

January/February 2002

MSU Today

The Journal of Morehead State University, Vol. 4 No. 2

Focus Edition

Research and Creative Productions



**The computer is more than
a piece of furniture! p.4**

Improving Kentucky's quality of life

BY RONALD G. EAGLIN



With Governor Paul Patton's initiative to improve higher education has come the mandate to also improve the quality of life for residents of Kentucky.

At Morehead State University, we are proud of the efforts of our distinguished faculty who are taking the lead in this mandate by investigating a variety of ways to make a lasting impact on the well being of our citizenry. Whether it is studying ways to control air pollution, developing new markets for our farmers, or improving instruction and career training through technological innovation, MSU is working diligently to move Kentuckians forward in the quest for excellence and a better standard of living. In the pages of this annual tribute to research and creative productions at Morehead State, we bring you a snapshot of the many strides being made daily by our faculty to ensure that Governor Patton's vision for a greater Kentucky becomes a reality.

A handwritten signature in dark ink that reads "Ronald G. Eaglin".

Ronald G. Eaglin

Dr. Ronald G. Eaglin has served since July 1, 1992, as the 12th president of Morehead State University.

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Dr. Marshall Chapman has a love of old things, especially volcanoes.

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Distinguished researcher combines old-world work ethic with high energy.



Photo by Tim Holbrook, Cover design by Trevor Griffith

On the cover:

Dr. Elizabeth Regan, co-director of the PT3 grant project, is helping MSU lead the way in the infusion of technology into the classroom. With a \$2.8 million federal grant, MSU is forging ahead to make the curriculum technologically savvy.



Photo by Tim Holbrook

On the back:

Distinguished research Dr. Daniel Fasko, professor of education, is a thinker in his own right. He serves as editor of *Inquiry: Critical Thinking Across the Disciplines*, a refereed journal dealing with a broad range of critical thinking issues in education.

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From novelty to essential classroom tools

Technology infusion project seeks to change the way educators teach

By Liz Mandrell



Dr. Michael Moore, provost and executive vice president, is director of the PT3 project. Dr. Elizabeth Regan, chair of the Department of Information Systems, and Dr. Dan Branham, dean of the College of Education, are project co-directors.

In the classrooms of the past, teachers were not only responsible for knowing the three R's of reading, 'riting and 'rithmetic, they were often asked to bring in a scuttle of coal and stoke up the potbelly stove before class every morning. The teachers of the present and the future also have the same responsibilities to maintain high academic standards in the basic areas of math, science, reading and writing, but instead of building a fire, they are lighting the minds of the future with technology. In increasing numbers, teachers are asked to integrate technology into their curriculums, to access information and research via the Internet, and to incorporate multimedia into their teaching strategies. As the sun rises on the dawn of the 21st century, teachers who remain behind the wooden desk of yesteryear, instead of embracing the technology of tomorrow, are apt to be left behind.

A campaign to keep Morehead State University professors and future graduates at the forefront of technology innovation comes via a grant to transform teacher preparation by infusing technology throughout the curriculum. In 1999, MSU President Dr. Ronald Eaglin declared teacher education reform as his first priority. After a

\$140,000 Capacity Building grant was awarded by the U.S. Department of Education, preparation was made to launch an additional effort to garner a larger \$1.4 million grant to use in the implementation phase of the technology initiative.

"Partnership was one of the keys to getting this grant," said Dr. Elizabeth Regan, co-project director and co-author of the grant. Five regional school districts, the College of Education & Behavioral Sciences as well as the College of Business created the necessary consortium to match federal funds for a total of \$2.8 million to be used over a three-year period. Three corporations — Kentucky Educational Development Corporation, Ventana East Corporation of New Jersey, and Teacher Education Institute (TEI) of Florida — are also consortium members. Ventana markets the Group Support System software, and TEI, a for-profit educational institution, is providing innovative online courses in technology integration for faculty, student teachers, and partnering superintendents and principals.

"In order to lead our institution in the enhancement of teaching and improving learning through technology, I

enrolled in an online course to familiarize myself with what is available for University faculty and K-12 teachers. I am convinced that the proper use of technology will revolutionize our understanding of how students learn. I encourage all of my colleagues in administration to experience the future and lead by example," Dr. Eaglin said.

Technology access no longer the issue

Billions of technology dollars pumped into classrooms lays dormant without the necessary teacher innovation to provide the necessary payoff. When it comes to modern technology information, many teachers see computers as little more than another piece of furniture in the classroom. However, during the next decade, millions of new teachers will be hired to replace retiring teachers. These teachers, newly sprung from technology-rich classrooms on the university level, will be proficient in using technology-based instruction.

"The challenge is no longer getting the technology in the classroom. The challenge now is getting teachers to change the way they teach. We have pockets of exemplary use of technology, but the key component is that all teachers change their instructional behavior," Regan said. Over the next three years, Regan sees the number of technology proficient teachers doubling in Morehead State University's service area. Currently, MSU, in collaboration with TEL, offers EDUC 599, a special class that encourages MSU faculty, current teachers, student teachers, even area principals and superintendents to grasp inventive ways to inject technology into their curriculum. Students receive free textbooks and college credit from this course while faculty members, upon completion of the course, are eligible for release time and grant monies to incorporate the technology learned in EDUC 599 into their classes. Regan predicts that within the three-year period, 75 percent of the MSU faculty will incorporate technology effectively in their content areas as well as providing the necessary modeling of those technology-based instructional strategies.

"Unless students see technology as an important part of their learning, it is very unlikely they will make it an important part of their teaching," Regan said, paraphrasing Tom Carroll, director of the national Preparing Tomorrow's Teachers to Use Technology program, or PT3.

A technology savvy teacher

Another goal of the project is to increase the use of technology by students in the five partnering schools — Carter, Morgan, Elliot, Fleming and Rowan county schools. Regan likens the idea of teachers as information-givers as antiquated as putting a horse and buggy out on a superhighway.

"We are living in a society where so much information is readily available. Technology expands the classroom beyond the textbook, even beyond the physical walls of the school. Education is learner-centered and requires active learning," Regan said. Modern students, who have different expectations than students 30 years ago live in a world ruled by easy access to information through various multimedia outlets such as the Internet, which they have available right in their homes. Education professionals see learning as less than just learning the facts, but more importantly, where to go to get the facts and how to incorporate those facts into a larger scheme of reality once a student finds them.



Dr. Lesia Lennex, associate professor of education, works with Jessica and Jason Sparks, both senior music education majors from Morehead. Dr. Lennex was a co-author of the U.S. Department of Education grant that will be used to infuse technology into MSU's curriculum.

Many at MSU worked to secure PT3 grant

For more information concerning the PT3 grant, visit www.pt3.org and MSU's PT3 website at www.moreheadstate.edu/projects/pt3.

Many months of teamwork and preparation went into applying for the PT3 implementation grant. Members of the Planning Team who helped developed the grant include Ken Bandy, assistant professor of business information systems; Dr. Cathy Barlow, former interim dean of the College of Education; Shirley Blair, director of student teaching; Dr. Rita Egan, former assistant professor of education; Dr. Donna Everett, associate professor of business and marketing education; Dr. Steve Hunt, professor of business information systems; Dr. Donna Kizzier, associate professor of business information systems; Dr. Lesia Lennex, associate professor of education; Julia Lewis, librarian II of Camden-Carroll Library; Dr. Phyllis Oakes, professor of education; and Janet Ratliff, Economic Education program Director.

Dr. Michael Moore, provost and executive vice president is the PT3 project director. Dr. Elizabeth Regan, chair of the Department of Information Systems, and Dr. Dan Branham, dean of the College of Education, are co-directors of the project.

Burton seeks to preserve culture of Appalachian herbal medicine

By Liz Mandrell

After four hours of listening to her son cry from the colic, associate professor of nursing Mattie Burton decided to start listening to her mother's advice.

"When my son was eight months old, he became colicky and was crying. My mother said, 'Get him some catnip.' I knew more than my mother, of course, and tried other methods to calm him down. That episode lasted for about four hours. I finally got the catnip," said Burton. Burton's mother is one of the many who practice the art of wildcrafting in Appalachia.

"I was the oldest of 10 children. We were raised in Olive Hill up a hollow. There was no doctor or sometimes no money to pay a doctor, so my mother treated us naturally.

She learned the art from her mother," Burton said.

Herbalism is an age old practice that many Appalachian women learned from the Cherokee, who used all parts of plants, including roots, leaves, sap and flowers to cure everything from colds and sore throats to gout and hemorrhoids. Family and folk healers have passed down the knowledge and skills required to identify, harvest, and process these plants for centuries, establishing the herbalist as a valued and respected member in each community. Burton's research led her to 12 herbalists in the northeastern part of Kentucky.

"I would stop at flea markets or country stores and just start talking to people. They knew who the herbalists were in their community, and I was able to interview these people in depth." Burton noted that while many are called daily or weekly for prescriptive herbal advice, they have no specific apprentice to whom they are passing on the knowledge.

"We are losing the art of wildcrafting, the ability to identify and gather herbs for healing. For the most part in the past, people gained their knowledge like an apprentice, from grandparents or an older person in the community, but that isn't happening," she said. Because the herbal tradition is also an oral tradition, when the last practitioners of this wild art die out, the art of herbal remedies will be lost.

While Burton's interest in wildcrafting stems from her desire to preserve this family tradition, she also sees the need for healthcare providers to be familiar with herbalism to prevent potential drug interactions.

"Patients tell their doctors about medications they are currently taking, but they fail to tell them that they are also taking herbs. There are several drug interactions that can occur. Much of the data on ginkgo, for example, shows that it interacts with blood thinner," said Burton. She often visits healthcare providers, schools, and community centers to educate and counsel on herbal medicine. According to Burton, professional health givers need a thorough knowledge of the herbs common to a geographic area to assess potential toxic combinations of herbs and prescription medication.

Keeping current with trends in herbal medicine and alternative medicine is also very important for the herb novice or master who might be interested in learning more about wildcrafting. Burton suggests James Duke's *Green Pharmacy* and *Prevention* magazine as starters for literature relating to this therapeutic art.

And what is in Mattie Burton's garden?

"Oh I have some peppermint and catnip, of course, for upset stomach. Sage is also a stomach soother and a nasal decongestant. I have aloe for burns and insect bites, and lemon balm can smooth skin rashes. I also wildcraft a lot of things that I dry like yarrow, corn silk, and raspberry leaf," Burton said.

Mattie Burton

Agriculture professor hopes to dish up goat meat as an alternative income source for KY farmers

By Liz Mandrell

If Dr. Don Applegate has his way, goats will be a main course in Kentucky's livestock future. As president of the Kentucky Dairy and Meat Goat Producers Association and associate professor of veterinary sciences at Morehead State University, Applegate hopes to provide Kentucky farmers with the resources necessary to bolster dairy and meat goat production. Hundreds of Kentucky tobacco farmers who see the writing on the warehouse wall are looking for alternatives to offset lost revenue from tobacco. The decrease in tobacco production will result in an approximate 30 percent loss in income for most Kentucky farm families. One of the fastest growing options among small Kentucky farmers exists in the meat goat industry.

"Of all the new possibilities to replace tobacco, goat production makes the most sense," says Dr. Applegate.

While dairy goat farming has existed in Kentucky for many years, there has been limited success with meat goat production due to a lack of resources such as reliable processing and an effective marketing network. With grants from Morehead State University and the Kentucky Department of Agriculture, Dr. Applegate hopes to establish a collection point for commercial meat goats that would receive, grade, and ship goats to markets further east. Conducting educational seminars on production and marketing of goat meat is also critical for getting the word out about goats to Kentucky farmers as well as offering Internet courses on goat production, processing, and marketing.

Dr. Applegate sees potential in bringing a livestock product that would be compatible with the existing terrain and available acreage. The Kentucky landscape, consisting of pastures and small wooded areas loaded with bushes, briars, small shrubs, and weeds, heartily supports the foraging appetite of the goat. In addition, acreage that can

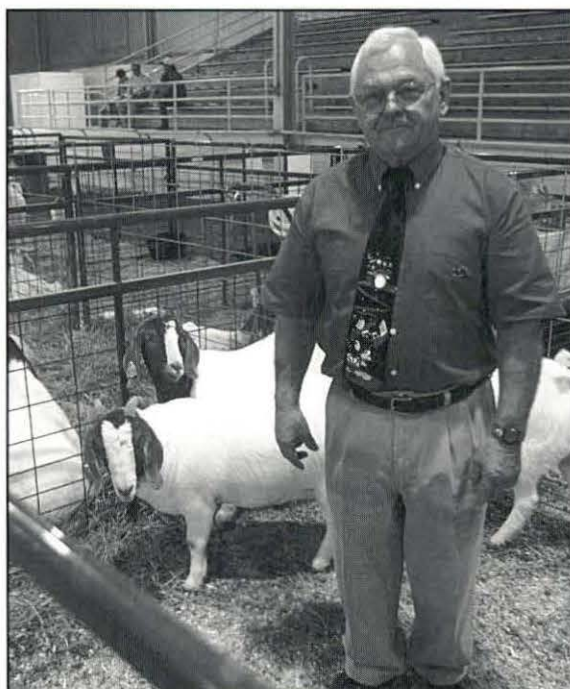
support one cow and a calf will support about seven nanny goats with fourteen kids.

"A farmer can raise goats with cattle because they eat totally different plants; cows eat legumes and grass while goats eat shrubs, woody plants, and briars," says Dr. Applegate. He also notes that the profitability of goat production matches or exceeds that of beef or hog farming. At current prices, beef farmers can expect a loss or at best a break-even price for calf production. Conversely, goat

farmers are showing a profit of roughly \$2 to \$3 per animal. With the recent outbreak of Foot and Mouth disease in South Africa, all importation of Boer goats will cease from that country to the world. Since the Boer goat is the main meat goat in the United States, Australia, and New Zealand, the 30,000 full-blood Boers in the United States will become additionally valuable as breeding stock.

However, Dr. Applegate realizes that the potential for growth of the goat industry in Kentucky is almost totally dependent on developing a sustainable goat meat market. In the past, Kentucky farmers have given attention to other meats such as buffalo and ostrich as an alternative to tobacco produc-

tion, but those meats had no existing market. Currently goat meat enjoys a large market on the East Coast where a rapidly increasing Muslim and Jewish population of over 20 million uses goat meat in many ethnic dishes. Goat is a bland meat that goes in prepared dishes laden with spices, and, even though it is a red meat, it is lower in fat and cholesterol than chicken. Small specialty grocery and food markets along the East Coast slaughter between 30-50 goats a week. Currently a goat slaughter facility is slated to open in Walton, Ky. Shipments of meat goats to the Walton slaughterhouse by the Kentucky Dairy and Meat Goat Producers Association will be marketed in



Dr. Donald Applegate, associate professor of veterinary sciences, has been working to develop regional markets for the Boer goat.

(Continued on pg. 21)

Distinguished Researcher combines high energy level with old-world work ethic

By Liz Mandrell

On his dining room table, Dr. Daniel Fasko, professor of education, writes in longhand on yellow legal pads, stacks of literature surrounding him to use for various projects.

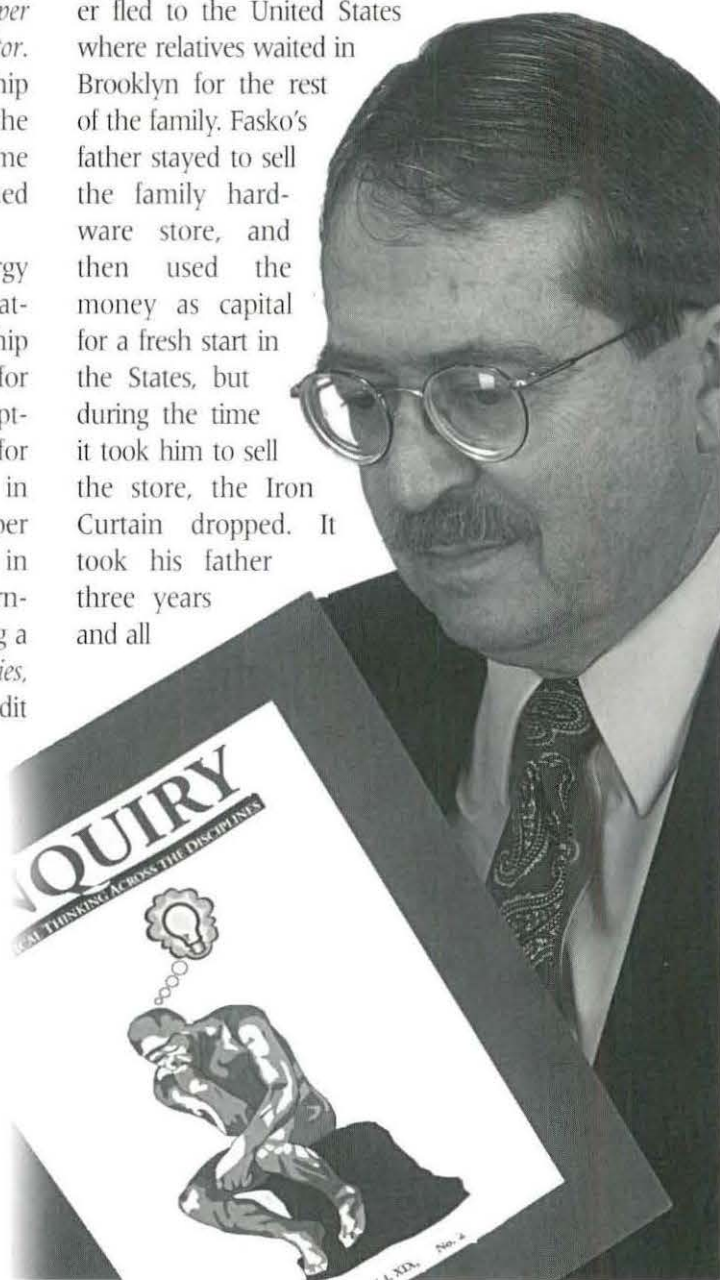
"I have a problem composing on the computer because I get too concrete, and if I see I've made an error grammatically I have to change it, and that messes up my flow, whereas when I write freehand I can write more freely," says Fasko of his writing habit. Fasko's addiction to writing has led to a consistent record in publishing for the last 17 years in such journals as *Education*, *The Roeper Review*, *Research in the Schools*, and *The Professional Educator*. And it is this prolific publishing record and his editorship of *Inquiry: Critical Thinking Across the Disciplines* that led the Research and Creative Productions Committee to name Dr. Fasko as Morehead State University's Distinguished Researcher for 2000.

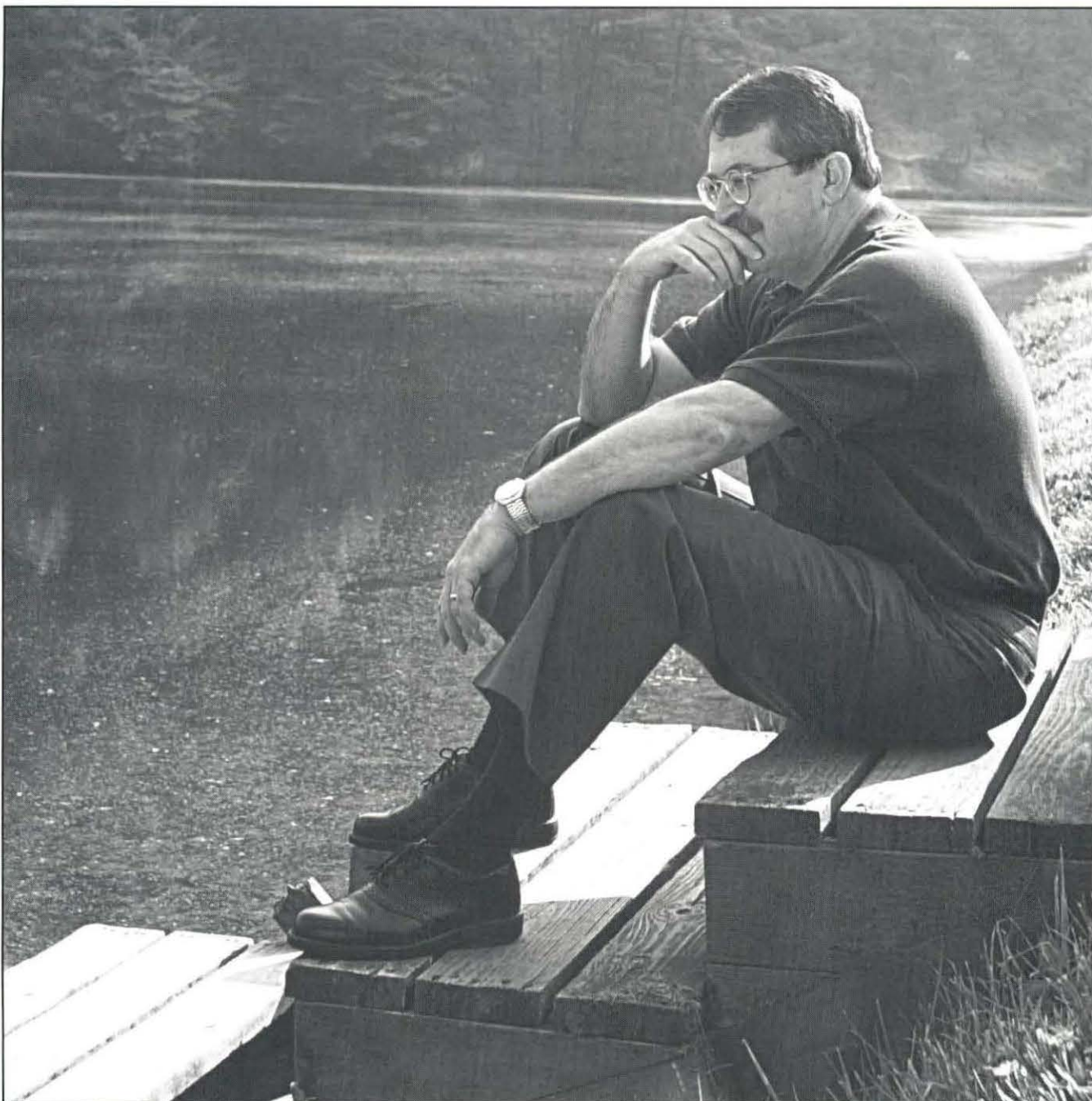
Dr. Fasko's dedication to publishing and his energy level combined with an old-world work ethic have created a research dynamo in the Department of Leadership and Secondary Education. The European Association for Research in Learning and Instruction (EARLI) has accepted his paper on the use of case studies in education for presentation at its annual conference to be held in Switzerland in August 2001. He is also preparing a paper on creativity in schools for a special issue of *Research in the Schools* and plotting research on problem-based learning for another scholarly essay. Dr. Fasko is also editing a book titled *Critical Thinking and Reasoning: Current Theories, Research and Practice* for Hampton Press and will co-edit (with Dr. Wayne Willis, MSU professor of education) a book on the philosophical and psychological perspectives on moral development and education, also for Hampton Press.

"I have found in the 17 years that I've been in the business that you have to find the right outlet and the right readership because you can be rejected by some journal and accepted by somebody else for basically the same paper," says Fasko. For example, Dr. Fasko and Dr. Robert Grueninger, MSU professor of HPER, recently collaborated on an essay about tai chi, an interest of Fasko's. The tai chi paper evolved out of a discussion between the two professors. They submitted the paper to several journals before finding the right fit; it was recently published in *Clinical Kinesiology*.

"If I get a rejection, I use the reviewer's comments and revise it and then submit it to a different market. It's like baseball; three strikes and you're out. If three journals don't like it, I'm throwing it away," says Dr. Fasko.

Perhaps his energy and work ethic stem from the immigrant dream of success fostered by his parents. Born in the small farming community of Brezno (population 7,000) in Czechoslovakia, Dr. Fasko moved to Brooklyn, N.Y., when he was nine months old. To escape the Iron Curtain in 1949, Fasko and his mother fled to the United States where relatives waited in Brooklyn for the rest of the family. Fasko's father stayed to sell the family hardware store, and then used the money as capital for a fresh start in the States, but during the time it took him to sell the store, the Iron Curtain dropped. It took his father three years and all





*Dr. Daniel Fasko, professor of education, contemplates a pristine spring morning at Eagle Lake. Dr. Fasko is editor of the scholarly journal, *Inquiry: Critical Thinking Across the Disciplines*.*

the money he had saved from the sale of the store to escape through Germany.

"My mother came from a family of one father and two mothers. The first set of siblings came to the States before WWII, but the second set were in Europe when the war broke out. She lost seven siblings and her mother during the Holocaust," says Dr. Fasko. Only she and a younger brother survived. Dr. Fasko and his family spent eight years in Brooklyn and then moved to Jersey City, N.J. His father worked at several odd jobs — as a window

washer and in an umbrella handle factory in Brooklyn — but he eventually went into business for himself in tiles and carpets in New Jersey, which he has done for the last 40 years. In 1965, Dr. Fasko's family moved to suburban Berkeley Heights, N.J., where he graduated from high school.

"I wanted to be a physician and applied to premed programs. I got into four colleges in premed, but I decided to go to Seton Hall in psychology." After obtaining a B.A.

(Continued on pg. 22)

Based on survey data collected

Major grant aimed at reducing high-risk drinking among college students

By Liz Mandrell

Spearheading a campaign to reduce high risk drinking on Kentucky college campuses, MSU President Dr. Ronald Eaglin solicited support from state leaders and presidents of other state colleges and universities to address what he feels is a growing problem among college students. Supported by a \$249,000 grant from the U.S. Department of Education, the Kentucky Network Project to Reduce High-Risk Drinking Among College Students hopes to use a variety of environmental and research-based strategies

to diminish or eliminate drinking on Kentucky's college campuses. Dr. Eaglin hopes to bring focus and attention to this issue as a statewide problem as well as establish prevention programs on individual cam-

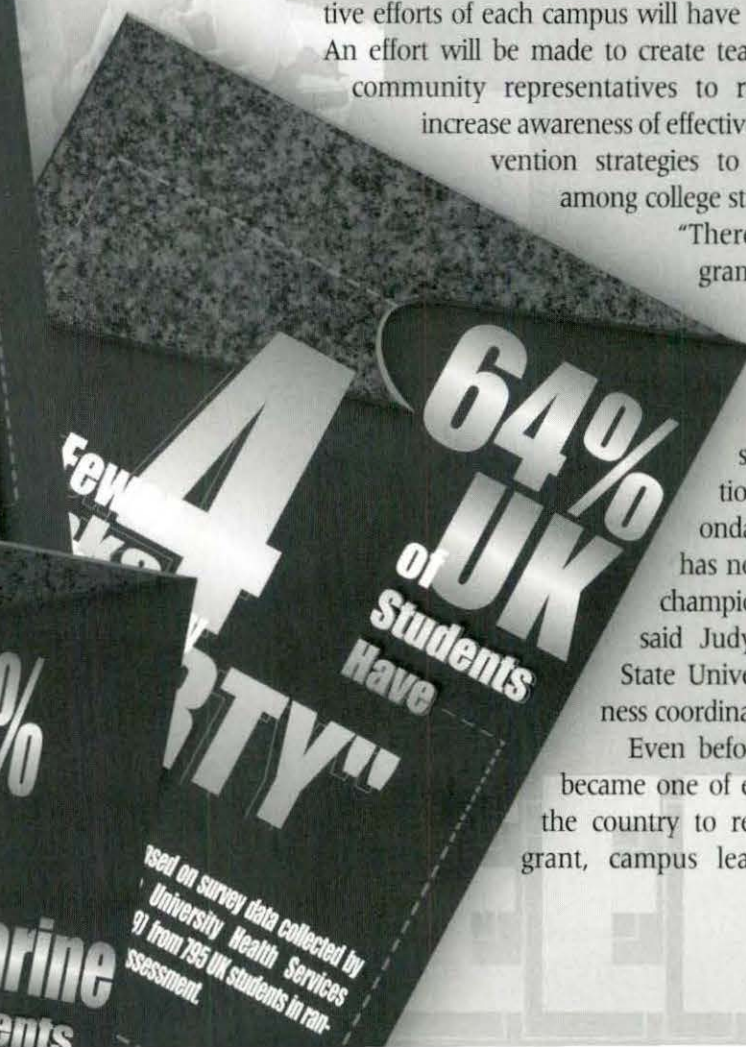
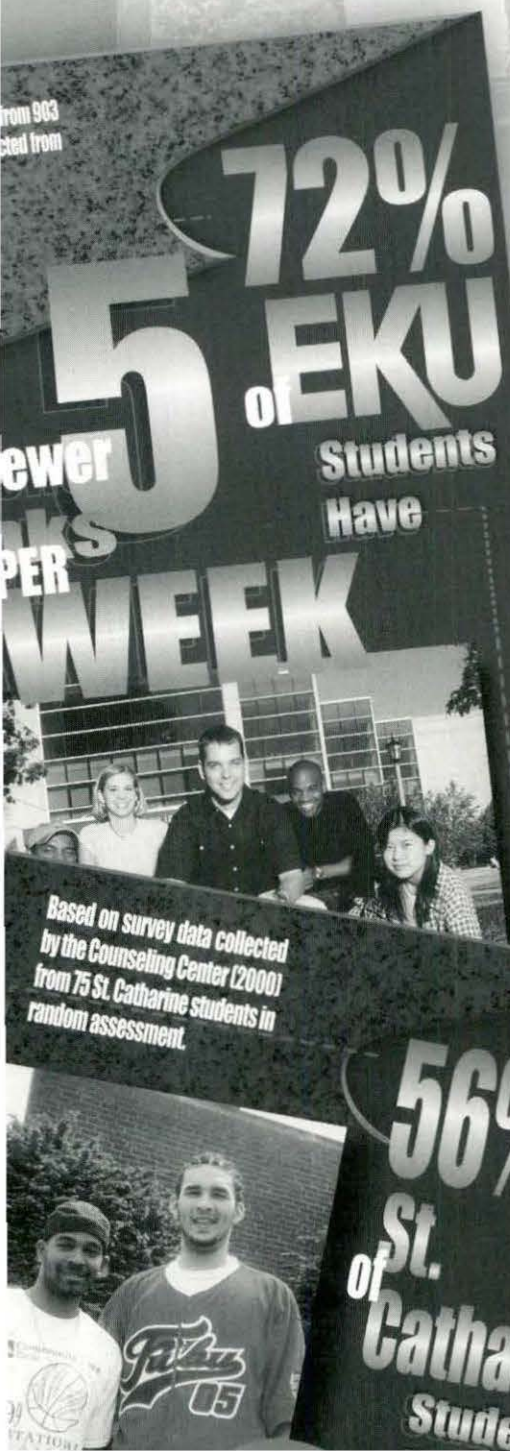
pus. Research shows that a pattern of social drinking in college often becomes a life-long struggle with alcoholism.

"It is imperative that we challenge this self-destructive behavior on every campus," Dr. Eaglin said. "Today's students are the future of our state, nation, and world, and we must make sure they understand the inherent dangers of high-risk drinking."

In the past, Kentucky campuses have acted alone in dealing with the problem of drug and alcohol abuse. Without an awareness of existing problems on other campuses, university and college leaders felt isolated in their fight against alcohol and drug abuse. Project goals include creating or expanding and supporting campus-community coalitions at Kentucky colleges and universities to reduce high-risk drinking among college students as well as the related problems they cause for non-drinkers. To bring about these changes, the Kentucky Network hopes to bring together the efforts of campus leaders, community representatives and students. By using community resources to bring about campus-wide results, the collective efforts of each campus will have a statewide impact. An effort will be made to create teams of campus and community representatives to receive training to increase awareness of effective science-based prevention strategies to decrease drinking among college students.

"There are many programs that deal with alcohol and other drug abuse prevention in elementary and secondary education, but a post-secondary effort like this has not been unified and championed in Kentucky," said Judy Krug, Morehead State University student wellness coordinator.

Even before Morehead State became one of eight universities in the country to receive this kind of grant, campus leaders had already



imposed stiffer penalties, such as parental notification of student misbehavior, in an effort to curtail drinking. If a student is found with alcohol or found to be intoxicated on campus, the first violation results in a reprimand to the student, notification of parent or guardian, fifteen weeks of probation, 20 hours of community service and mandatory attendance at a prevention seminar. If caught again, students' parents will again be notified and students may be subject to expulsion. By bringing attention to the problem early in a student's academic career, Dr. Eaglin hopes to prevent additional grief to the students, parents, and community.

"We no longer tolerate excessive drinking as acceptable behavior on campus, and we seek to impress upon our students that society and the legal system will be even more unforgiving," Dr. Eaglin said.

Another element of prevention is to change the public perception of drinking habits. A mass media campaign to diffuse the "everybody's doing it" myth matches the perception of student's drinking habits with statistical data obtained through student surveys. Most people perceive that college students get drunk once or twice a week

when in reality they are drinking much less. The perceived use and the reported use seem to be much different.

"If we change the environment so that it is less supportive to drinking and other drug use, whether it be through policy, alternative activities, or education, we will all benefit from these measures. If you change the perception of use closer to the reported use, alcohol use reduces," Krug said. Posters distributed on campus and advertisements in the campus newspaper state that 70% of MSU students drink four or fewer drinks per week.

Twenty-four percent of MSU students don't drink at all but are still potential victims of alcohol and drug abuse through excessive noise, assault, date rape, or even vehicular manslaughter.

As project director, Dr. Eaglin is looking forward to a Summit to Reduce High Risk Drinking Among College Students. Governor Paul Patton will speak as well as Harvard professor Dr. William DeJong, director of the Higher Education Center for Prevention of Alcohol and Drug Abuse and author of many articles on the topic of alcohol and drug abuse treatment and prevention.



Judy Krug, student wellness coordinator, Dr. Ronald Eaglin, MSU president, and Michael Mincey, vice president for student life, examine publicity materials developed for a campaign to reduce high risk drinking among Kentucky's college students.

Upward Bound Math and Science Program: Developing links between theory and practice

By Liz Mandrell



preparation as well as career planning and personal development.

Classes start at 8:30 in the morning and include the core math and science classes, English, career planning, computers, and Spanish.

"A typical activity might be to plan for a manned space mission or to create a radio signaled message to contact possible civilizations near a distant star. They discuss how the solar systems are formed and how to travel in space," said MSU assistant professor of geology Dr. Eric Jerde, who teaches

space science for the Upward Bound program.

During afternoon programs, students participate in additional out-of-classroom activities, including field trips

David Sloan, associate director of the Upward Bound Math Science Center, and Jennifer Cady, director of the Upward Bound Program, have a busy summer when students arrive at Morehead State University for a full summer of classes and enrichment programs.

to the Hazard NASA facility and the Eastern Kentucky Center for Science and Technology in Prestonburg. Each student is also required to do a research project and present the project in front of the entire group of participants.

Students have complete access to Morehead State University's lab system for research purposes. Research subjects covered during the summer were on such diverse topics as how to make a mummy, extraterrestrial intelligence, space stations, sunspots, and why some twins seem to know what the other is doing.

While Upward Bound has been continuously funded

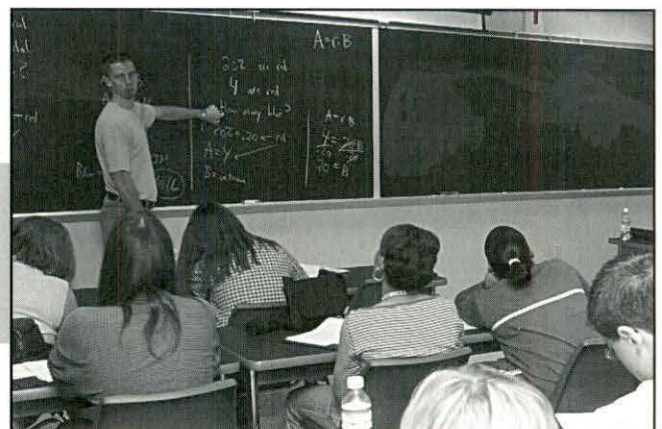
(Continued on pg. 20)

Summertime and learning is easy, especially for 50 East Kentucky students enrolled in Morehead State University's newly established Upward Bound Math and Science Center. You might think grumbling and complaining would be in order, but for students attending the Upward Bound Math and Science program, learning is fun, with hands-on activities, enrichment field trips, and other educational opportunities.

Living on campus at Regents and Wilson halls, students not only gain exposure to math and science but also a taste of college life, developing friendships with students from other counties who have been chosen as participants. Referred by youth service centers, counselors, teachers, TRIO programs, and EOC programs, students must meet certain income and first-generation college criteria as well as have an interest in math and science and show an aptitude for those subjects.

Brian Schworm, MSU instructor of mathematics, works with Upward Bound students during a morning math class.

Ninth, 10th and 11th grade students are eligible. They benefit from Math and Science instruction and ACT



A question for cell biologists: **What controls the organization of microtubules?**

By Liz Mandrell



Dr. Carol Wymer's research concerns the feedback between a plant's cell wall and microtubules. Dr. Wymer's research stemmed from experiments she conducted while completing her doctoral work at Penn State. Her current research attempts to replicate those experiments to obtain additional information about how cell wall growth is regulated by microtubules.

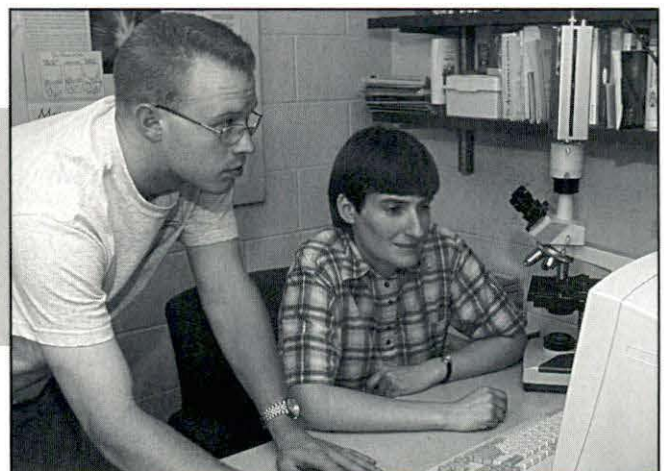
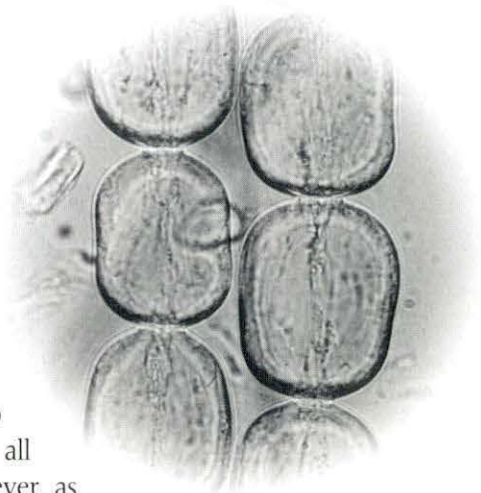
Dr. Carol Wymer works with Steve Burchett, Louisa sophomore, capturing cell images from the microscope. Burchett assisted Dr. Wymer in her research involving microtubule organization.

Researching the basic mechanics of plant cell growth, the assistant professor of biology notes that young cells tend to be the same dimension all the way around. However, as the cell grows, it grows only along one axis. Along with five MSU undergraduates, Wymer investigates why the cell grows in one direction but not another.

"What controls cell growth? The organization of the cell wall. What controls the organization of the cell wall? The organization of the microtubules. What controls the organization of the microtubules? That's what I'd like to know," Wymer said. First, Wymer developed a model growth system, in which microtubules could be manipulated in such a way that their effect on the cell wall could be observed. This was done by creating a protoplast, a plant cell whose cell wall has been removed. When placed in a centrifuge, the protoplast's contents become displaced preferentially snapping some of the microtubules. As the cell wall grows back, the remaining microtubules control the organization of the wall.

"The classic example would be several hoops around a barrel. The cell can't expand or grow differently because the cellulose bands are wrapped around the barrel of the cell," Wymer said. "The question is, 'How did the hoops get there?'"

Wymer's research was presented at the Kentucky Academy of Science conference.



David Rudy blazing a new Wilderness Road with MSU's Institute for Regional Analysis and Public Policy

By Liz Mandrell

In 1965, President Lyndon B. Johnson was in office, "The Sound of Silence" by Simon and Garfunkel was at the top of the charts, and American troops were being sent to Da Nang. Also in 1965, 60 percent of the residents of East Kentucky were living below the poverty level, much of Morehead State's campus was still a grassy meadow, and for Dr. David Rudy, dean of the Institute for Regional Analysis and Public Policy (IRAPP), Kentucky was just a warm climate that he had never visited.

Today, there's a different Texan in the White House, people listen to the sounds of Backstreet Boys instead of Simon & Garfunkel, and Vietnam is a distant, uneasy memory. And where once was a grassy meadow now stands the Lloyd-Cassity building (built in 1962) and in Room 100 of that building sits David Rudy, a 21-year resident of Kentucky, committed to bringing about the change that has gone unaffected by years of neglect. The only thing that has remained the same in 36 years is East Kentucky's relationship with poverty, plaguing 60 percent of the population in 1965, lowering only slightly to 57 percent in 2001.

It is Dr. Rudy's hope that IRAPP can change that percentage. IRAPP, a centralized research effort for the Appalachian area, focuses on enhancing education and economic development for not only East Kentucky, but for all of the area connected by the Appalachian Mountain Range from the Allegheny highlands of Pennsylvania to as far south as Alabama. By integrating University and regional resources, Dr. Rudy hopes to develop the economic potential of an area, rich with bituminous coal and oil fields, that has sustained poverty rates surpassing twice the national rate for many years.

Dr. Rudy, who chaired the Department of Sociology, Social Work & Criminology for 13 years, sees IRAPP as a collective outreach for the region and a way to put Morehead State University on the map.

"This program establishes us as a different player simply because we are focused on a larger plane," Rudy said. In 1998, House Bill 1 funded universities who established approved programs of distinction, to do local good and gain regional merit, achievement, recognition and reach national prominence by 2020. IRAPP became one of those programs funded. IRAPP was granted \$900,000 by the Council on Postsecondary Education that was matched by MSU for a total of \$1.7-1.9 million each year for the next six years. While the IRAPP partnership involves many of MSU's individual disciplines such as geography, government, education, environmental sciences, natural sciences, social sciences, the organizing glue was the focus on applied research for the region.

"Regional science programs are mostly found at Ph.D. institutions. We wanted to look at the economy in terms of product and regional analysis. Regional analysis became the conclusive, broad, multi-disciplinary approach from which we launched," Dr. Rudy said.

One of the projects currently funded through IRAPP is the development of the Atlas of Appalachia on CD-ROM. The atlas includes 400 maps and 100 photos, including such items as an 1860 demographic map of Slave Ownership in Appalachia that has never before been produced. A wide range of statistics concerning things such as suicide rates and women property owners will be just a double mouse click away.

(Continued on pg. 21)



Dr. David Rudy

Planning grant helps journalism professor enhance digital imaging resources

By Jeff Spradling

Dr. Kenneth Sexton, assistant professor of journalism, has used a \$2,500 planning grant from the Graphic Arts Education and Research Foundation (GAERF) to improve digital imaging instruction in the Department of Communication & Theatre.

"Although we're working in temporary labs while Breckinridge Hall is renovated, we wanted to enrich our on-going courses in communications with more graphics and more online resources," Dr. Sexton said. Desktop publishing classes will see a big boost in technology offerings when the \$14 million Breckinridge renovation is completed. Plans for the facility include purchase of digital imaging stations for photojournalism classes.

Part of the GAERF grant was used to determine the kind of equipment that will be needed for workstations. Money was also used to develop course materials for enriched photojournalism and desktop publishing classes.

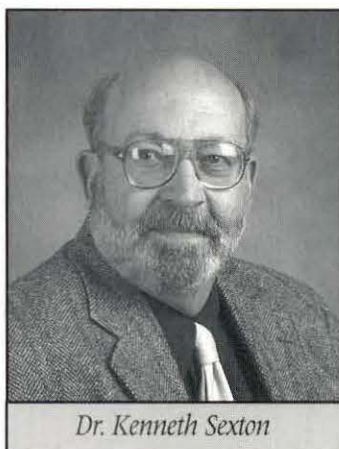
Some of the workstations have already been purchased for the current Communications lab, and students have been working with course materials prepared with the grant as well as software packages.

"One of our software packages is a city and transport system construction package. Others allow the students to build and launch colorful websites," Dr. Sexton said.

In addition to aiding current students, the digital imaging equipment can be used for annual recruitment workshops held by the department.

"Thanks to the GAERF planning grant, the efforts of other instructors like Tony Glover (instructor of communications), and small amounts of additional money,

I'm happy with the level of digital imaging resources we can offer communications and general education students," Dr. Sexton said.



Dr. Kenneth Sexton

Categorizing ethnic nationals in English literature: Unwinding the genre conundrum

By Liz Mandrell



Dr. Ann Marie Adams

The theories that impact literary criticism fundamentally depend on everyone talking the same language. To categorize a writer by genre or nationality depends on a general agreement of nomenclature between theorists, an agreement that is rarely present in global literary analysis.

With a grant provided by Morehead State University, assistant professor of English Dr. Ann Marie Adams researched several writers whose work and lives have been complicated along national and ethnic lines. In an effort to differentiate writers who had previously been identified as immigrants (writers who move to

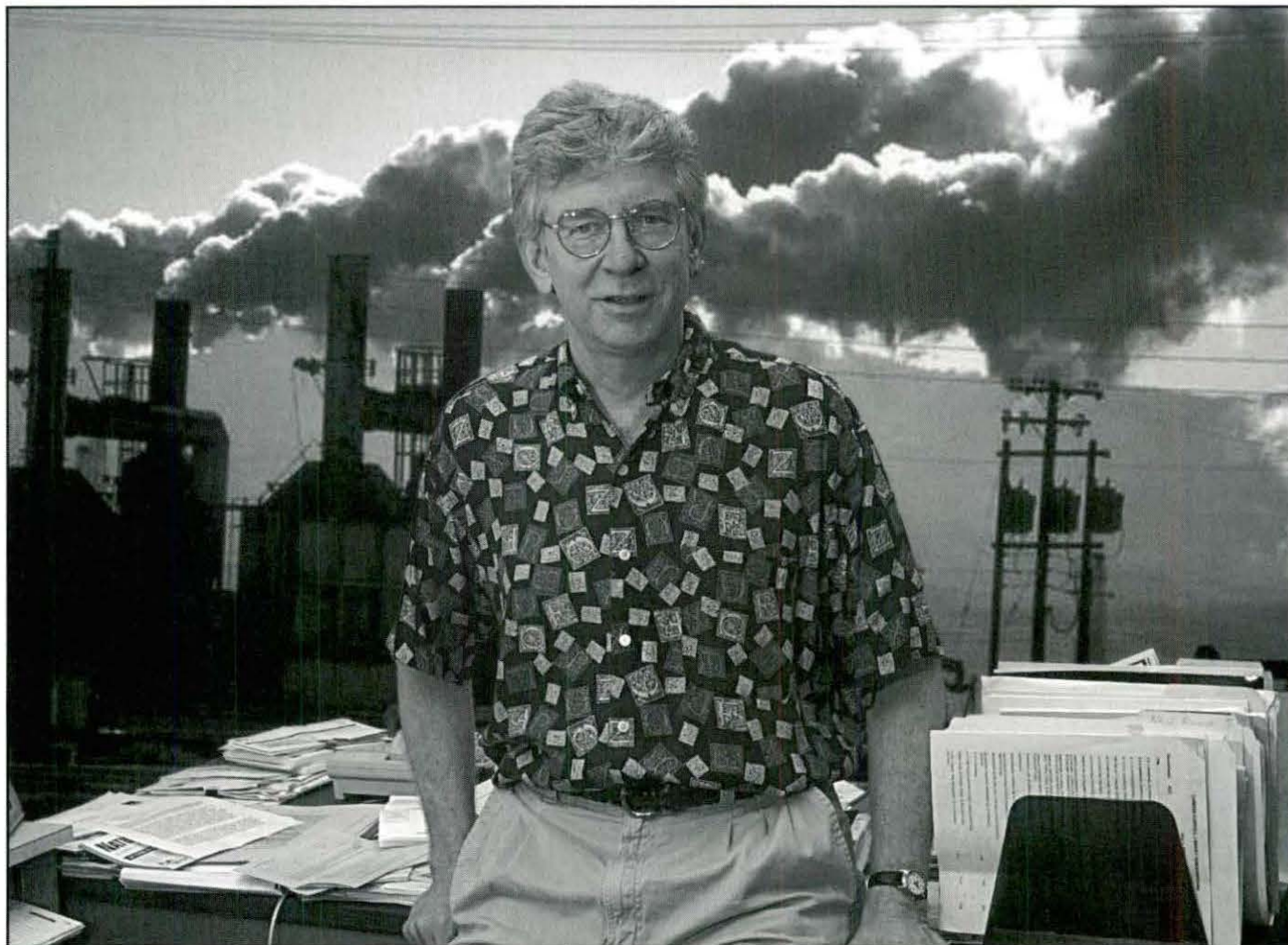
western cities) or 'postcolonials' (writers who remain in their formerly colonized countries), Adams researched Black British writers and writers from countries formerly colonized by Britain. Adams looked at contemporary writers such as Salman Rushdie, who lives and works in Britain, Hanif Kureishi, a Pakistani who was born in Britain, and Kazuo Ishiguro, a naturalized citizen of Britain who was born in Japan.

"I hope that my work will help clarify some of the classificatory conundrums which make the study of contemporary literature so difficult for uninitiated undergraduates," Dr. Adams said. By placing Black British authors within a post-colonial frame, Adams argues literary scholars deny the writers' "ethnic" contributions to the British literary tradition.

Dr. Adams hopes to contribute to an anthology of critical work relating to Kazuo Ishiguro with an essay based on her findings.

Coming to grips with fossil fuel pollution: **Economist studies potential impact of carbon tax**

By Liz Mandrell



Dr. Thomas Creahan, assistant professor of economics, researched the effectiveness of a carbon tax as a way to reduce fossil fuel emissions. He hypothesizes that taxing carbon emissions will promote conservation and use of alternative energy sources.

Assistant professor of economics Dr. Thomas Creahan continues to analyze the economic efficiency of a carbon tax to bring about desirable environmental results. Passing regulations that limit pollution, such as checking automobile emissions or mandating catalytic converters, are often inefficient because they are expensive. Creahan wants to focus on a method that comes at a lower cost to society.

Similar to putting a refundable deposit on bottles to encourage people to recycle, taxing the carbon content of fuels such as coal and oil will not only promote conservation but also increase usage of other types of fuel. Instead of generating governmental revenue through taxing labor and capital, a carbon tax gives consumers an incentive to control their fossil fuel use.

"If you tax carbons, you encourage people to use nat-

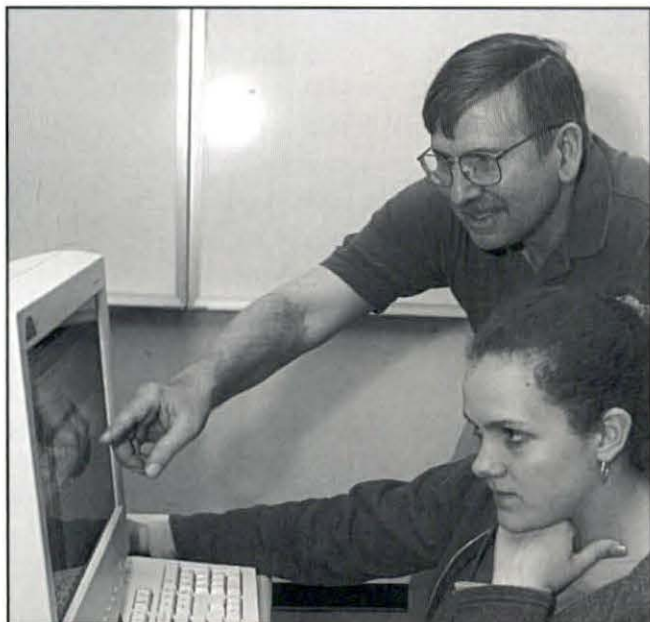
ural gas or oil rather than coal. You encourage people to conserve and also to use renewable energy like wind and water," says Creahan. By taxing fossil fuels based on carbon content, Creahan projects that negative environmental outcomes will be alleviated. The carbon dioxide emitted by fossil fuels tends to trap heat, which results in climate change and global warming. This leads to melting polar ice caps, rising sea levels, and radical weather changes.

"Humanity must come to grips with this problem or before long we won't recognize our planet," Creahan said. One of the ways to mitigate this landslide environmental abuse is the introduction of a carbon tax on coal and oil.

Creahan presented a paper concerning environmental taxes at the Midwest Economics Association this past March in Cleveland, Ohio.

Technology project making computer assisted data analysis second nature for social science students

By Liz Mandrell



Dr. Ed Reeves works with Sarah Adkins, Morehead social work junior, in the department's newly equipped computer lab. The department is using new facilities to familiarize its students with technology tools used in the social sciences.

"We had a problem," said Dr. Ed Reeves, chair of the Department of Sociology, Social Work & Criminology. "There were students taking data analysis classes who didn't even know if the computer was turned on or not."

The problem was soon solved with the help of a matching grant from Morehead State University and the National Science Foundation in support of the "Technology Enhanced Core Project" (TECP). TECP was designed by the University's sociology faculty to improve the curriculum as well as lab facilities. Luckily for the sociology program and those wayward, computer-illiterate students, science to the NSF includes social sciences such as sociology. The three-year project will increase opportunities for students to use computer-assisted learning in a core of eight classes that are taught in the sociology major.

"We were trying to enhance the scientific credibility of our curriculum by exposing students to data analysis techniques earlier in the curriculum. We now have computer-assisted classes that involve data analysis in SOC 101 and SOC 203 as well as in several 300-level classes. Getting freshman involved is important because later they will take the 400-level research methods and data analysis classes," Dr. Reeves said. "TECP aids in strengthening stu-

dents' analytic abilities. It provides a state-of-the-art, interactive computer lab to give students the tools, software, data sets, and internet linkages to actively pursue scientific analysis."

The new 24-unit computer lab, one of the most up-to-date on campus, is equipped with two mobile work stations to encourage faculty to take computer-assisted analysis into their classrooms. Provisions were made in the grant for faculty to have reassigned time during the school year or over the summer for course preparation.

"Sociologists do use qualitative methods, such as observation and written description, but just as a chemistry student needs to know basic lab skills, the use of computers is an absolute necessity for sociology students to learn how to crunch numbers and observe quantitative patterns in data," Dr. Reeves said. Sociology students, as well as criminology and social work students, have increased from 200 to well over 300 in the last 10 years (at MSU). The department saw the need to prepare all of these students for not only problem solving and awareness of cultural diversity and social inequality, but quantitative analytical skills, as well.

When Dr. Reeves' committee submitted the grant, facilities for sociology students were inadequate. Many of the computers in the department's lab were slow and antiquated; many could not handle Windows or data analysis software. The current lab computers came equipped with Microsoft Office. The TECP grant also provided MicroCase, statistical software specifically designed to teach data collection and analysis techniques to beginning undergraduates. Statistical Package for Social Sciences (SPSS), one of the major software programs used by sociologists to teach upper level undergraduates, was also purchased with TECP funds. With this up-to-date software and computer technology, students will be introduced to the basic sociological scientific processes of creating data sets and analyzing patterns in social data.

"We are in the second year of implementation, and I don't hear any more of those stories about students not knowing how to turn on the computer. Of course, some students will be carried into the information age kicking and screaming, but the time will come when students will not even question the use of computers and quantitative methods," Dr. Reeves said.



Tradition of mummer's play (continued from pg. 13)

house of the lord of the manor and perform their play. The lord lets them in, they do the play that demonstrates creativity and loyalty to the lord, and he provides them meat and wassail.

This play broke down social barriers between the peasants and the lord," said Dr. Minor.

The Kentucky Mummer's Play, performed by the Morehead State University Department of Music's OperaWorks ensemble, has performed around the state at such venues as the Kentucky History Museum, by invitation of the Kentucky History Center, and the Kentucky Arts Council. The play was also performed at Pine Mountain School.

"We performed it for many of the Pine Mountain School alumni, now in their 70s and 80s, in the room where the students used to perform their plays in the '30s and '40's," Dr. Prindle said.

Funded by Morehead State University, the MSU Department of Music, the E.O. Robinson Foundation, and through private contributions, The Kentucky Mummer's

Play was also performed in Dublin, Galloway, Listowel and Cork, Ireland, during under the organization of the Cooperative Center for Study Abroad.

"Of course, when we performed it in Ireland, we changed it from St. George fighting the dragon to a character named Fin MacCool, a traditional character from Irish folk lore, fighting an English dragon," Dr. Prindle said.

With the musical accompaniment of a bagpiper and the White Horse String Band, Dr. Prindle sought to preserve the traditional Celtic strains derived from early Irish, Scottish, English, and Welsh music. With a cast of 20 students and faculty, many of whom have Irish roots, the trip to Ireland proved to be informative in connecting them with their Irish heritage. They visited the Queenstown port where many immigrants sailed to the new world in search of a better life.

"It was a dream come true, a coming full circle for most of us, especially those with Irish roots. We had a wonderful tour guide who enlightened us on the connection of the ancient Celtic spiritual practices with their modern day Christian equivalents," Dr. Prindle said.

Distinguished Researcher (continued from pg. 9)



in psychology from Seton Hall University, Dr. Fasko joined the U.S. Army serving from 1971-73 as a medical platoon leader and assistant personnel officer for an Air Cavalry squadron at Ft. Knox, Ky. After serving in the military, he returned to New Jersey and opened a subway sandwich shop, Ye Old Sub Pub, with a close friend. He eventually sold his share of the business to his partner and returned to education. Prior to this time, he earned a master's degree in psychology from the University of Bridgeport in Connecticut, and in 1983, his Ph.D. from Florida State University.

Dr. Fasko currently lives with his wife, Sharla, and 8-year-old daughter, Katie. His eldest daughter, Heather, is a student majoring in art education at the University of West Florida. Besides his current publishing projects, Dr. Fasko also coaches youth soccer, basketball, and baseball.

"My strength has always been my energy and drive. You might call it hyperactivity, but I see those things as my strength. I don't see myself retiring, unless I decided that I've had enough," says Dr. Fasko. He also credits persistence as a crucial element in his publishing record. Citing an article by famous educational psychologist, Bob

Sternberg, chronicling his own rocky beginning in publishing, Dr. Fasko also acknowledges that rejection and subsequent revisions are part of the territory of writing.

"Basically you have to develop rhinoceros hide. You have to be able to take the rejections and work with that. I'm always revising, finding ways to make my papers better," says Dr. Fasko.

When he's not writing or coaching or exercising or teaching, Dr. Fasko can usually be found working on the current issues of *Inquiry*, a quarterly journal with growing circulation. As the journal's one-person show, Dr. Fasko has little help outside of a few graduate assistants, and the design and production assistance from Morehead State.

"There is no monetary support, and I don't have a doctoral student that I can give work to. I usually work four or five hours each Saturday and Sunday. Today, I wrote two letters to people to revise their manuscripts, plus sending two or three articles out for review, plus I'm putting out two issues right now," says Dr. Fasko.

GRANTS SUMMARY 1999-00

INTERNAL GRANTS

Department of Accounting & Economics

Thomas Creahan, "The Efficient Design of Tax Policies for Environmental Protection."

Department of Agricultural Sciences

Donald Applegate, Brent Rogers, and Philip Prater, "Pasture Utilization and Condition Comparing Grazing by Cattle Versus Cattle and Goats."

Department of Biological & Environmental Sciences

Darrin DeMoss, "The Effects of Ca++ Stress on Mechanical and Non-Mechanical Skeletal Components."

David Magrane, "Cardiovascular and Hormonal Evaluation of Diabetic-Exercised Rats."

Ted Pass, "A Comparability Study of the ASTM-IFA Method with ProNetic Method for the Isolation and Enumeration of Cryptosporidium in Nine Surface Waters in Eastern and Western Kentucky."

David Saxon and David Magrane, "Comparison of the Antioxidant Activities of Phytoestrogens, -Estradiol and Tamoxifen on the Oxidation of Lipoprotein."

David Smith, "Assessment of Biological Integrity of Triplett Creek, Rowan County, Kentucky."

Carol Wymer, "Directional Growth of Plant Cells in Response to Biophysical Forces."

Department of English, Foreign Languages & Philosophy

Ann Marie Adams, "Artists in a Floating World?: Assessing the Impact of 'Global' Literary Theory on Postcolonial Studies."

Sylvia Henneberg, "Women Poets and Aging: The Case of Gwendolyn Brooks."

Department of Geography, Government & History

Ric Caric, "Modes of Self-Representation in John Fitch's 'Steamboat History.'"

Andrew Curtis, "The Impact of the Influenza Pandemic on Kentucky: Using a Spatial Filter to Improve Rabies Surveillance in Kentucky."

William Green, "The Odyssey of Depo-Provera: The FDA, Contraceptive Choice, and Chemical Castration."

John Hennen, "Dan Stewart: The Organizing Model of Unionism."

Department of Music

Andrew Carlson, "Bass Fiddle: The First Full Length Compact Disc of Duets for Bass and Violin."

Roma Prindle, "The Kentucky Mummer's Play."

Department of Nursing & Allied Health Sciences

Mattie Burton, "Healing Herbs: Oral Prescriptions from Lay Healers in Northeastern Kentucky."

Department of Physical Sciences

Marshall Chapman, "Bimodal Volcanism in the Isle au Haut Igneous Complex, Maine."

Brian Raichle, "Characterization of Scintillating Neutron Detector Nonlinearities."

Department of Sociology, Social Work & Criminology

Paul Becker, "The Sociology of Shoplifting."

Rebecca Katz, "Violent Sexuality in the Media and Gender Inequality: A Macro Analysis of the Effects on Rape."

Eric Swank, "Student Activism Study."

Barbara Niemeyer, "Interdisciplinary Early Childhood Education Proficiency Evaluation," Kentucky Department of Education.

Dreama Price and Cathy Barlow, "Jacob K. Javits Gifted and Talented Students Education Program," Fleming County Board of Education/U.S. Department of Education.

Harold Rose, "GTE Literacy Proposal," GTE Foundation.

Harold Rose and Jennifer Cogswell, "MSU Adult Learning Center," Kentucky Department for Adult Education and Literacy.

Harold Rose, "The Innovative Grant Evaluation Project," Kentucky Department of Adult Education and Literacy.

Jack Sheltmire, "Summer Food Service Program for NYSP," Kentucky Department of Education.

Jack Sheltmire, "Implementation of the Eastern Kentucky Wellness Project," Cabinet for Health Services.

Jack Sheltmire, "MSU Summer National Youth Sports Program," National Collegiate Athletics Association.

Ralph Shoaf, "Kentucky Teacher Internship Program," "Kentucky Principal Internship Program," Kentucky Department of Education.

Youmasu Siewe, "Enhancing the Affective Component of an HIV- and Alcohol-Related Intervention," University of Kentucky Research Foundation/National Institute of Alcoholism and Alcohol Abuse.

Judith Stafford, "MSU Public Child Welfare Worker Certification Program (PCWWCP)," Eastern Kentucky University/Kentucky Cabinet for Human Resources.

George Tapp, "Institute for Psychological Services - Rehabilitation Partnership Grant," Carl D. Perkins Comprehensive Rehabilitation Care Center.

Melinda Willis, "Collaborative Center for Literacy Development," Council on Postsecondary Education.

College of Science & Technology

Dora Ahmadi and Allison Mathews, "Periscoping the Math Program K-5," Kentucky Department of Education.

Donald Applegate, "Embryo Transplanting in the Boer Goat," ADA Ranch.

Donald Applegate and Phillip Prater, "Meat Goat Marketing Project," Kentucky Department of Agriculture.

Vivian Barnes, "Emergency Stabilization Procedures for Emergency Room Residents," "Emergency Stabilization Procedures for Emergency Medicine Students," Northeast Kentucky Area Health Education Center.

Robert Boram, Karen Lafferty, and Candace Glendening, "Project NOVA," National Aeronautics and Space Administration.

Robert Boram, "Outstanding Educators Mentor Novice Teachers to Develop Astronomy Instructional Skills," Kentucky Space Grant Consortium.

Cheryl Clevenger, "Vocational Education Title II-C," Kentucky Department for Technical Education/Workforce Development Cabinet.

Lane Cowser, "Regional University: Agricultural Initiative," Kentucky Department of Agriculture.

Lane Cowser, "Vocational Education Title II-C," Kentucky Department for Technical Education/Workforce Development Cabinet.

Lane Cowser, "Teacher Education Enrichment Programs," Kentucky Cabinet for Workforce Development.

Gerald DeMoss, "UK Physician Assistant Program Expansion at Morehead State University," University of Kentucky.

Gerald DeMoss, "Teacher Education Enrichment Programs," Kentucky Cabinet for Workforce Development.

Gerald DeMoss, "Vocational Education Equipment and Instructional Aids," Kentucky Cabinet for Workforce Development.

Gerald DeMoss, "Vocational Education Title II-C," Kentucky Department for Technical Education/Workforce Development Cabinet.

David Eisenhour, "System Surveys of the Daniel Boone National Forest," National Fish and Wildlife Foundation.

Jane Ellington, "Teacher Education Enrichment Program for Human Sciences," Kentucky Cabinet for Workforce Development.

Geoffrey Gearner, "Cave Run Muskie Project," Kentucky Chapter of Muskies, Inc.

William Grise and Charles Patrick, "Non-Imaging Concentrators and Fiber Optics for Passive Solar Lighting," Kentucky EPSCoR.

Robert Hayes, "Teacher Education Enrichment Programs," Kentucky Cabinet for Workforce Development.

Robert Hayes, "Vocational Education Title II-C," Kentucky Department for Technical Education/Workforce Development Cabinet.

Benjamin Malphrus, "IDEAS: Central and Eastern Kentucky Institute to Improve Instruction in Astronomy and Space Science," National Aeronautics and Space Administration.

Benjamin Malphrus, "From the Earth to the Universe: Project to Improve Instruction in Earth and Space Science," Council on Postsecondary Education.

Benjamin Malphrus, "Travel to NASA Centers to Explore Research Opportunities," Kentucky Space Grant Consortium.

Ted Pass, "Microbiology Testing for Natural Resources and Environmental Protection Cabinet," Natural Resources and Environmental Protection Cabinet.

Ted Pass, "Waste Disposal Projects," Office of Karen Shay, D.M.D.; Office of Don Blair, M.D.; Office of Douglas W. McLoney, Jr., D.M.D.; Office of Arvis Porter, M.D.

Ted Pass, "Expansion of Fecal Coliform Assessments in the Licking River Watershed," Kentucky Division of Water.

Ted Pass, "Microbiology Testing for Natural Resources and Environmental Protection Cabinet - Amendment," Natural Resources and Environmental Protection Cabinet.

Betty Porter, "UK Nurse Practitioner Program at Morehead State University," University of Kentucky.

Brian Reeder, "Triplett Creek Non-Point Pollution Follow-Up," Gateway District Health Department.

Allen Risk, "Bryophyte and Vascular Plant Inventory of Hi Lewis Barrens State Nature Preserve, Harlan County,

Kentucky," Kentucky State Nature Preserves Commission.

Allen Risk and Kim Feeman, "A Floristic Survey of the 'Tablelands,' a Natural Region in the Northeastern Section of the Knobs of Kentucky," Kentucky Academy of Science.

Scott Rundell, "Spay and Neuter Program of the Rowan County Humane Society," Rowan County Fiscal Court; Rowan County Animal Shelter.

Marilyn Sampley, "Child Development Associate Program," Licking Valley CAP Head Start.

Marilyn Sampley, "Vocational Education Title II-C," Kentucky Department for Technical Education/Workforce Development Cabinet.

Joan Whitworth and Thomas Klein, "District VI Science and Math Alliance," Council on Postsecondary Education.

Capp Yess, "The Three Dimensional Topology of the Las Campanas Redshift Survey," Kentucky Space Grant Consortium.

Institute for Regional Analysis & Public Policy

Andrew Curtis, "Using a Spatial Filter and a GIS to Identify Statistically Significant Holes in a Point Data Surface: The Case of Animals Submitted for Rabies Testing in Kentucky," Kentucky EPSCoR.

Ted Marshall and Mike Seelig, "MSU Training Resource Center," Eastern Kentucky University.

William Martin and Stuart Scharf, "Evaluation of Project Northland," Gateway Prevention Coalition.

Ron Mitchelson, "Summary and Synthesis of Previous Hazmat Studies," The Louisville/Jefferson County Emergency Planning Committee.

Brian Reeder, "Fluorometric Analysis of Chlorophyll," Commonwealth Technology, Inc.

Edward Reeves, Robert Bylund, Constance Hardesty, David Rudy and Rebecca Katz, "Technology Enhanced Core Project," National Science Foundation.

David Rudy, Ronald Mitchelson, Ed Reeves, Brian Reeder and Richard Hunt, "Institute for Regional Analysis and Public Policy," Council on Postsecondary Education.

David Rudy and Shirley Hamilton, "East Kentucky Women in Leadership Project," East Kentucky Women in Leadership.

Office of Academic Support & Extended Campus Programs

C.J. Bailey, "School-To-Work Program," School-To-Work Partnership Council, Local Labor Market #19 Partnership Council.

C.J. Bailey, "Business and Industry Project," Boneal, Inc.

Jennifer Cady, "Upward Bound," U.S. Department of Education.

Jennifer Cady, "Upward Bound Math and Science Center," U.S. Department of Education.

Jennifer Cady, "Summer Food Service Program for Upward Bound," Kentucky Department of Education.

Dan Connell and Steve Swim, "MSUCORPS," Kentucky Community Service Commission.

Dan Connell, "Summer Food Service Program for MOAR," Kentucky Department of Education.

Dan Connell, "MOAR - Morehead Occupational and Academic Retreat," TENCO Private Industry Council.

Carolyn DeHoff, "Educational Talent Search," U.S. Department of Education.

Shirley Hamilton, "Fall Kentucky Motorcycle Program at Morehead State University," Eastern Kentucky University.

Jami Hornbuckle, "Kentucky Motorcycle Program at the Ashland Extended Campus Center," Kentucky Motorcycle Program.

Margaret Lewis, "Fundamentals of Technology for Medical Transcribing," Big Sandy Area Development District.

Michael Pennington, "Educational Talent Search II," U.S. Department of Education.

Catherine Riley, "Retired and Senior Volunteer Program (RSVP)," Corporation for National Service.

Catherine Riley, "Retired and Senior Volunteer Program in Montgomery County," United Way of the Bluegrass.

Jonell Tobin and Barbara Motley, "MSU-LVECC Adult Learning Center," Kentucky Department for Adult Education and Literacy.

Elaine Tyree, "Student Support Services," U.S. Department of Education.

Dorothy Walter, "Academic Enrichment and Training—Summer Youth Program," TENCO Private Industry Council.

Dorothy Walter, "Computer Instruction Program '55' — Ashland Program," TENCO Private Industry Council.

Dorothy Walter, "MSU Welfare-to-Work Project," TENCO Private Industry Council.

Dorothy Walter, "JTPA Two-Year Occupational Skills Training Program," TENCO Private Industry Council.

Office of Graduate & Undergraduate Programs

Sharon Jackson, "GED-ON-TV Success Training and Education Planning Services," Kentucky Cabinet for Families and Children.

Sharon Jackson, "KET GED-ON-TV," Kentucky Educational Television Authority, Inc.

Gail Wise, "Basic Medical Transcriptionist Training," Big Sandy Area Development District.

Gail Wise, "St. Joseph Hospital/Morehead State University Electrocardiogram Program," Continuing Education Students.

Gail Wise, "Kentucky Motorcycle Program at Morehead State University," Kentucky Motorcycle Program.

