn, Michigan and competed in the Industrial Technology/Intelligence Quotient contest, with four of these students finishing as the top winners in the contest. Chris Ginder, first place, received a Zenith personal computer and the next three place winners, Jeanne Weber, Keith Korte, and Rob Proske, won NAIT watches.

The chapter has a strong commitment to the School of Technology and community service, and sponsors a variety of local activities to benefit the entire community. These activities range from car washes to food drives for the needy. Members and faculty also enjoy and benefit from industrial tours that are arranged by the field trip committee. Chapter members have toured the Blaw-Knox,

AmPad, Bonanza Prefabricated Buildings, and TrailMobile companies. Trips are also planned for Caterpillar and McDonnell-Douglas later in the year.

The NAIT student chapter and the Society of Manufacturing Engineers often combine meetings and invite guest speakers, view informational videos, and plan other joint projects. One of these special projects was a joint effort in organizing and publishing an annual resume booklet which is sent to prospective employers. An annual spring outing for students, faculty, former students, and employers is sponsored by both chapters.

The officers of the NAIT Student Chapter are:

AMY FRANK. The president of the student chapter of the National Association of Industrial Technology at Eastern Illinois University is Amy Frank, a construction concentration student from Plainview, Illinois. Amy is a graduate of Carlinville High School and is scheduled to graduate this year with a baccalaureate degree.

Amy is a member of Epsilon Pi Tau, the Society of Manufacturing Engineers, and is on the

Pemberton Hall Council, a university group on campus. Amy plans to enter the construction industry after graduation.

DAVID M. KENIK. This year's vice president is David M. Kenik, also a construction concentration student. David is from Schaumburg, Illinois, and a graduate of James B. Conant High School.

David is a photographer and writer for the University's yearbook, newspaper, and Heartland, a University-sponsored publication. He is a member of the Sigma Chi Fraternity. After graduation, David plans to move to Australia and work toward building underdeveloped areas in that distant country.

JEANNE WEBER. The organization's secretary is Jeanne Weber of Orland Park, Illinois, another construction concentration student. Jeanne graduated from the Mother McAuley High School before entering Eastern Illinois University.

In addition to her secretary duties, Jeanne is the fund raising chair for the student chapter of the NAIT.

KEITH KORTE. The treasurer of the chapter is Keith Korte, an electronics concen-



National Association of Industrial Technology officers. (l-r) Amy Frank, Keith Korte, Jeanne Weber, David M. Kenik.

tration student from Dami-ansville, Illinois. Keith graduated from the Mater Dei High School.

Keith is a member of Epsilon Pi Tau and plans to work in the St. Louis area after graduation.

FACULTY ADVISORS. The

Student Chapter of the National Association of Industrial Technology has three faculty advisors from the School of Technology: Tom L. Waskom, Ronald I. Sutliff, and John M. Messer.

Grad assistants sign for '91-'92 school year

This is the graduate assistant roster for the coming academic year:

PAUL BEALS, Communication

Laboratory

GEORGE BOYKIN, Mechanical

Laboratory

CRAIG CAMPBELL, Production

Laboratory

CHARLES DANIELS, Energy Labora-

tory

AMY FRANK, Graphics Laboratory

BILL PAVLICK, CIM Laboratory

SOLOMON TOWOUH,

Energy/Mechanical Laboratories

SME awards scholarships to Chvatal, Bonn

The student chapter of the Society of Manufacturing Engineers has been awarded third place in Region IV competition for scholarships. The chapter has received a check from the region office for \$400.00 to be awarded upon completion of enrollment for the fall semester.

A committee of graduating senior members was appointed to establish guidelines for awarding the scholarship to a member in good standing. The committee decided to honor two students, **JAMES CHVATAL** of Woodridge, and **ERIC BONN** of East Peoria, as co-winners of the scholarship.

SME participates in activities, exchange ideas

The Society of Manufacturing Engineering is a professional society with over 80,000 members in 70 countries and more than 525 active chapters including over 170 student chapters. The SME assesses the trends and developments in manufacturing—then interprets, publishes, and disseminates that information to its members. The SME also provides a common ground for professionals in manufacturing and related fields to share ideas, information, and accomplishments.

Student SME members participate in Student Chapter/Unit activities and meet with other students and professionals to learn about new ideas and exchange information. These educational programs help student members keep on the cutting edge of new manufacturing technology.

The officers of the University's SME Student Chapter are:

KENNETH BLATNIK. Ken is an industrial technology major with a concentration in manufacturing. He is a graduate of the Garfield Heights High School.

Ken has served as the chapter chair for the SME and plans to enter the manufacturing industry after graduation from the university.

JAMES CHVATAL. James is an industrial technology major with a concentration in manufacturing who currently serves as First Vice-Chair of the SME group. His home town is Woodridge, Illinois, and he is a graduate of Downers Grove North High School.

James is a member of Epsilon Pi Tau, the University Board's Concert Committee, participates in intramural basketball, softball, walleyball, and confirmation classes. James plans to return to the ChicagoLand area for employment.



Society of Manufacturing Engineers officers. Front: Kenneth Blatnik; Rear: Jeffery T. Norris, Darren Korneman, and James Chvatal.

DARREN KORNEMAN. Darren is the Second Vice-Chair with a major in industrial technology and a manufacturing concentration. His home town is Clinton, Illinois, and he is a graduate of that town's high school.

Darren participated in intramural football and basketball during his years at Eastern Illinois University. He plans to enter industry upon graduation from the University.

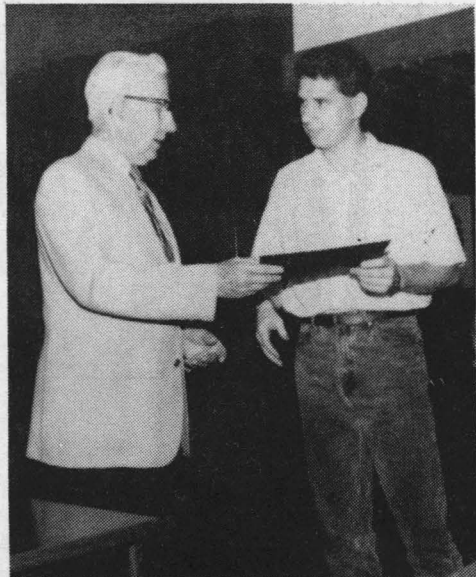
CHARLES FRANZEN. Charles serves as the Secretary of the SME group, and he also is an industrial technology major with a manufacturing concentration. Charles' home town is Bloomingdale, Illinois, and he is a graduate of Lake Park High School, Roselle, Illinois.

Charles plans to gain employment as a manufacturing engineer after graduation from the University.

JEFFREY T. NORRIS. Jeffrey is the SME group's Treasurer with an industrial technology major and a manufacturing concentration. He is a graduate of Rount High School and his home is in Waverly, Illinois.

Jeffrey belongs to the Knights of Columbus and participated in intramural sports while at the University. He plans to pursue a career in the manufacturing field after leaving the University.

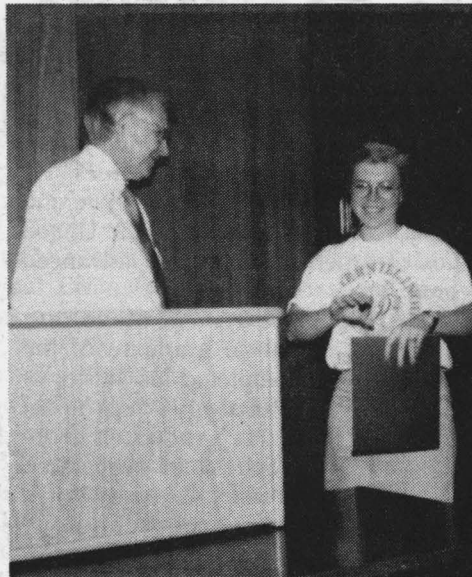
FACULTY ADVISOR. Wayne D. Coleman is the faculty advisor for the Society of Manufacturing Engineers Chapter.



Walter Klehm presented the Walter A. Klehm Industrial Technology Award to Gary D. Mueller



The Stevens Industries Scholarship was presented to Gregory A. Will by Jeffrey Baker, Director of Human Resources at Stevens Industries.



Amy R. Frank was the recipient of the Alumni Scholarship Award presented by Howard F. Nelms, professor, and also an alumni of the University.



The recipient of the Roy E. Ehrsam award was Mike A. Pavlick. Dean Barbara Hill was the award presenter.

Award winners

Six receive honors for scholastic achievement

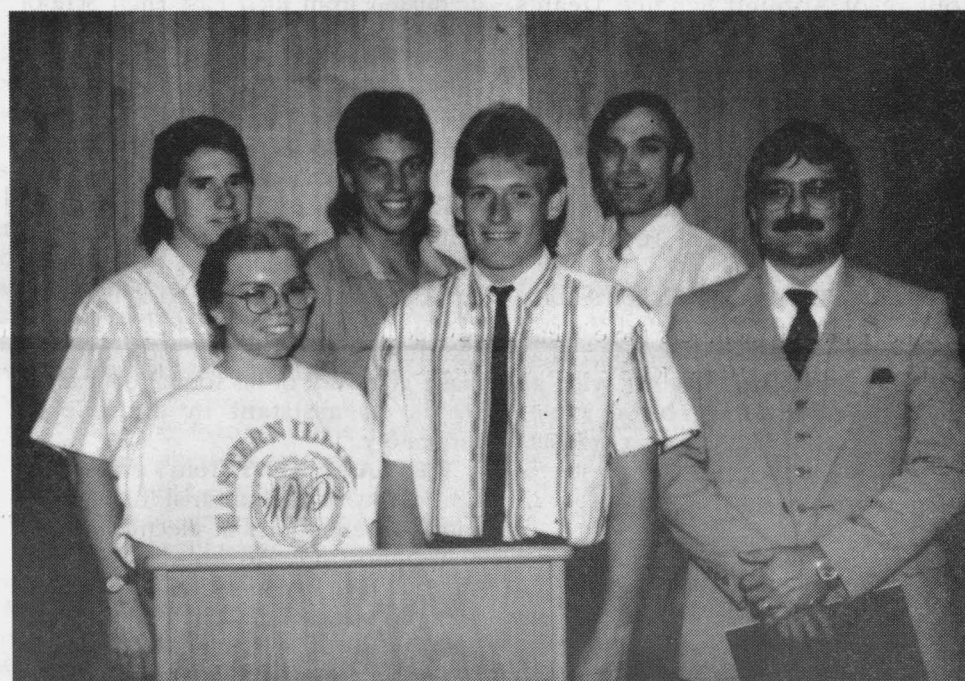
Six outstanding technology students received recognition for their scholastic achievements in the Scholarship and Awards ceremony held last April. These persons were honored for their accomplishments in University classes in general and technology classes in specific:

ALUMNI SCHOLARSHIP. The recipient of this award was Amy Frank, an industrial technology major from Plainview, Illinois. Amy will be a graduate assistant with the School of Technology next year and will be assigned to the Graphics Laboratory. The award was established by donations from technology graduates.

ELLIOTT INDUSTRIAL ARTS/TECHNOLOGY EDUCATION AWARD. This award was made possible to the University by Lois and Charles Elliott. This year's recipient was Kip A. Johnson, a technology education teacher at Deterich High School. Kip is completing his Master of Science in Technology degree studies.

ROY E. EHRSAM SCHOLARSHIP. Mike A. Pavlick received this award which was established by Mr. Ehrsam's family. Mike is an industrial technology major with a concentration in manufacturing and a minor in business administration. His home is in Roselle, Illinois, and he transferred from Harper College to Eastern.

LUCILLE A. KLEHM TECHNOLOGY EDUCATION AWARD. This year's recipient was John H. Fremault from South



Scholarship and Award Winners.

Left to right: Gary Mueller, Amy Frank, Mike Pavlick, Greg Will, John Fremault, Kip Johnson

Holland, Illinois. John plans to teach after graduation from Eastern and later move into a state director level position. John transferred from Logan College to the technology program.

WALTER A. KLEHM INDUSTRIAL TECHNOLOGY AWARD. Gary D. Mueller was selected for the award this year. Gary's home is in Hillsboro, Illinois and he transferred from Lincoln Land College

in Springfield. He has a manufacturing concentration with a mathematics minor.

STEVENS INDUSTRIES SCHOLARSHIP. This award went to Gregory A. Will of Montrose, Illinois. Greg transferred from Lake Land College and is studying in the manufacturing technology concentration. He plans to earn a Master of Science degree, then enter industry.



Lucille Klehm presented the Lucille A. Klehm Technology Education Award to John H. Fremault.



Kip A. Johnson was presented the Elliott Industrial Arts/Technology Education Award by Lois Elliott.

Korte receives John Henry Award

Keith Korte, a graduating senior from the School of Technology, was named the John Henry Award recipient by the Central Illinois Section of the American Society for Quality Control. The award is given to an outstanding student of the quality sciences who demonstrates an active interest in pursuing a career in this area.

The John Henry Award honors Professor Emeritus John Henry of the University of

Illinois who was instrumental in the formation of the Central Illinois Section of the American Society for Quality Control. The Central Illinois section was formed before the national organization.

Mr. Korte will earn his baccalaureate degree this spring with a concentration in electronics. He has been named to the Dean's List since declaring an industrial technology major and has maintained an excellent grade point average over

his college and University career. He is the treasurer of the student chapter of the National Association of Industrial Technology and represented the University as a team member for the technology competition at the national conference in 1990.

Mr. Korte was also named the recipient of the Roy D. Ehrsam Award in 1990. The Ehrsam Award is conferred upon an outstanding student in technology each year.

Don Armel chosen for computer committee

This committee is structured to have a representative from each University College plus members from other areas of the University. Members of the Computer Resource Faculty act as the liaison between Academic Computing and the general faculty and staff. The School of Technology's representative is Don Armel.

Mr. Armel's activities have ranged from attending workshops, helping College of Applied Sciences faculty solve computer hardware and software problems, communicating with College faculty, researching faculty needs in the computer area, graphic designing, and similar projects.

1990-91 graduate assistants

GEORGE A. BOYKIN. George is a fall 1990 graduate of Eastern Illinois University's industrial technology program with a concentration in electronics. He graduated from Chicago Vocational High School in 1985 and entered the University that fall on a football scholarship. George played linebacker on the team for four years and was special teams captain for those years. He presently works with the team as an assistant strength coach.

George is a member of the Omega Psi Phi fraternity on campus and plans to continue working with young people. Part of his responsibilities will be to monitor the Mechanical Laboratory and work with undergraduate students in the open laboratories.

CRAIG T. CAMPBELL. Craig earned his baccalaureate degree from the University in the fall of 1990 as a technology education major with concentrations in communication and production. He is a native Hoosier, having graduated from Delta High School, Eaton, Indiana in 1985.

Craig has been a member of the College of Applied Science Dean's Council and a student member of the School of Technology's Curriculum Committee. He was a four-year member of the University's wrestling team and captain for the last four years. Craig plans to enter the teaching profession and to coach wrestling after earning a Master of Science in Technology degree.

SHARON T. CARTER. Sharon's home town is LaGrange, Illinois, and she is a graduate of the Lyons Township High School. She majored in Art with an option in Graphic Design before joining the School of Technology as a graduate assistant. Sharon earned her Master of Science in Technology degree in December, 1990.

Sharon has returned to LaGrange and will obtain a position with a design or advertising firm. Sharon was an assistant in the Communication Laboratory.

TONY Y. CHEN. Tony is a native Taiwanese who graduated from the Kaohsiung High School, Taiwan in 1978. He earned a baccalaureate degree from the Kaohsiung Normal University in 1983 and then taught in Taiwan until coming to the University

in the fall of 1990.

Tony is an assistant in the Mechanical Laboratory and plans to continue teaching after earning graduate degrees. He has an interest in computer science and plans to continue studying in the United States of America for another advanced degree.

STEPHEN R. COADY. Steve is a technology education graduate of the University who completed his Master of Science in Technology degree in December 1990. He graduated from Taylorville High School in 1985, then entered the University to study for a baccalaureate degree in technology education with concentrations in communication and production.

Steve is a member of the Technology Education Club, Epsilon Pi Tau, Society of Manufacturing Engineers, and a three-year member of the School of Applied Science Dean's Council. He plans to work in industry for several years, then return to university study to earn a doctorate prior to entering university teaching.

CHARLES L. DANIELS JR. Charles graduated from Rich East High School in 1985 and completed his baccalaureate degree in Industrial Technology with a concentration in electronics at Eastern Illinois University in 1990. His home is in Park Forest, Illinois.

Charles is a member of the Society of Manufacturing Engineers and the student chapter of the National Association of Industrial Technology. He has also participated in intramural basketball and football while in undergraduate school. Charles plans to enter industry and make good use of his formal education. He is an assistant in the Energy Laboratory.

THOMAS J. KENT. Tom's undergraduate degree is in Industrial Technology with concentrations in electronics and manufacturing. He entered Eastern Illinois University in 1986 after graduating from Marist High School in Chicago. Tom's home is in Schaumburg, Illinois. He is an assistant in the Graphics Laboratory.

Tom has participated in intramural basketball and hockey, and is an alumni of the Sigma Tau Gamma fraternity. Tom plans to enter industry in a manufacturing position that relates to new



The 1990-1991 graduate assistants. Sitting (l-r) Rich Madday, Chris Stanton, Sharon Carter, Craig Campbell. Standing (l-r) Charlie Daniels, Bill Pavlick, George Boykin, Tom Kent, Steve Coady, Steve Wieland and Paul Niewinski.

product development and new manufacturing procedures.

RICHARD MADAY. Rich graduated from the University in 1990 with a major in industrial technology and a concentration in electronics. His graduate option is Technology with an emphasis in manufacturing. Rich graduated from Nazareth Academy and his home town is Countryside, Illinois.

Rich is a member of Epsilon Pi Tau and the University's Graduate Student Council. He plans to enter industry in preventative maintenance at a manufacturing facility.

Paul C. Niewinski. Paul graduated from Morris Community High School in 1985 then studied at Joliet Junior College before coming to the University in 1987. He earned a baccalaureate degree with a major in industrial technology with a concentration in electronics in 1990.

Paul is a member of Epsilon Pi Tau. He plans to enter industry on an engineering production staff in manufacturing.

WILLIAM H. PAVLICK III. Bill graduated from J. B. Conant High School and his home town is Roselle, Illinois. He earned a baccalaureate degree from the University in the fall of 1990 with a manufacturing concentration and is studying for a Master of Science in Technology degree with an option in Technology.

Bill is a member of the Society of Manufacturing Engineers, National

Association of Industrial Technology, and Epsilon Pi Tau. He plans to settle in the Illinois-Wisconsin area and work with a small plastics manufacturing company while continuing his avocation of boat building and racing.

CHRISTOPHER STANTON. Chris graduated from the Schaumburg, Illinois, High School in 1985 before entering the University as a Technology Education major with concentrations in communication and manufacturing. His graduate option is Technology with an emphasis in manufacturing.

Chris is a member of the Society of Manufacturing Engineers, Epsilon Pi Tau, the College of Applied Science Curriculum Committee, and the College of Applied Science Dean's Council. He was the Ice Hockey Club president and also participated in intramural sport at the University. He plans to begin in industry, then to enter teaching at the community college level and coach baseball, ice hockey, or soccer.

STEVEN J. WIELAND. Steve graduated from Alleman High School in Rock Island, Illinois in 1985 and earned his baccalaureate degree from the University in 1990. His undergraduate major was in Art with an option in Graphic Design.

Steve has completed design projects for the School of Technology and the College of Applied Sciences while in graduate school. He plans to enter an in-house publishing position as an art director or computer designer.

Technology graduate program news

During the calendar year 1990, twenty-five persons received Master of Science in Technology degrees from the University. Twenty-two of the recipients completed their degree requirements with the Technology option; the remaining three chose Technology Education. There were four spring 1991 graduates and an anticipated ten for the summer 1991 term.

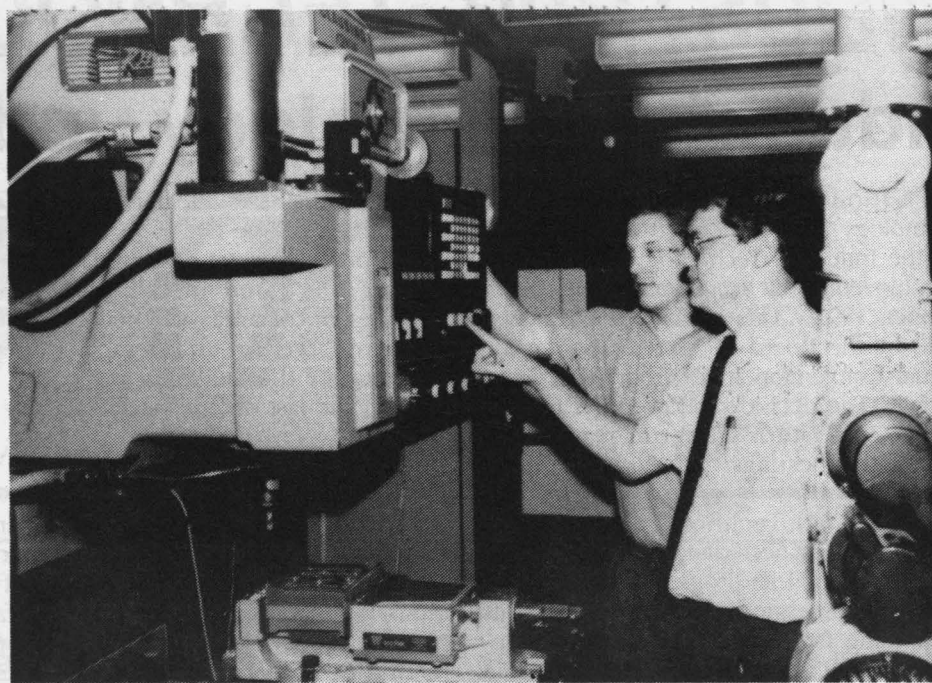
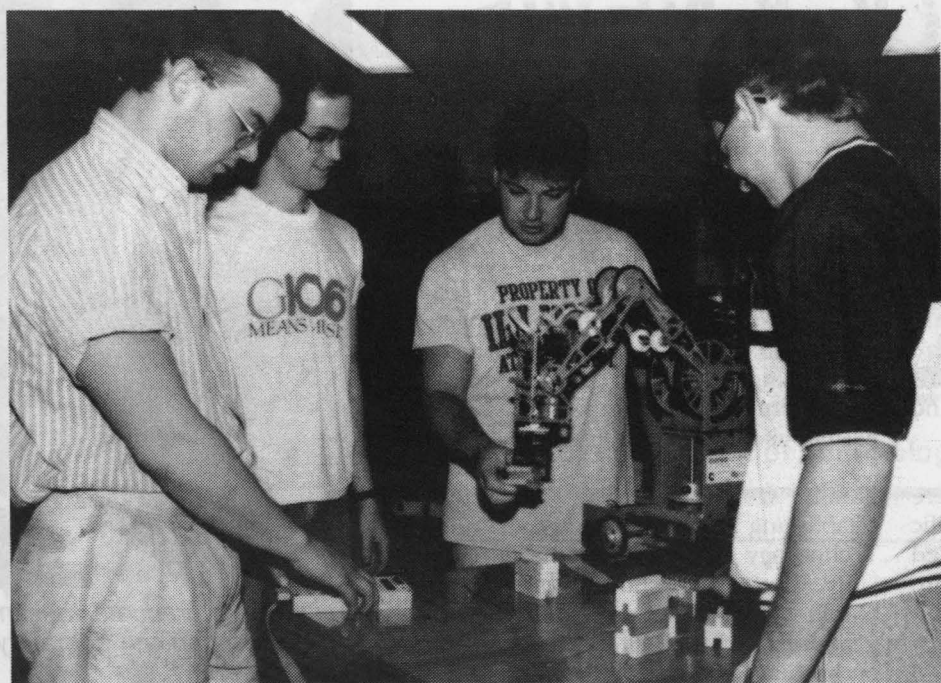
At present, there are fifty-six active degree candidates and thirty-nine of those persons are enrolled in graduate classes this spring 1991 semester. The majority of these candidates have selected the Technology option which is oriented toward manufacturing technology with the recent inclusion of three new courses in industrial technology: Advanced Manufacturing Management, Advanced Computer Integrated Manufacturing, and Industrial Systems Simulation.

Graduate classes in technology have been taught in off-campus sites at Springfield, Danville, Decatur, Champaign, and Rantoul. The graduate program has been well-represented with international students from the People's Republic of China, Taiwan, Malaysia, India, Argentina, Honduras, and Nigeria.

Fall 1990, Spring 1991 Technology graduates

Barbara L. Bennett, Career Occupations
George A. Boykin, Industrial Technology
Steven Lamar Butt, Career Occupations
Craig T. Campbell, Technology Education
Charles L. Daniels, Jr., Industrial Technology
William Bryan Downing, Industrial Technology
Timothy A. Gorczyca, Technology Education
Joan Elaine Hargett, Career Occupations
David Lynn James, Industrial Technology
Scott William Jordan, Industrial Technology
Dawn Marie Kuhl, Industrial Technology
Gene Alan Mann, Career Occupations
Michael J. Montford, Industrial Technology
Carlton W. Owens, Career Occupations
William Pavlick III, Industrial Technology
Theresa Mary Quinn, Career Occupations
Ivory Lee Swain, Career Occupations
Spring 1991
Ronald D. Burns, Career Occupations
Dana Lynn Clary, Career Occupations
Jeffrey Dale Decker, Industrial Technology
William Bryan Dillon, Industrial Technology
Linda Mary Drake, Career Occupations
John Roy Elder, Industrial Technology
Amy Renee Frank, Industrial Technology
Charles E. Franzen, Industrial Technology

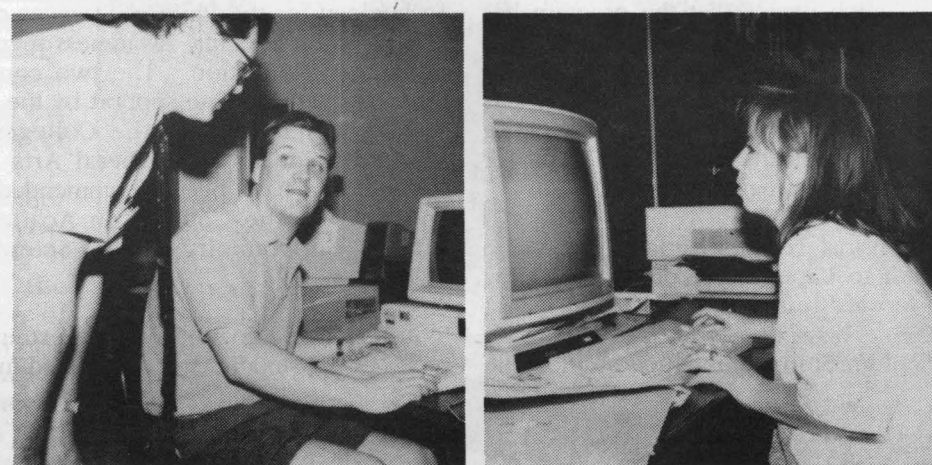
John David Fritz, Industrial Technology
Jared Joseph Goodman, Industrial Technology
Anthony P. Grybauskas, Industrial Technology
Alan Edward Ifft, Industrial Technology
Darren R. Korneman, Industrial Technology
Terry Earl Lange, Industrial Technology
George M. Mankos, Industrial Technology
Jon Frank Mankos, Industrial Technology
Jeff Lyn Marrs, Industrial Technology
Katherine J. Murphy, Career Occupations
Jeffrey T. Norris, Industrial Technology
Eugene Monroe Owen, Career Occupations
Janet Lea Payne, Career Occupations
Jeffrey Ray Rardin, Industrial Technology
James M. Ronchetto, Career Occupations
Charles H. Russell, Jr., Career Occupations
Connie L. Schuffert, Career Occupations
Eli R. Sidwell III, Industrial Technology
Gayle E. Spreitler, Industrial Technology
Timothy H. Starkey, Career Occupations
Polli Ann Stripp, Career Occupations
Janet Kay Terry, Career Occupations
Phillip W. Turner, Career Occupations
Robert Paul Valencic, Industrial Technology
Bradford Lee Wheeler, Career Occupations
Kenneth Lee Wickham, Industrial Technology



HIGH TECH LABS

New equipment purchased for technology laboratories

During this year, the School of Technology has invested heavily in equipment to support the Industrial Technology and Technology Education programs. The priority of distribution was given to those laboratories needing to up-date their equipment in order to provide both adequate education for the students and facilitate the research activities of the faculty.



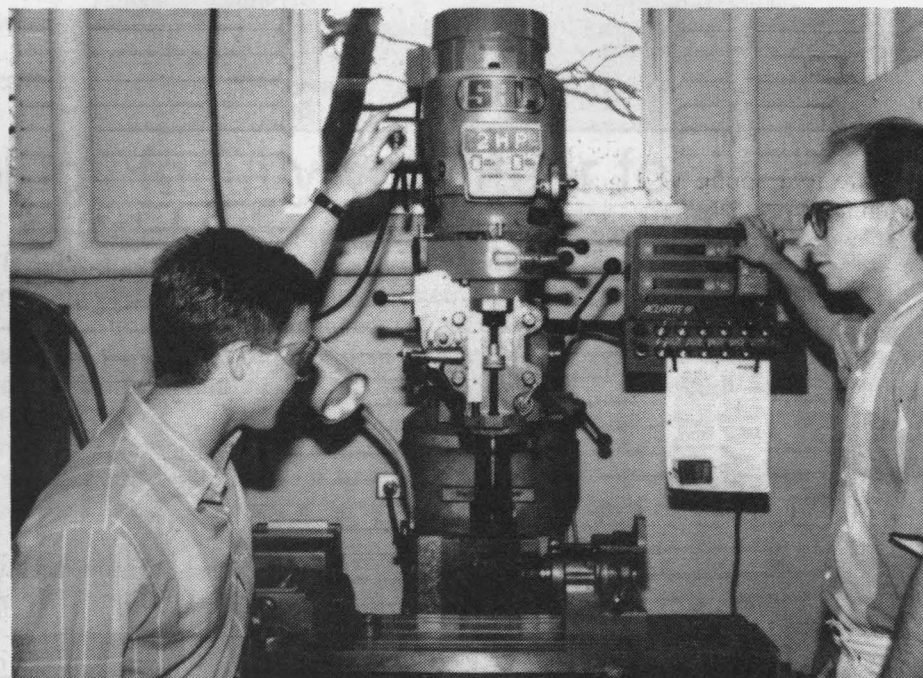
A computerized coordinate measuring machine was purchased for the Materials Testing Laboratory. The machine (MicroVal) is a complete personal coordinate measuring system manufactured by Brown & Sharpe. The major benefit of the machine is its ease of use and capabilities of utilizing single or multiple (5) probe tips for complicated measurements.

An Allen-Bradley radio frequency system for automatic identification of parts was purchased for the Computer Integrated Manufacturing Laboratory. This system will be integrated with the cell manufacturing system to control the CNC mill, robot, and conveyer systems.

The School of Technology constantly up-dates the equipment in the Production Lab. This year, a radial drill set with a three horsepower spindle motor capable of selecting twelve spindle speeds between 63-2900 rpm was installed in the laboratory.

Additional equipment included a desoldering unit and computers for the Energy Laboratory. An Agfa Rapid Access Processor and two personal computers were purchased for the Communication Laboratory's desk top publishing system.

Both Eastern Illinois University and the School of Technology have made a major commitment to teaching excellence. Providing new and up-dated equipment for classrooms and laboratories and supporting faculty-students joint activities are evidence of this commitment.



INDUSTRIAL TECHNOLOGY NEWS

Industrial Technology update

The National Association of Industrial Technology (NAIT) notified the university that the Industrial Technology Program has been moved to full accreditation status as of October, 1991. This recommendation was made by the Board of Accreditation at the Annual Convention in Dearborn, Michigan last fall. The decision followed the Board's review of Eastern's interim report and accreditation hearings.

The Industrial Technology program at Eastern was first accredited by NAIT in 1983 and has retained its program approval ever since. The program was commended for its outstanding facilities and institutional support. Accreditation is extremely important to the faculty of the School and its students. Accreditation means that the program has met quality standards established by a recognized accrediting agency. The National Association of Industrial Technology has been endorsed by the United States Office of Education as the accrediting body for Industrial Technology programs.

The Industrial Technology faculty continue to work to improve the program as they look forward to the next accreditation visit in 1993. This spring Industrial Technology Curriculum Study Committee studied the

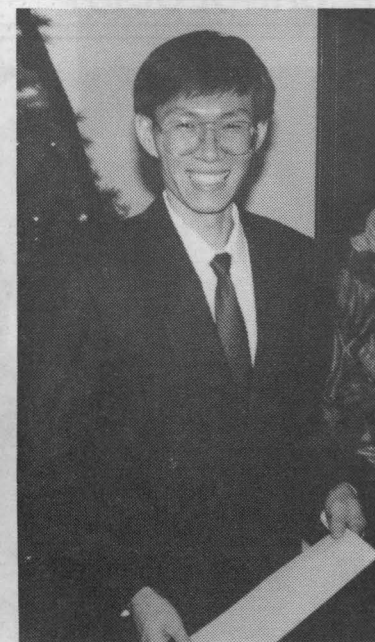
impact of the new integrated general education core on the major. Several changes in the program were proposed that will be further discussed in the fall of 1991. Changes in all areas of the program are being reviewed in an attempt to prepare students for the challenges that will face them in the last decade of this century and beyond.

Two new interdisciplinary courses were developed this year as part of the Scientific Awareness segment of the new integrated general education core. Faculty from Industrial Technology in concert with faculty from the Geology and Physics departments jointly proposed INT/PHY 2200 Materials Science and GEL/INT Science and Technology for the Physical Sciences component of the Scientific Awareness segment of General Education. The two courses received overwhelming support by the curriculum committees in the Colleges of Applied Sciences and Liberal Arts and Sciences and have been recommended for approval by the Council on Academic Affairs Subcommittee on Scientific Awareness.

Industrial Technology faculty are extremely proud of the students who competed in the

NAIT ITIQ contest in Dearborn. Eastern placed four students in the finals and the winner was our own Chris Ginder. We are as equally proud of the members of the student Society of Manufacturing Engineers for their efforts in being recognized as on the outstanding chapters in the Midwest region. A student scholarship was awarded to Eastern as a result of their efforts.

Finally, we thank Stevens Industries for establishing the Stevens Industries Industrial Technology Scholarship at Eastern Illinois University. The Scholarship will mean a tuition waiver for fall semester for an undergraduate industrial technology student enrolled at Eastern.



Tony Chen, graduate assistant in the mechanical laboratory, from Taiwan.

SCHOOL OF TECHNOLOGY ALUMS:

Please let us know where you are and what you are doing. We'd like to include news about you in our next newsletter. Drop a letter with this information to:

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