

KENTUCKY

A L U M N U S

**"Education of good quality is
no longer a luxury or a class matter—
it is an absolute necessity that can be measured
in objective terms of social and
economic welfare."**

**Thomas D. Clark
Historian (1960)**

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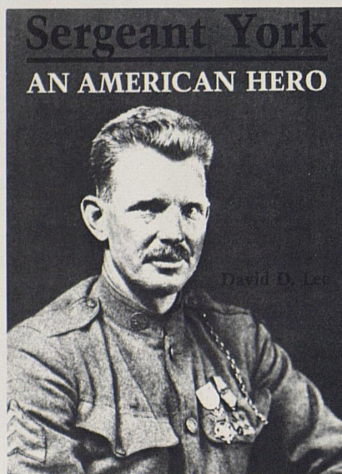
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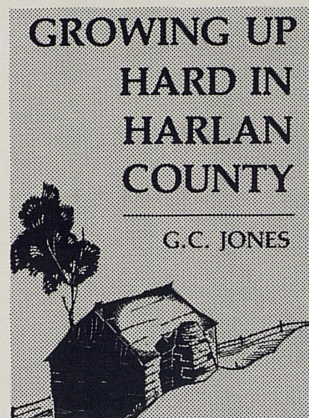


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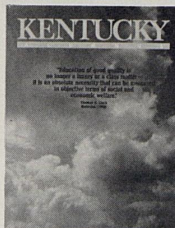
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Higher Education

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C O N T E N T S
KENTUCKY
A L U M N U S

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United We Stand

Higher education in Kentucky as a whole needs more support. Speaking up for higher education and for UK is on the alumni agenda.

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Only at UK

Some duplication of programs among universities is necessary, but this story focuses on the unique opportunities available only at UK.

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Model of Excellence

Jefferson Community College put a feather in Kentucky's cap when it was proclaimed #2 in the country.

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Hibernation research at UK may one day lead to a natural anesthetic, a cure for sleep disorders, and to more successful match-ups for organ transplants.

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UK Beat

A compendium of campus news.

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Class Notes

A class by class update about UK alumni.

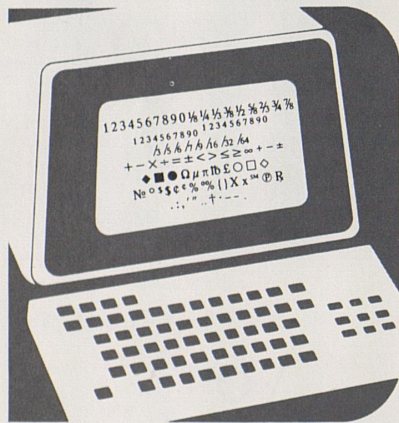
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Rec'd. in campus mail 10-29-1985



KMTBB

Twenty-two outstanding Kentucky mathematics teachers attending a National Science Foundation honors workshop and computer network program in July at UK had a common goal—developing an electronic Kentucky Math Teacher Bulletin Board which will begin operation this fall. The KMTBB will allow teachers to share teaching ideas and software programs. The KMTBB will make noncopyright software available and provide interesting math problems and comments on issues of importance to teachers. The teachers are learning how to operate a VAX computer for math sciences which they may access by telephone from their microcomputers at home. For further information, contact Dr. Don Coleman (606) 257-4802.



UK Coal Experts Help S.A.

Two UK coal mining experts traveled to Peru as part of a team of U.S. scientists helping to develop the coal industry in South America.

Curt Harvey and Anthony Szwilski were in Lima, Peru, in June to speak at the "Workshop on the Utilization of Coal as an Alternative to Petroleum Fuels in the Andean Regions." Government and industry representatives from Peru, Bolivia, Ecuador and Chile attended.

The UK scientists explained how the experiences of the coal industry in Kentucky and Appalachia may be applicable in South America.

Harvey and Szwilski were among 10 scientists and professionals selected by the National Academy of Sciences, under the sponsorship of the Agency for International Development, to participate in the South American conference.

Co. Agent's Role Changing

The role of the county extension agent is changing due to the shift toward a more information-oriented society, say two University of Kentucky sociologists.

Drs. James A. Christenson and Paul D. Warner presented their findings to the annual meeting of the American Association for the Advancement of Science in a paper titled "Extension Client Impact in Knowledge Transfer Processes."

The extension service was formed in the early 1900s to transfer agricultural research findings to farmers. At the time, many rural areas were isolated and illiteracy was common.

Highways and mass media have changed that, say the authors, leading to the question: What is the role of extension in an information age?

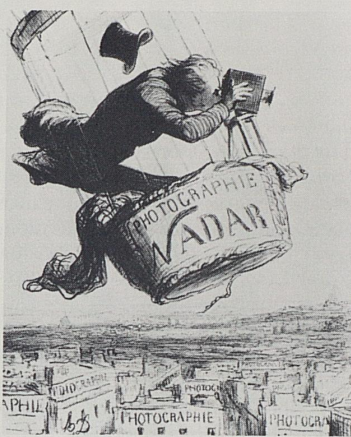
Christenson and Warner said the effectiveness of extension agents is limited when their role is viewed strictly as conduits of information. Alternately, if extension agents serve in the role of educators, their effectiveness will be enhanced considerably, particularly if they work closely with university researchers in developing ideas and technologies to serve the needs of the local population.

Although today many public and private information sources are available to the general public, there are few professionals working at the local level to interpret the information being provided. The authors say this is a key role for extension in an information society.

Christenson is chairman of the UK sociology department, which is under the auspices of both the College of Agriculture and the College of Arts and Sciences.

Warner is an extension professor in the UK sociology department and is assistant director of the Cooperative Extension Service, which is housed in the College of Agriculture.

At UK Tobacco Institute



Daumier Collection Coming

The University of Kentucky Art Museum will present the Armand Hammer Daumier Collection October 13-December 8. Honoré Daumier (1808-1879) was one of the most prominent and prolific artists of his age. While the artist is best known for his biting satirical caricatures commenting on France's political and social scene, he was also a gifted painter and sculptor. The exhibition contains over 200 works including paintings, sculpture and drawings, as well as lithographs, and is drawn from the extensive holdings of famed art collector, Dr. Armand Hammer. It is the largest private collection of Daumier's work in the world. Dr. Hammer also has several other major art collections which tour internationally. The University of Kentucky Art Museum previously exhibited The Armand Hammer Collection: Five Centuries of Masterpieces in 1981. That exhibit drew record-breaking crowds. Almost 100,000 people visited the Museum in a five-week period. The Daumier exhibition is also expected to be seen by a large audience. This exhibition is made possible by the Armand Hammer Foundation and Occidental Petroleum Corporation.

The UK Tobacco and Health Research Institute has appointed top scientists in three areas of special emphasis research.

In announcing the appointments, Institute director D. Layten Davis described the scientists as "superstars" in their areas of research.

The scientists and their special emphasis research areas are Dr. John N. Diana, cardiovascular; Dr. Alan Kaplan, pulmonary immunology; and Dr. Robert J. Shepherd, genetic engineering related to the tobacco plant.

The Kentucky Tobacco Research Board—the governing body for UK's Tobacco Institute—chose the special emphasis research areas last year. Institute and university selection committees and the members of the Tobacco Board then engaged in an intense national search for the scientists whose appointments were announced today. Davis emphasized the excellent cooperation received from the university and the board in this recruitment process.

Dr. Davis said the majority of the research time of the scientists will be devoted to tobacco and health research. Each of them also holds a faculty appointment on the University campus.

Since 1978, Diana, who has a doctorate in physiology from the University of Louisville, has been chairman of the department of physiology and biophysics at Louisiana State University's School of Medicine.

A native of Lake Placid, N.Y., Diana will direct the Institute's cardiovascular program that has a 1985-86 budget of \$381,550.

Kaplan, a native of Brooklyn, N.Y., is chairman of the department of medical microbiology and immunology at UK's Albert B. Chandler Medical Center.

He will head the Institute's pulmonary immunology program that is funded at \$250,000 for 1985-86.

Kaplan has a doctorate in immunology from Purdue University. His bachelor's degree in chemistry is from Tufts University in Bedford, Mass.

He has been chairman of microbiology and immunology at UK since 1982.

Kaplan was a research assistant at the Sloan-Kettering Institute in New York City.

Shepherd came to UK and the Institute from the University of California at Davis where he was professor of plant pathology. He received his bachelor's and master's degrees from Oklahoma State University and his doctorate from the University of Wisconsin.

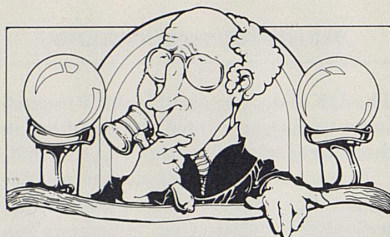
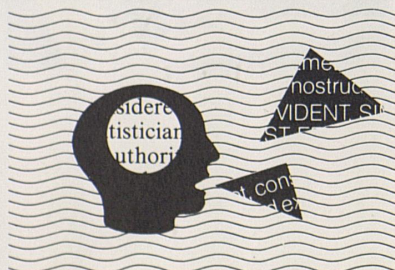
The program in genetic engineering related to the tobacco plant which Shepherd heads is funded for 1985-86 at \$250,000. This is the second year for this active effort in the Institute's program.

Shepherd was a Fulbright Scholar and studied in Cambridge, England, 1955-56. Much of Dr. Shepherd's work focuses on plant viruses.



Talk To Me

Last year, one-third of the tapes in the University of Kentucky's oral history collection were "heavily used" by scholars and writers from all over the U.S., says Terry Birdwhistell, director of the oral history project within the department of special collections and archives in the UK Margaret I. King Library. In fact, the UK collection—which centers on the history and culture of Kentucky—is more widely used every year by both scholars and the general public, Birdwhistell says. There are more than 1,600 interviews on tape, including those with two U.S. first ladies—Jackie Kennedy Onassis and Lady Bird Johnson. Other interviews in the collection are with justices Stanley Reed and Fred Vinson, governors Happy Chandler, Earle Clements and Lawrence Weatherby, writer Robert Penn Warren, senators John Sherman Cooper and Thruston Morton, and many more. Within the collection are such separate projects as the history of the University of Kentucky, Appalachian history, black history, history of medicine in Fayette County (in cooperation with the Fayette County Medical Society) and the history of Kentuckians in the Vietnam War. These Vietnam War tapes will be combined with film produced in UK's Office of Instructional Services to make a one-hour television documentary this fall on KET.



Law School Originated Moot Court

Alumni of the UK College of Law have commissioned a 14-minute, color-and-sound videotape about their alma mater which began in 1908. Its founding father was Judge William Thornton Lafferty, who commuted daily by train from his home in Cynthiana to teach classes in two rooms of what is now Frazee Hall on UK's campus in Lexington. About 1912, Judge Lafferty started the Moot Court, a mock court in which students try hypothetical cases. Today, this teaching device is commonplace among U.S. law schools. In its early years, the UK College of Law modeled much of its instruction on Harvard's methods. Yet the much-younger UK College of Law was the tenth American law college to establish a law review. Politicians and statesmen, judges and other leaders at all levels of service are UK law alumni. The videotape produced by the UK College of Law is available for a free showing to high school students, pre-law clubs, alumni, civic groups and the like.

Be All You Can Be

The U.S. Department of the Army has commended the UK Army Reserve Officers' Training Corps (ROTC) for being in the top five percent of more than 300 detachments nationwide.

The award was presented in a special ceremony recently by Gen. Thomas Lightner of Fort Knox to Art Gallaher, chancellor of UK's Lexington Campus.

Gov. Martha Layne Collins proclaimed May 15 Army ROTC Day in Kentucky in recognition of UK's honor and a similar honor given to the ROTC program at Eastern Kentucky State University. Kentucky was the only state to receive two commendations.

In addition to the commendation, the UK detachment also was honored by the Order of Founders and Patriots of America as ranking first in their region—Region 2, headquartered at Fort Knox and encompassing nine states and more than 100 colleges and universities.

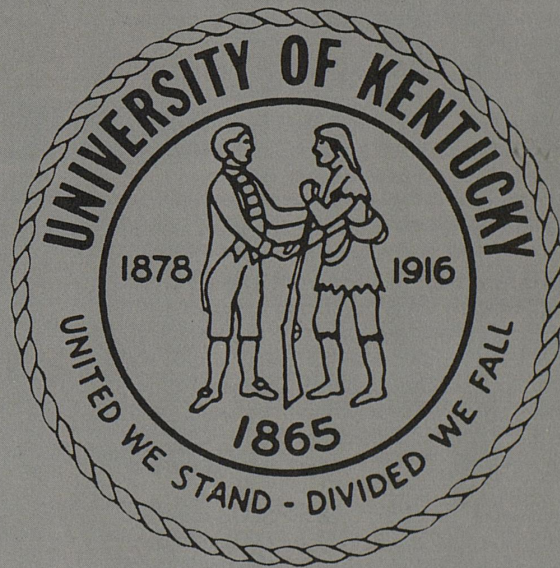
The UK Army ROTC program, headed by Col. Edgar D. Maddox, is a host detachment with three cross-enrolled schools—Transylvania, Georgetown and Centre colleges. More than 1,000 UK students currently are enrolled.

UNITED WE STAND.

BY JAY BRUMFIELD

Higher education in Kentucky needs far greater support if this state intends to compete in the high technology/information age the world has moved into.

Twenty-five years ago renowned UK history professor, Dr. Thomas D. Clark, observed that "We as a people have more often thought in terms of bare minimums rather than of the larger challenges which education might offer . . . In the past, a young Kentuckian could compete within his state with his fellows even though



“Rhetoric alone will not make UK a premier university.”

President Otis Singletary

he was poorly educated to do so. This is no longer true. Kentuckians now must be prepared to perform highly technical services to compete with people from other states . . . Education has become basic to the creation of job opportunities.”

True in the 1960s, those thoughts are even more relevant today. It is a fact that high technology and businesses are locating where they can find the best combination of natural resources, skilled labor, a favorable economic and political policy, and educational facilities to draw upon for training, research and the cultural enhancement of their employees.

As Kentucky learned during the recent competition for the location of the General Motors Saturn auto plant, the Commonwealth's entire system of education needs a new, vigorous commitment of money, public participation and support to make every Kentuckian a winner.

In explaining Kentucky's loss as the site location for the Saturn plant, state commerce commissioner Carroll Knicely told KETV that, “The only single factor in which Tennessee had an advantage over Kentucky was the fact that Tennessee has already made over a billion dollar commitment, over a shorter period of time, for education and has started implementing that.”

The current Council on Higher Education (CHE) draft strategic plan for higher education calls for the development of at least one comprehensive institution nationally recognized for the quality of its scholarship, research and graduates.

The University of Kentucky is already charged with that mission by the CHE. A perusal of alumni publications of the past several years, or just a close look at this one issue of the alumni magazine, provides ample evidence that the foundation upon which to build such a renowned university here is solid.

But, as UK President Otis Singletary points out, “Rhetoric alone will not make UK a premier university. If the political leadership of the state really believes that Kentucky should have a major teaching-research university, then increased funding is necessary to support that goal.”

The academic program available at UK is indeed comprehensive and has been promulgated to meet statewide needs. Early in its history the state and UK chose to establish a public university according to the best traditions of American higher education with both a liberal arts curricula and a number of professional and applied programs that have rather specific vocational goals. The result today is a 43,000-student

university with its community colleges, Lexington and medical center campuses.

About 98 percent of UK's faculty has a Ph.D. or the highest degree attainable in their field. Outstanding teaching is recognized each year by the UK National Alumni Association in which 103 professors have been honored in the past 24 years. Just last month the whole faculty of the department of sociology was singled out by the American Sociological Association for recognition of its teaching excellence. What makes the award so unique is that it is the first time an entire faculty has been so honored. And, the sociology program faculty itself is an interdisciplinary team representing teaching assignments in at least seven other colleges or departments at UK.

Last year's UK freshman class had the highest average composite score on the ACT entrance exam of any class entering a public university in Kentucky. Furthermore, that class score was a full three points above average for all freshmen enrolling in college throughout the country. Though the figures are preliminary, this year's UK freshman class is even better when evaluated on the basis of the ACT mean score.

UK is the only institution in Kentucky listed among the federal government's top 100 recipients of research funds. Dr. Syad Nasser in the College of Engineering is one example and one of only a few professors in the country whose research has been funded continuously for 20 years. More recently, UK faculty were also granted patents in new concepts for administering drugs which received national media attention.

Services provided to the citizens of Kentucky by the various colleges are numerous. While some benefits can be measured directly by dollars and other statistics, other programs contribute generally to a better quality of life. Services range from the operation of the Center Information Hotline (1-800-4Cancer) to the Small Business Development Center; to clinics operated by the Colleges of Dentistry and Medicine, to the state's Agricultural Cooperative Extension Service.

Alumni of the university have also made their mark as leaders in business, science and industry, pioneers in space, ambassadors and exemplary human beings.

President Singletary urges all alumni to be better informed and to send the message. Join the others who have already spoken out. Write your legislators, talk to your local community leaders, generate support for higher education in the Commonwealth and for The University of Kentucky.

ONLY AT UK.

AT A TIME WHEN THE WORD "DUPLICATION"
AND THE RHYME "ELIMINATION OF DUPLICATION,"
ROLL FREELY FROM THE LIPS OF MANY OF THE
STATE'S EDUCATORS, FEW SPEAK OF RARITY,
MUCH LESS UNIQUENESS.

True to its location in the heart of the Bluegrass, the University of Kentucky in Lexington, as the state's principal institution, offers many degrees not available at the state's seven other public universities.

Some of the degrees, such as a master's in the classics, average only one to two graduates per year. Yet this department maintains a reputation as a training ground for those wishing to increase their knowledge of Latin before entering divinity and doctoral programs, throughout the country.

Overall, students enrolled in such special programs as toxicology, a science dealing with poisons and their diverse effects, are usually snatched by such major corporations as Eli Lilly and Colgate-Palmolive before graduation.

UK's Patterson School of Diplomacy is one of 12 schools in the country and the only one in the Southeast. Alumni of this school work with the foreign service, the CIA, international banking and third world development. One alumnus is in charge of foreign loans with the World Bank and another is with Nomura International, a Japanese banking company, as the only non-Japanese person in that company's management hierarchy.

Not only does UK rank "excellent" in graduate placement, but in faculty accomplishments as well. Outside their teaching interests, UK's faculty is known for their community service, published works and especially for their on-going research. During April the radiological science department spon-

sored an international conference on the use of neutrons in medicine. UK is the world's leading researcher in this area.

Representatives from Russia and Japan, the second leading countries in neutron research, attended along with those from the Netherlands and China. The conference promoted communication among 100 experts in a field where much of the work is done in secret.

Yosh Maruyama, a UK professor and promoter of the event, said, "The neutron is the most powerful form of radiation used. We're taking something found in bombs and using it in medicine and UK is the leader."

On a more local level, several of UK's faculty engage in important community service. Some of the interior design faculty acted as consultants for UK's newly opened Humanities Center and the restoration of Waveland State Shrine. Ralph Chrystal, the chairman of the rehabilitation counseling department, is also vice president of the local rehabilitation center, Metro Industries.

In the area of published works, UK's 23-member political science department consistently ranks top or second in the country in terms of productivity of its faculty. During the mid-sixties, under a state mandate to upgrade, the department recruited Stanley Ulmer, recognized as a world-wide authority on the Supreme Court. He is now a designated Alumni Professor. Another member, Malcolm Jewell, is recognized as a world-wide authority on the state legislature.

| IN ADDITION TO THE MANY DEGREES
OFFERED ONLY AT UK, THE UNIVERSITY
PARTICIPATES IN THE ACADEMIC COMMON
MARKET, OFFERING 30 DEGREES NOT AVAILABLE
IN 13 OTHER SOUTHERN STATES.

UK's Spanish department, only established as a separate department since 1967, ranks 18th in the nation according to a recent study. It is known for its research and recently John Keller known for his research on medieval Spanish literature, was knighted by the King of Spain. No more than five of these honors are granted by Spain in the U.S. each year and it is one of the highest honors given to a foreigner.

Of roughly 300 Sloan Foundation Fellowships awarded since 1970, seven are currently in UK's math department. The total would be nine had not one resigned because of illness and another been lured away by the higher pay offered at the University of Maryland. This department was upgraded through a million dollar grant from the Center for Excellence by the National Science Foundation in 1969. Since then it has risen in assessment of research-doctorate programs in the U.S. from the "also rans" in 1970 to a clearly established front-runner position. Now it ties with Texas as the second most improved department over the previous five years, behind only Utah.

In addition to programs with a specific faculty for each department, interdisciplinary programs, which allow one program to draw on the faculty from maybe 20 different departments, strengthen many of UK's degrees.

Kay Pasley, chairman of UK's early childhood department, which is one of 20 in the country, relies on the faculty of both the Colleges of Education and Home Economics. She mentioned Mark Wolery, a member of the special education faculty, for his nationally recognized work with children under the age of five in handicapped situations, as

a strong influence in her program.

"Our strength is drawing from other departments," she said. "It brings together two colleges who wouldn't have worked together otherwise."

Of the three other universities for which she has worked, Pasley said, "I have never worked with a staff as skilled as this one at modeling productive teaching skills for students."

In addition to the many degrees offered only at UK, the University participates in the Academic Common Market, offering 30 degrees not available in 13 other southern states.

Of 50 students involved in the program, which allows out-of-state students to pay in-state tuition, half are attracted to UK's library science program.

Debra Buckler, from Virginia, chose UK because it had the best tuition and its 36 hour program was one of the shortest. After working in the special collections section of the library, she feels she entered a quality program.

Timothy Sineath, chairman of the department, said UK makes a lot of effort to keep up with the new technology. The department recently had the first annual phonethon to raise money to buy microcomputers.

"It was very successful," he said. "We were able to make the difference between a quality program and one that's behind. Without the good support of our alumni, we would have been up a creek."

Definitely, UK offers a wide range of degrees not available at the other state universities nor in many other states as well. While most of the duplication among state universities occurs at the undergraduate level, UK offers degrees, such as those in landscape architecture,

metallurgical engineering and early childhood, not found elsewhere.

At the master's level, UK uses its undergraduate programs to strengthen its graduate levels. The radiological health science degree, only on the books for two years, has no graduates to date, but will be an important contributor to the master's level programs in medical physics and health speciality.

Donald Sands, UK's vice chancellor for academic affairs, said, "We're the flagship institution and the only one offering several programs. During the late sixties and early seventies, there was an idea that whatever a university suggested the state should try to fulfill it. Other institutions tried to move out and extend and that's the cause of much of the state's duplication."

UK is in the process of phasing out several undergraduate programs, such as entymology and rural sociology, but keeping the graduate level degrees.

"Necessary is the key word," Sands said. "We offer a lot of the same programs as other schools, but that doesn't mean each one of those programs is unnecessary."

"They are not a waste of resources. The courses make use of existing faculty, but allow students to develop expertise," he said.

"Hopefully, the state's policymakers in tackling the question of duplication, will remember that UK is not only unique for its master's level and doctorate degrees, but these upper level courses need a solid foundation, on which to build."

Emily Morse '85 wrote this story as a publications intern with the UK National Alumni Association.

PATENTS

BY EMILY MORSE

The University of Wisconsin put the Vitamin D in milk. The University of Florida quenched our thirst with Gatorade. Indiana University used to own the patent for Crest toothpaste.

John Bryans' rhinnophneumonitis vaccine, to prevent viral abortion in horses, is not commonly found in most households. It's not as easy to say either, yet it has been one of the University of Kentucky's most profitable and familiar patents for its importance to the horse industry.

Sold a few years ago to Ft. Dodge Laboratories, it no longer generates any money for the University, but as Jim McDonald, executive director of the UK Research Foundation (UKRF), points out, "It's not just the money. Patents are a way to get new ideas into public use.

"The whole idea of a patent, as recognized in the Constitution, is to provide the inventor with a legal monopoly for a limited time, as an incentive to motivation."

Three of the University's researchers in agricultural engineering have spent the past five years working with the mechanization of burley tobacco. The main goal of Linus Walton, Larry Swetnam and James Casada, has been not to make money, but ease the workload in a crop that is largely done by hand. They concentrated on making the machinery, which transplants, cultivates, sidedresses, sprays and harvests the crop, affordable to the small to medium income farmer. They also made the equipment applicable to more than one crop so it would be a better buy for the farmers.

In the manufacture of these machines, UK does not expect to rival the Massachusetts Institute of Technology's

basic patent for lasers, but the research is just as important. While the UKRF, which registers all patents, typically receives five to six a year, the areas range from agricultural engineering to new types of drugs and methods of drug dosage.

McDonald said, "Our patent program is essentially a break-even process, but it has supported additional research and financial compensation to the researchers."

As one of UK's important researchers, Bryans chairs the nationally and internationally recognized department of veterinary science in the Kentucky Agricultural Experiment Station. The department has developed vaccines for horse diseases such as influenza, viral arteritis, strangles and salmonellosis. Currently, Bryans is working with developing a vaccine to control the herpes virus.

Anwar Hussain, a professor of pharmacy, has 40 patents to his credit, 9 since coming to UK in 1974. He works with improving drug delivery. His main research concerns the nasal administration of compounds ineffective when used by mouth, that consequently must be injected.

Hussain said, "A lot of drug companies, large and small, are working in this area of drug administration, but we (UK researchers) laid the groundwork."

His patents in the area of nasal administration include a contraceptive for women and the drug propranolol (used in cardiac conditions). His most recent is important to chronic aspirin-users, like people with arthritis, who develop ulcers from taking three to four a day. It alters the molecular level so that aspirin loses its stomach-upsetting quality.

Currently, he is working with the na-

sal administration of peptides. He is interested in their potential as contraceptives for men, and for women as agents to control hypertension and as anti-cancer medications.

The problem is the body's natural ability to inactivate peptides, even when taken by nose. Hussain said when his research finds a way to overcome this problem, it will be a medical breakthrough.

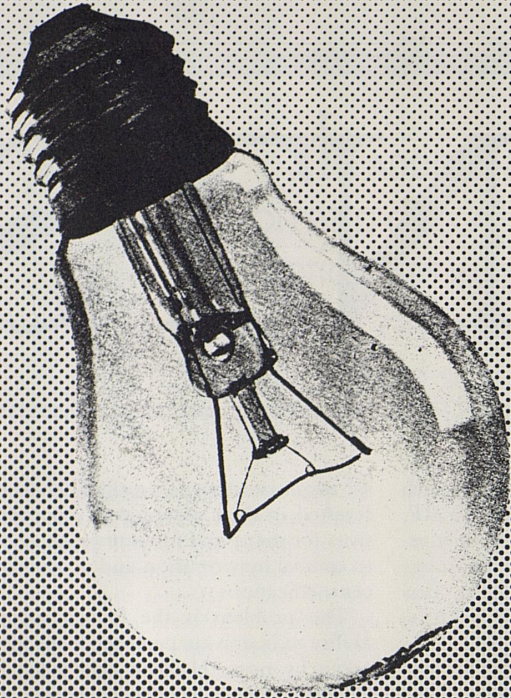
Many of his inventions have started paying off for the University. The University received \$75,000 in license fees last year, and expects more than \$100,000 this year, according to pharmacy dean Joseph Swintosky.

Hussain has been very successful in finding laboratories interested in testing his products. Once a drug receives a patent it must go through a series of expensive tests before reaching the stores. Hussain has been able to convince the companies because he worked with drug companies like Ayerst and Alza for 10 years before coming to Kentucky. He was vice-president of Interx in New York.

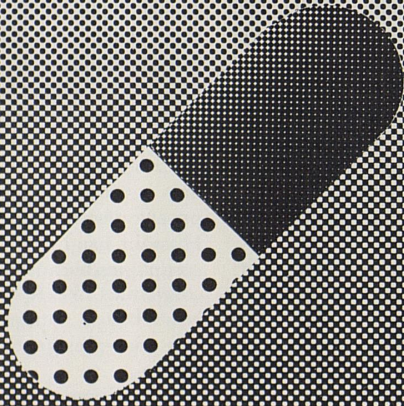
In addition to out-of-state opportunities for UK's inventors, Patrick DeLuca, a professor and associate dean in the College of Pharmacy, has received inquiries from Japan and Belgium concerning his new type of drug delivery.

The new system involves porous microscopic particles, called microspheres, which carry drugs to various parts of the body. Because they are porous, various drugs can be incorporated within them during the manufacturing process. Slow release of the drugs is one of the main advantages.

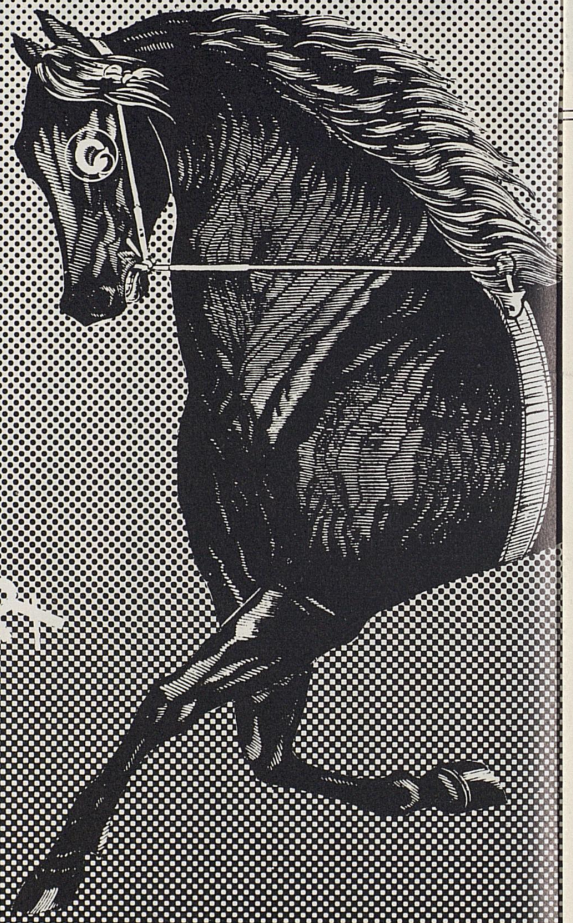
DeLuca said, "One great advantage of this technology is that the drugs can be targeted to specific organs and be



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**“THE WHOLE IDEA OF A PATENT,
AS RECOGNIZED IN THE CONSTITUTION, IS TO
PROVIDE THE INVENTOR WITH A LEGAL MONOPOLY
FOR A LIMITED TIME, AS AN INCENTIVE TO
MOTIVATION.”** *Jim McDonald, Executive Director, UKRF*

made to release in a controlled manner. Often, toxic drugs, such as those used in cancer chemotherapy, distribute throughout the entire body causing unwanted side effects. Targeting the drug could minimize or eliminate that problem.”

He visited Japan during May for a lecture and talked with a drug company interested in his product.

Before reaching international proportions, UK's inventions began with a parachute disreefing device in the mid-forties. Opening in 1946, the UKRF issued some of its first patents to Karl Lange, who was a professor in mechanical engineering and early director of the Wenner-Gren Aeronautical Laboratory on campus.

Although another of his inventions, the skin-fold caliper for measuring body fat is still in use, the area of patents is constantly being revised.

It can take two to five years and \$3,000 to \$6,000 to obtain a patent. That amount can double if the invention must be patented internationally because of translation fees and varying laws in other countries. Essentially, a patent functions the same, to protect the rights of the inventor, but the explosion of technology makes it more difficult to determine if an idea is new.

At UK the process starts with the researcher approaching the foundation's nine-member committee, composed of faculty from a variety of disciplines, including medicine, law and engineering. Although the committee usually decides much sooner, it has 90 days to determine if the University is interested in applying for a patent and incurring the expense. Usually, the idea is approved and sent to one of four patent attorneys employed by the University, based on their expertise in the area.

Ralph King '59, one of the University's patent lawyers, has a Washington office in addition to his Lexington one. After reviewing the committee's disclosure, he has the Washington office run a search about other proposals in similar areas.

“It usually takes about 30 days because of the backlog,” King said.

After determining the novelty of the idea, finally it is sent to the federal office along with a \$500 filing fee. The rest of the \$3,000 includes attorney, printing, and a variety of other fees.

Receiving a patent, however, is only half the work. Many tests must be run in the case of drugs to determine the safety of each.

Pankaja Kadaba, an associate research professor in organic chemistry, said, “Fifteen million dollars is a modest estimate to put a drug on the market.”

She is in the process of soliciting drug companies to test the 1, 2, 3, Triazole Anticonvulsant Drugs. They are a new type of anti-epileptic compounds she developed through a three year, \$90,000 grant from the National Institutes of Health.

In addition to the expense of marketing a drug, it can also take several years. King said, new legislation passed in the Drug Price Competition and Patent Term Restoration Act of 1984, would add five years to the life of a patent after proving a delay.

“It will also make it easier for generic drug manufacturers to enter the market. This will mean better price competition.”

Companies, like Eli Lilly, which are heavily involved in research usually bring out the new drugs, but the act also will allow the other companies to produce after the patent's expiration.

After the drug reaches the market, the researcher receives the long-awaited profits from his work. The money is split on a sliding scale with 60 percent of the first \$25,000 going to the researcher and the rest to the University. The University uses the money to pay expenses first. The second \$25,000 is split evenly between the researcher and the University. The next \$50,000, the researcher receives 40 percent and the University 60 percent. Any money over \$100,000 is split 30/70 between the researcher and the University.

The University money goes in a pool to support research, such as buying equipment or helping graduate students. UK's patent policy, last revised in 1983, is currently under revision.

McDonald said, “The revision is to include a provision earmarking a percentage of return to the area where the invention originated.”

Hussain feels this will enhance the growth in an area such as pharmacy that has already proved its potential in developing new ideas for the market place.

At UK, researchers in many different areas will be receiving the profits, because every day they stumble across new ideas. How many will make it through the patent process is unknown. The important thing is the University's involvement in research.

As King said, “It is exciting to see our University coming up with important inventions in many different areas that can help people in many different ways.

“It is exciting for the state of Kentucky to have scientists who are working on the cutting-edge of technology.”

Emily Morse '85 wrote this story as a publications intern with the UK National Alumni Association.

EXCELLENCE

One of the University of Kentucky's 13 Community Colleges has been selected as the number two community college in the nation. Jefferson Community College in Louisville only ranked behind the number one choice of Miami-Dade Community College in Florida.

Dr. Ron Horvath, who has been the director of Jefferson Community College since 1975, has been described as an innovative leader. He works in his shirt sleeves, appears relaxed and smiles a lot. Even better, he likes to laugh. He is a people person and it shows. In an interview with a reporter he stopped talking, almost in mid-sentence, and said "Now, what's your story? I'm sure that you have had an interesting life."

Just how did Horvath's leadership result in JCC being selected as a "Model of Excellence?" He stresses that he and the JCC faculty and staff did not set out to win an award. "We were just doing the best job that we know how to do—and that's what we'll continue to do."

Being selected as a "Model of Excellence" has created a lot of excitement on both of the JCC campuses with students and faculty. Horvath says that as delighted as they may be, they still have to deal with the ups and downs that are a part of everyday life—even for people who have received honors.

The selection came about as a result of a study on teaching excellence directed by Dr. John E. Rouche at the University of Texas at Austin.

Nomination forms were sent to 1,200 community, junior and technical college administrators across the country. About 800 replied and those replies were turned over to a panel for study.



“FIRST AND FOREMOST, SINCE 1978 JCC HAS BEEN ON THE CUTTING EDGE OF INNOVATION WITH OUR STUDENT RETENTION PROGRAM, WHICH FOCUSES ON TEACHING EXCELLENCE AND STUDENT ACHIEVEMENT!”

Dr. Ron Horvath

Director, JCC

LENCE

The 14-member, blue-ribbon panel was made up of people who are experienced in community college developments nationwide.

Horvath summarized the criteria included in the study as including adherence to the "open admissions" concept, imposition of high academic performance standards on students, evidence of strong administrative leadership and excellence of faculty members who focus their efforts on teaching.

He says that "First and foremost, since 1978 JCC has been on the cutting edge of innovation with our student retention program, which focuses on teaching excellence and student achievement." As a result of this nationally recognized program, the student retention rates have improved 15-20 per cent since the fall of 1978.

JCC was among the first colleges in the nation to do something concrete about the nationwide dropout problem. Their approach was unique. Rather than looking at the problem at the administrative or faculty point of view they decided to view the problems from where the student stood. Why were their dwindling enrollments, relatively low in-class retention rates, and high attrition rates from semester to semester? What did the students want or need that they weren't getting?

Looking at the school from the student viewpoint, and using Benchley, Maslow, and Sheehy as inspirations, they identified four distinct phases which provide a conceptual framework. Thus the evolution of the RRA Project (Recruitment, Retention, Attrition).

Four phases were identified and thoroughly examined and questioned.

The phases (and questions) are:

- ▶ *Pre-enrollment phase* - the time span up to the point at which a person calls or writes the college for information. What is the image of the college? Do our public relations efforts reach their intended targets? How should we organize our recruiting efforts? What impressions does a caller form when the switchboard operator answers the telephone? What are some creative approaches to encourage people to visit our campus?
- ▶ *College enrollment phase* - the time span from the first contact, either by letter or phone with the college to the time a student walks through the classroom door on the first day of class. How can our orientation and advising programs be improved? Can we reduce the time and red tape for registration? Should we modify our testing program?
- ▶ *Class attendance phase* - the time span from first class meeting to course completion or withdrawal. Do faculty adequately explain their policies and procedures to students? Do students understand? Are our classrooms physically conducive to learning? Does our faculty/staff development focus on needs? Do faculty receive enough data on their students? Can we improve in-class retention?
- ▶ *Post-class phase* - the time span from course completion or withdrawal to the beginning of the next semester. How can we be sure that students will return for the next semester? What are we doing for students on probation or suspension? What research data do we need?



Horvath said that this approach has given them the means to examine each part of the college as it relates to all other parts of the college. He said that "General goals and specific objectives can be established for each operation; responsibilities can be assigned or re-assigned; time-tables can be set; evaluative criteria can be designed—all in terms of one operation interacting with other operations."

He quotes Robert Heller in his book *The Great Executive Dream*: "All good management is the expression of one great idea." Horvath says that "the faculty and administrative staff of JCC have managed to express their collective 'great idea' through the RRA principle."



One of the results of the retention program has been five pamphlets compiled and written by JCC faculty. These pamphlets have been sent upon request to more than 1,000 colleges and universities across the country and have been published in several national newsletters. The pamphlets are titled *Full Classrooms: 95 Practical Suggestions to Guarantee Student and Teacher Success*; *Used Books: 54 Suggestions to Increase*

Library Use; *Jefferson Community College . . . May I Help You? Black Students—Special Problems/Special Needs for Retention*, and *Institutional Values*.

Someone once said that imitation is the sincerest form of flattery. If that's so, JCC is being flattered. The Alabama Community College System is adopting the entire JCC retention model for use on a state-wide basis.

Grants are an invaluable aid to the JCC programs. "Grants," Horvath said, "which help underwrite the cost of our high quality academic programs do provide a 'Margin of Excellence'." The college has received more than \$5 million in grants over the past 10 years, but, Charles Wethington Jr., the chancellor of the University of Kentucky Community College System, says that "JCC has done what it's done with a minimal level of funding."

JCC was one of 24 urban community colleges to win a competitive \$25,000 national grant from the Ford Foundation to assist transfer students. Horvath provided some bittersweet reasons of why the money was needed to help students transferring to larger schools. He said, "We loved them too much—we cared too much. They went to bigger schools and didn't know who to see, where to go." So JCC developed a program that transported them and guided them through the maze to counsellors and services and the personal contacts necessary for a smoother transition. Horvath said, "at least now they know where to go."

Philip Morris, Inc. provides a special scholarship program for returning adult students. They have contributed more than \$95,000 in the past three years to

assist almost 350 students. To be eligible for this scholarship, the student must be an adult who has been out of school for at least one year and, who is for some reason, ineligible for Federal money.

To help guide the returning adult student, JCC has CARES—College Re-Entry Services program. CARES also has received national recognition for the quality of its results.

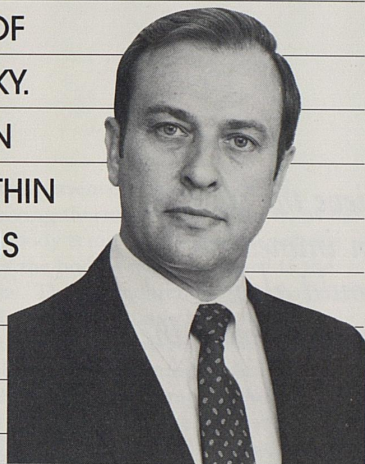
The supportive atmosphere, or "climate" as Horvath calls it, is not just limited to the students. It is something that the faculty also give one another. Sandy Hynes, an assistant professor of speech communication at the downtown campus, says that she received a complimentary note from another teacher after he overheard a student talking about how much he had enjoyed Ms. Hynes class. The climate at JCC promotes such camaraderie. Hynes said that support, rather than competition, from colleagues makes the staff more willing to share strengths and see weaknesses that can be improved.

Horvath credits the Teaching Improvement Project as instrumental in assisting the faculty since 1978. To help



“WE NEED TO BE REMINDED THAT THE COMMUNITY COLLEGE SYSTEM HAS BEEN NOT JUST INCIDENTALLY A PART OF THE UNIVERSITY OF KENTUCKY. UK PLAYS A POSITIVE ROLE IN SETTING A FRAMEWORK WITHIN WHICH SOMETHING LIKE THIS CAN HAPPEN.”

Charles Wethington, Jr.
Chancellor



administrators, faculty and staff do a better job of serving students, a series of about 30 workshops and seminars are held each year. The program provides confidential help for the faculty as well as direct assistance.

That Horvath likes his students is obvious. But a couple of them would have to be called favorites. One is a young man, who, after graduation from high school, went out of state to a large university. He tried, but leaving home for the first time is not as easy as most 18-year-olds think it is. So, he came back home and enrolled in JCC until he felt ready for the “big move.” The other is a school teacher with a master’s degree in Russian. She decided that she wanted a career change and enrolled in business courses at JCC. She now has a successful career in the business world.

These are typical stories of many of the people that attend community colleges. So why would they be Horvath’s favorites? Because the people involved are his wife and his son. He said, “If JCC isn’t good enough for the Horvath family, then it isn’t good enough for anybody else.”

The largest unit in the University of Kentucky Community College System,

JCC has a staff of 180 full-time faculty, 25 administrative staff and 100 classified staff. They are well prepared to handle most student needs.

Jefferson Community College opened in January 1968 in what was once the Presbyterian Theological Seminar. Around 800 students enrolled that first semester. Four years later the Southwest Campus opened making JCC the first multi-campus community college in Kentucky. Now there are 6,700 students enrolled at the two campuses. Both campuses are in desirable locations. The Downtown Campus is only four blocks away from the Louisville Galleria and the Southwest Campus is located off East Pages Lane.

In discussing the selection of JCC as the number two community college in America, Wethington stresses the positive roll of UK in setting a framework within which it is possible to win honors. Wethington said, “We need to be reminded that the community college system has been not just incidentally a part of the University of Kentucky. UK plays a positive role in setting a framework within which something like this can happen. The support is there and the leadership is there through the pres-

ident’s office and the board of trustees.”

He said that he takes great pleasure at JCC’s being awarded this honor—“and I want them to be recognized and to get full credit—but at the same time I think this honor reflects on our entire system. Examples of excellence can be found in every one of our colleges.”

As director of JCC, Horvath sets the tone through his expectations and faith in others’ abilities. As chancellor of the system, Wethington does the same. They have the same approach and both of them said, “. . . just let people do their jobs.”

Horvath says that “somebody’s got to be in charge—if I’m not here then somebody else has to make the decisions.” He expects that whomever has been left in charge in his absence will do whatever needs to be done on their own initiative.

Wethington said, “My responsibility is to work with the director of the college and provide help and support and guidance. I believe in hiring good people and expecting them to do the job.”

He says that one of the primary ways of keeping the community colleges together as a system are the meetings he holds about every six weeks with the 13 community college directors. Those meetings are, he says, “a key element to our success.”

That their approach works is obvious. It’s wonderfully simple. Just find good people. Care about them. Treat them with respect. And let them do their jobs.

Kay Johnson is a senior in the School of Journalism and an intern with the UK National Alumni Association.

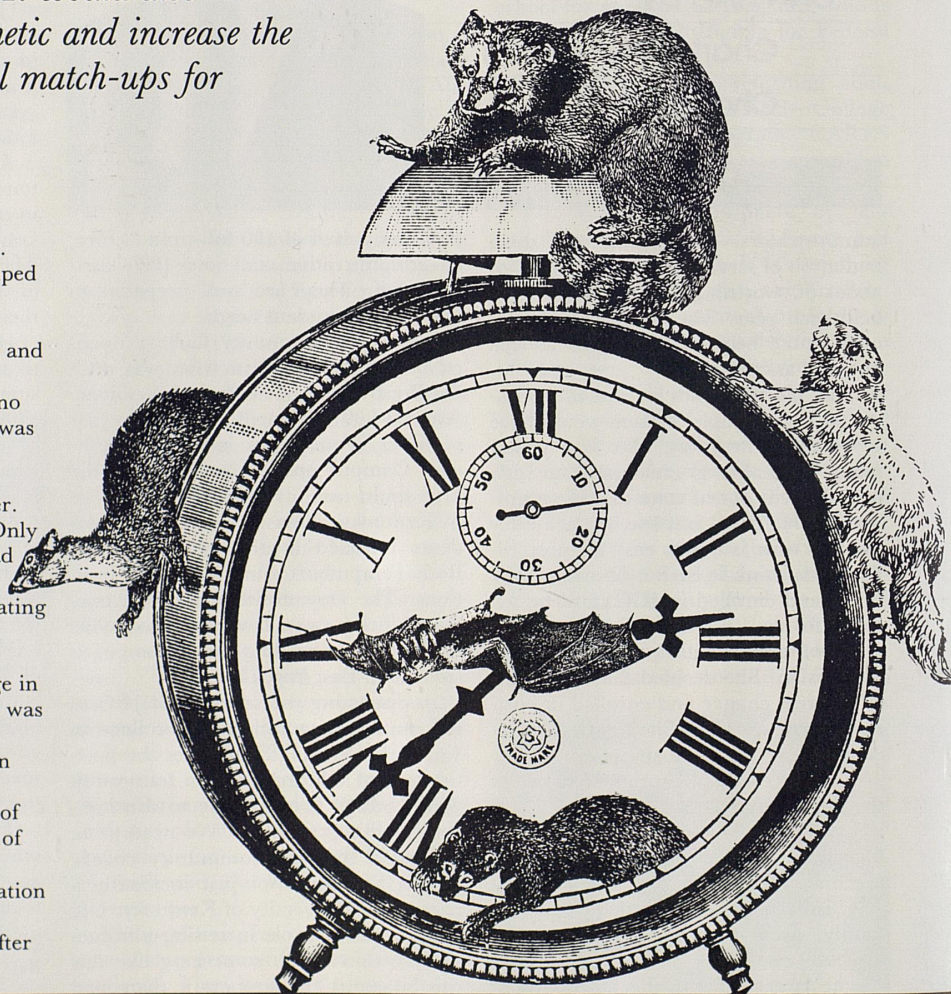
The Hibernat

If humans were able to achieve the state of hibernation, it could mean an immediate cure for sleep disorders. It would also provide a natural anesthetic and increase the possibilities of successful match-ups for organ transplants.

Something pulled the trigger. The small, furry body slumped forward and rolled into a tightly curled ball. The woodchuck's respiration, heart rate and body temperature dropped dramatically. Although there were no visible signs of life, the woodchuck was indeed alive. It had entered an artificially-induced state in order to survive the scarcity of food in winter.

Dr. Peter Oeltgen was hooked. Only moments before, the woodchuck had been squirming furiously as it was injected with plasma from a hibernating ground squirrel. Something very powerful and very miniscule in the blood was responsible for the change in the animal's condition and Oeltgen was going to identify it. He named the unknown substance the Hibernation Induction Trigger (HIT).

Oeltgen, UK associate professor of pathology and toxicology and head of the chemistry section in Pathology Services at the Veterans Administration Hospital, became involved in hibernation research in the 1970s after being invited by Loyola University



ation Trigger

By Tawny R. Acker

physiologist Wilma Spurrier and U.S. Navy physiologist Albert Dawe to join their research team.

Spurrier and Dawe had begun their research in the late 1960s. Prior to their work, hibernation was basically a phenomenon for descriptive speculation. Some scientists considered it nothing more than a reaction to the cold and a throwback to cold-blooded ancestry. There was even debate as to which animals were true hibernators.

Now a generally accepted scientific definition of hibernation is that it is a unique phenomenon in which the entire animal participates. This means that each organ at tissue level may be capable of entering the hibernating state in which energy expenditure and food consumption are minimal.

Ground squirrels, woodchucks, brown bats and European hedgehogs are the four major groups of animals which are considered true hibernators. That is, the animals' core temperature drops approximately 30 degrees until body temperature is only one or two degrees above that of their environment. Their heart rate slows from as much as 100 to 150 beats a minute to one or two beats a minute. For instance, bats whose summer active heart rate while in flight is over 1,000 beats per minute, slows in hibernation to less than 10 beats per minute. Respiration also slows and oxygen consumption decreases. Hedgehogs, for example, can continue to live without taking a breath for 150 minutes. During hibernation the animals have no urine formation and no protein catabolism.

As the animals enter hibernation,

they experience something called shivering thermogenesis. That is, as the core body temperature drops, it drops from the body's trunk outward to the limbs. This phenomenon is very similar to the way a human's body reacts as part of the symptoms of hypothermia, the often deadly condition which occurs as the body's core temperature drops and the heart fibrillates. However, in animals experiencing thermogenesis, the heart does not fibrillate.

It is a crucial distinction in the way the bodies of hibernators and non-hibernators respond to the same internal conditions. Whatever chemical or hormonal substance that allows hibernators to exist in the neutral state between life and death also gives their bodies resistance to tumor formation and provides a natural anesthetic which deadens their reaction to pain. During hibernation, the animals can sustain twice as much exposure to radiation without harm and organs removed from the animals can exist for transplanting purposes nearly twice as long as those taken from the animals during an active period.

In these terms, hibernation does seem to possess the mythical qualities attributed to it in Rip Van Winkle and Sleeping Beauty—prolonged sleep, without any disturbing side effects, except the loss of time. And the implications for humans are staggering.

If humans were able to achieve the state of hibernation, it could mean an immediate cure for sleep disorders. It would also provide a natural anesthetic and increase the possibilities of successful match-ups for organ transplants. Exposure to higher doses of

radiation without side effects could have positive effects for cancer victims. And certainly weight loss and gain could be more easily controlled.

Although these are only speculations based on current research, scientists are not ignoring them. In fact, they are actively working toward their realization. A Stanford University neurophysiologist is studying the connections between sleep, warm-bloodedness, and hibernation. A physiologist from University of California at Davis is interested in applying the information from hibernation research in controlling weight.

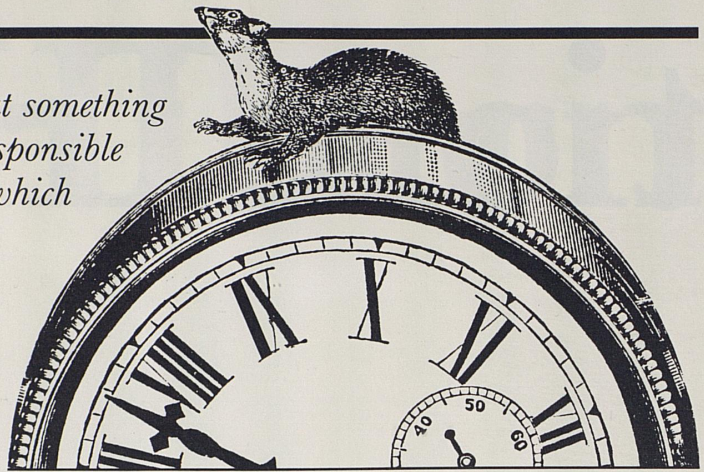
Oeltgen says it is now a matter of identifying what triggers hibernation in these animals and how the substance can be transferred, refined or recreated in other animals before the speculations can become reality.

He is perhaps the researcher closest to identifying HIT. The odyssey began nearly two decades ago with the work of Dawe and Spurrier and the addition of Oeltgen and Dr. Robert Meyer, now a professor at the University of North Carolina.

In 1968 Dawe and Spurrier decided to search the blood of hibernators for an agent that might be responsible for the regimented periods of activity and sleep which characterize hibernations.

They carefully extracted blood from a hibernating ground squirrel as it slept in a hibernaculum—a cold laboratory constructed to resemble a natural environment. The extracted blood was then injected into two summer-active ground squirrels, which were also placed in the hibernaculum. Within 48

The scientists had demonstrated that something in the animal's blood was clearly responsible for triggering the chemical reaction which caused hibernation.



hours, the active squirrels were hibernating.

The following summer, Dawes and Spurrier continued their research using more animals. This time, 23 active squirrels were injected with blood drawn the winter before from hibernating squirrels. Three squirrels were also injected with blood from hibernating woodchucks. Within 52 days, the squirrels injected with woodchuck blood and 20 out of 23 squirrels injected with squirrel blood were hibernating.

The scientists had demonstrated that something in the animal's blood was clearly responsible for triggering the chemical reaction which caused hibernation. Oeltgen then dubbed the substance HIT and delved further into the identification process.

From earlier experiments, Oeltgen knew the substance was in the plasma of the animals. He began to methodically test the small molecules from the plasma of hibernating animals. Active animals injected with the plasma containing the smaller molecules did not hibernate. This indicated that HIT was somehow a part of a larger molecule.

Further experiments showed that HIT was indeed a part of a larger molecule and somehow bonded to the blood protein albumin. Oeltgen's current research is aimed at isolating HIT from albumin on a molecular level. This requires separating albumin into fractions and testing each fraction for HIT activity. He is particularly interested in analyzing the specific amino-acid sequence of HIT. His research toward that end is being

financed by a genetic-engineering firm.

"We are trying to make headway in fully identifying the molecules in HIT," Oeltgen said. "When we do this the clinical applications will follow."

Perhaps the most dramatic experiment in HIT research recently occurred when Oeltgen, Dawes, and Meyers injected the albumin-bound HIT into a rhesus monkey.

"The change from testing rodents to primates might seem like a large jump, but Meyers had the monkeys and I had the molecules, and it seemed like a good opportunity to observe the reaction on an animal closely related to man," Oeltgen said.

The researchers injected a blood protein from a hibernating squirrel into the ventricular space near the monkey's hypothalamus which controls body temperature and heart rate.

Within 15 minutes, the monkey began responding. Suddenly it shunned food and began to yawn. Its eyelids became heavy and it began to gag. And it fell into what appeared to be a deep sleep. But it was no ordinary sleep. The monkey's body temperature dropped several degrees, and its heart rate decreased by half.

Although the researchers will not say that the monkey hibernated, they agree that these changes are those usually experienced only by hibernators. "By definition a true hibernator's heart rate decreases to almost nothing, and the core temperature drops to an ambient temperature and the monkey's did not," Oeltgen said. "But it would have been interesting to see what would happen if we could have given repeated tests."

An important observation the researchers gleaned from this experiment was that the HIT effect on the monkey resembled the human response to an opiate or an opium-based drug such as morphine.

Repeating the experiment with several monkeys, the researchers observed the same results. Following this clue to the identity of HIT, Oeltgen dosed some of the primates with naloxone, an opiate blocker that halts the brain's receptors to the opiate. The injected monkeys abandoned their hibernation-like sleep almost immediately.

Oeltgen says the implication is that the trigger somehow activates the brain's opiate receptors directly or indirectly. And he speculates that HIT is an opiate-like molecule or a neurophomone that causes the brain to manufacture opiates. However, this is only a theory, but one Oeltgen hopes to test.

More importantly, these experiments removed the research from the realm of strictly hibernating animals and their habits. "For the first time our research demonstrated that the HIT molecule can exert a profound effect on a non-hibernating model, the primate, without any life-threatening effect," Oeltgen said.

"Whether or not the benefits we observe in the hibernators will prove useful to man still remains to be seen," Oeltgen said. "But the indications are positive and the implications profound."

Tawny Aker is a writer with the UK Research Foundation and its magazine, "Odyssey."

C L A S S N O T E S

1910s

Lester O'Bannon '15 began his teaching career at UK in 1920 and later became head of the mechanical engineering department and a research engineer at the UK College of Agriculture. In 1946 he moved to the University of Michigan. In 1948 he joined the faculty of Texas A&M where he remained until his retirement in 1964. He lives in College Station, Texas. O'Bannon is 91.

James F. Corn '16 is an honorary Cherokee Indian. A resolution passed by the Eastern Band of Cherokees in Cherokee, N.C., acknowledges Corn as a "friend and a student of Cherokee history for many years." Corn has written several books related to Cherokee history, the most notable of which is *Red Clay and Rattlesnake Springs*, which is a history of the Cherokee Indians in a land now known as Bradley County, Tenn.

1920s

Elbert DeCoursey '24 received the Alamo City Ophthalmology Resident's Association Award for his lifelong work with pathology of the eye. He is also a major general in the U.S. Army. In his parallel careers, DeCoursey helped establish the registry of pathology at the Armed Forces Institute of Pathology as a repository of pathologic specimens from all over the world. There are very few ophthalmic pathologists practicing today who have not spent some time at the AFIP. He has influenced such names as Helenor Wilder and Lorenz Zimmerman. In addition to his work with the AFIP, he also served as a consultant in eye pathology to the Bexar County Hospital District and as clinical professor of both ophthalmology and pathology at the University of Texas Medical School from 1970 to 1983.

1930s

Kenneth R. Hopperton '33 proved nothing is impossible when he traveled 2,000 miles from Kentucky to Los Angeles on \$25. He wanted to see the 1932 Olympics and neither the Depression nor lack of money stopped him. Through hitchhiking, riding freight trains, and going hungry, he achieved his goal. Of course, when he arrived he couldn't afford the \$22 admission price, but his luck prevailed. When a generous man from Hollywood with an extra ticket saw his UK Wildcat jacket, the man figured Hopperton had come a long way and gave it to him. The next days he met up with some of his railcar buddies and they lived on nickle-a-dozen oranges and penny-a-pound peaches and counted on college-age ushers to sneak them through the gates. It was an unforgettable experience that he has chosen to share in a 19 page book entitled, *From Crittenden, Kentucky to Los Angeles on a Shoe String*. He hopes the book will be a lesson to other youths, that with goals, nothing is impossible. Hopperton, who graduated with a degree in mechanical engineering and has retired after 20 years as an engineer for the U.S. Department of Agriculture, intends to give any profit he makes to World Missions. Copies of his book may be obtained by writing to him at either his summer address of Box 563, Mancos, Colo. 81328 or Sunridge Apt. #6-107, 1666 S. Extension Rd., Mesa, Ariz. 85202.

John W. Christopher '36 has been honored through the establishment of a memorial scholarship at Quinnipiac College in Connecticut. He was a pioneer in the field of Human Factors in the American aerospace industry, working on most of the important U.S. space projects of the 1960s and '70s. He worked with the Apollo program and the Space Shuttle, and originated the concept of training astronauts in



huge water tanks to simulate the weightless conditions of outer space. All U.S. astronauts are now trained in this manner. He earned his bachelor's degree at UK and after serving in the U.S. Navy in World War II, returned to work toward his graduate degree. He completed all the work except the actual writing of his thesis, because he left for a job in private industry. When UK's Neville Hall psychology building burned, all of his apparatus and data were destroyed. A long-time resident of New Orleans, La., he was the only individual licensed to practice psychology who did not possess an advanced degree. He retired from Chrysler Corporation Space Division in New Orleans in 1972, and was an independent aerospace consultant from retirement until his death April 19, 1984.

William Carigan '38 has taught English at Utah State University for 20 years. Before teaching, during his career as a lieutenant colonel in the U.S. Air Force, he flew airplanes. He has combined both careers by writing books. He wrote his first novel, *The Flying Game*, to tell the true story of the American bomber pilots in the war. He said of the many books written about flyers and flying, none were written by a pilot. His accurate details led one reader to remark he thought he could fly a B-24 just from reading the book. During the war, Carigan served as an industrial chemist, but stayed after the war because he enjoyed flying. In the Air Force, he lived around the world in Germany, England, Iceland, Iwo Jima and worked with the Pentagon. Whenever he was stationed near a university he continued his education through night

classes, but he abandoned mathematics and chemistry for literature. He began seriously writing when he was stationed at Hill Field and started taking English classes at USU. Members of the English department read some of his short pieces and through their encouragement he has published numerous short stories and two novels. His second novel, *Staves for Louisville*, he wrote because "nobody else would." It concerns the south-central hill country of Kentucky where he grew up. He calls the area some of the poorest country in the world and says nobody had ever written about it until he did. Centered around a family of tobacco farmers during the Depression, it is a story about people and the poverty, as well as love. Currently, he is working on his third novel, now that he has been retired since June.

Ernest C. "Moose" Hardin '39 of Albuquerque, NM, has received the Sigma Chi Fraternity's highest honor for outstanding achievements in his professional field. Hardin was honored for his successful United States military career of more than thirty years, retiring as a lieutenant general from the U.S. Air Force. He was recognized for his appointment in 1979 to organize research and development activities for the Department of Energy at the Albuquerque Operations Office, which designs, develops and produces nuclear weapons for the Department of Defense; and his current position there as assistant to the manager. He also was honored for his previous service with the Energy Research and Development Administration which was later incorporated into the Department of Energy, where he was director of the internal review office.

Dorothy Edwards Townsend '39 was awarded the Salvation Army's William Booth Award, the highest honor given

to a lay person. During 17 years of involvement, she served as secretary to the advisory board for 15 years and has also been active in the auxiliary. She taught in the high schools of Lexington and Fayette County for 25 years. Since her retirement she has spent some time in writing and has had three books published.

1940s

James S. Dinning '43 has been awarded an honorary D.Sc. degree, by the University of Arkansas in recognition of his leadership in biochemistry and nutrition. The university awards only one honorary doctorate per year. Dinning is retired from the faculty of the University of Florida.

Bob Conway '43 has been awarded the North Carolina Museums Council's 1984 silver cup for "outstanding service to the museum profession." During 25 years with the division of archives and history, Conway has been manager of two state historic sites and is now serving as an education specialist and crafts curator at the new North Carolina Homespun Museum. An Ashland native, he was with the 66th Infantry Division in Europe during World War II.



Clemont H. Bruce '48, '49 a Dallas consulting geologist, has been elected vice president of the 44,000-member American Association of Petroleum Geologists. After graduating from UK, Bruce joined Magnolia Petroleum Co., now a part of Mobil Oil Corp., and worked in various locations and capacities in exploration geology until leaving Mobil in 1985 to form his own consultancy.

James Merle Howard '48, '49 has retired from the faculty of Illinois State University. An assistant professor in the College of Education, he has been at ISU since 1967. Before going to ISU, he was superintendent of schools at Illiopolis, a community near Decatur.

J. W. Frasure '48 is a senior consulting engineer for the Dow Chemical Company. This is a position that is achieved by very few individuals in the company. Frasure is recognized for his efforts in representing Dow in contacts with clients of the Dow Engineering Company and also for his recent work on the National Electrical Code revision. He began his career with Dow in 1957.

Charles Whaley '49 is the executive director of the American Lung Association of San Francisco. Prior to this position, Whaley was the director of communications for the Kentucky Education Association (KEA). Whaley was education editor for the *Courier-Journal* before joining the KEA staff in 1964.

C. Vernon Cooper '49 is a bank president in Hazard who has become a world renowned mountain climber. His passion for mountains has taken him to France, Switzerland, Iceland, Argentina and Antarctica. In 1979 he climbed the highest peak in the Western Hemisphere, Argentina's Mount Aconcagua. Cooper also once joined an expedition to Greenland and spent a month traveling the back country by dog sled.

Herbert Fogel '49, '54 has retired from Lockheed Missiles and Space Company, Inc., after spending over 26 years with them as an aerospace engineer in various technical and management positions. He and his wife live in Felton, Calif., where they are members of the Northern California Round Dance Teachers Association and have formed and maintain two Round Dance Clubs. In addition, they cue the rounds for a square dance club.

1950s

Lyle N. Back '50, '62, associate dean for undergraduate affairs and admissions in electrical engineering, was honored by the Institute for Electrical and Electronic Engineers (IEEE) in recognition of his involvement in student counseling and supervision of student activities. He has been an active member of the IEEE for 30 years, a professor since 1955, and an associate dean since 1980.

Grover W. Vickers '51 has been selected by the Marquis Who's Who Publication to have his biographical record published in the 19th edition of *Who's Who in the West*. He has been the Director of Computer Services since 1978 and is active in several professional organizations. He is interested in cross country skiing, hiking and fishing. Vickers lives in Lakewood, Colo. He is a Life Member of the UK National Alumni Association.

Robert C. Deen '51, the director of the Kentucky Transportation Research Program at UK, has been named chairman of the committee on publications for the American Society for Testing and Materials. The ASTM committee issues hundreds of specifications and test procedures as well as journals and technical publications with a budget of nearly \$10 million annually. The ASTM has a membership of about 30,000 engineers and scientists and distributes materials throughout the world.



Irene Harris McCracken '52 is becoming a funeral director with Bullock Funeral Homes in Erlanger-Ludlow

Hebron. After graduating with a bachelor's degree in education and a triple major in business education, physical education and driver training, she taught high school for six years in Erlanger, one year in Louisville and 25 in Edgewood. She worked part-time at Bullock's for more than three years and retired from teaching in August 1985. She is a life member of the UK National Alumni Association and a member of the board of trustees of the Northern Kentucky UK Alumni Club.

E. B. Gaither '52, of the American Engineering Co., has been named chairman of the highway committee of Kentuckians for Better Transportation. The committee is reviewing local and state road and highway conditions and the adequacy of revenues to maintain local and state highway systems.

Perry J. Ashley '53, a faculty member at the University of South Carolina, has dedicated his *Dictionary of Literary Biography, Vol. 29, American Newspaper Journalists, 1926-1950*, to Niel Plummer of Lexington. Ashley, a native Kentuckian, dedicated the volume to Plummer who taught journalism at UK from 1929 to 1972 and served as director of the school from 1951 to 1965. Ashley is a former UK journalism professor.

Ralph Beard '54 is among five sports legends selected for induction into the Kentucky Athletic Hall of Fame. The new members also include Muhammad Ali, Wes Unseld, Frank Beard, and B. A. "Ben" Jones. Beard began his basketball career at Louisville Male, was a two time All-American at UK in the late '40s, a member of the 1948 Olympic gold-medal team, and the Indianapolis Olympians in the professional ranks. He is vice president and general manager for Kauffman Lattimer in Louisville. Basketball is not the only sport in the Beard family. Ralph's half-brother Frank, became dominant in another sport—golf.



Jacquie Tinsley Planck '54 is an elementary principal in the Greater Clark County School Corporation in Jeffersonville, Ind. After earning her bachelor's degree from UK, she received her master's degree from the University of Louisville in 1960 and her doctorate in educational leadership at Vanderbilt University in 1985. She is a member of Chi Omega sorority and resides in Prospect.

Peg Apking Rhodes '55 of Atlanta, Ga., was honored as the number one engineering products sales representative in the U.S.A. for the Xerox Corporation, Engineering Products Division. Rhodes received the award at the President's Club Awards trip in Maui, Hawaii. When she joined the engineering division 12 years ago, she was the first female in the U.S. hired in the division. She and her husband, John E. Rhodes, are on the board of directors of the Greater Atlanta Area UK Alumni Club. She is a Chi Omega and he is a Sigma Nu alum.

William Corbin '55 has been re-elected an officer of the National Exchange Carrier Association, Inc., which prepares and files access charges for the nation's more than 1,500 telephone companies. Corbin is the vice president of tariff, cost and regulatory matters. Prior to joining the association, he worked for 25 years with the Mountain Belle Telephone Company in Denver. He and his family live in Brookside, N.J.

Shirley Meece '55, professor of English at Campbellsville College, was among 17 faculty members from around the country to attend a week-long

national workshop on story telling in Arkansas in May. Meece studied "The Christian Message and Story Telling" at the workshop at John Brown University in Siloam Springs, Ark. She has been a member of the Campbellsville College faculty since 1965.

Thomas McCrystal '59 has been awarded a faculty grant from Capital University's Fund for Research, Scholarship and Creativity in Columbus, Ohio. McCrystal, who is professor and chairman of Capital's psychology department, will use his grant to research the "Effect of Referential-Value of Random Patterns, Exposure Time and Inter-stimulus Interval on Recognition Memory."

Delos McKown '58, head of the philosophy department at Auburn University, recently had his first novel, *With Faith and Fury*, published. He said his book is an attempt to fictionalize his thoughts about church-state relations and the feud between science and religion in contemporary America. In the book, he writes about the upland and lowland Southern Christians chewing tobacco and spitting 'ambeer' while they quote the Bible at each other. He drew heavily on his experiences in Jackson ("Bloody Breathitt") and rural areas of Harrison County in writing the novel. He hopes the text will be used as a collateral text in philosophy, sociology or psychology of religion classes. One reviewer said, "Readers who cannot accommodate a hard, and yes, maybe even a rude, look at some of the follies of our evangelical brothers and sisters will find this a hard book to live with."

McKown plans to write two more books dealing with additional aspects of philosophy and religion. He has been an AU faculty member since 1962. He was named acting head in 1971 and became head of the philosophy department in 1972. He earned his bachelor's degree in fine arts from Alma College, and another bachelor's degree from the Lexington Theological Seminary. He has a certificate

in theology from the Graduate School of Ecumenical Studies in addition to his master's degree from UK. He has a diploma in Marxology from the University of Geneva and a doctorate in philosophy from Florida State University.

J. Dudley Herron '58, a professor of science education at Purdue University, has been named Outstanding Science Educator for 1985 by the Association for the Education of Teachers in Science. Since 1965, he has worked with developing the curriculum for students in junior high through college, and lectured extensively. He has published more than 50 articles related to chemical education, and wrote "Understanding Chemistry: a Preparatory Course," as a test for underprepared college students. He served on the editorial board of the *Journal of Research in Science Teaching*, and edited a column in the *Journal of Chemical Education*. He has received the Outstanding Teaching Award from the Department of Education at Purdue and the *Journal of Research in Science Teaching* award for the most significant article in 1977. In 1983, he was awarded the Chemical Manufacturers Association's Catalyst Award for teaching. He is a member of the National Science Teachers Association, American Chemical Society, and is a fellow of the American Association for the Advancement of Science. He has served on the executive board of the National Association of Research in Science Teaching and the Indiana State Science Advisory Committee. He directed the National Science Foundation's Institute of Chemistry Teachers.

George F. King '59, president and chief executive officer of Kirby Building Systems, recently purchased Kirby from AI International, a diversified, private holding company. Kirby is the seventh largest manufacturer of pre-engineered buildings in the U.S., serving customers in 37 states from its Tennessee facility.

Harry R. Honaker '59, a colonel in the U.S. Air Force, has been decorated with the third award of the Meritorious Service Medal at Hickam Air Force Base in Hawaii. He is director of engineering and construction with headquarters, Pacific Air Forces.



Judith C. Rollins '59, associate professor and head of family and child development at Kansas State University, has been named professor and dean of home economics at East Carolina University, Greenville, N.C. Rollins, who has been at K-State since 1979, will assume her new duties August 12.

1960s

Donald M. Mattox '60 has been elected president-elect for the American Vacuum Society. Since 1961 he has worked at Sandia National Labs in Albuquerque, N.M. In 1966 he became supervisor of the surface metallurgy division. He has worked on solar coatings, wear- and erosion-resistant coatings, thin film metallization and the influence of low-energy ion bombardment on the properties of surfaces and films. His most recent efforts have been on the development of coatings for fusion reactor applications.

Tommie E. Flora '61, '63, director of the office of environmental health of the Indian Health Service's Bemidji Program Office, was honored as the U.S. Public Health Service Engineer of the Year at a program sponsored by the National Society of Professional Engineers. He directs a program aimed at improving the living conditions and quality of life

for 29 tribal groups in Michigan, Minnesota and Wisconsin. Indian Health Service activities he manages includes, design and construction of sanitation facilities and provision of engineering expertise in the operation and maintenance of sophisticated water and wastewater treatment systems. He also oversees the provision of technical assistance in biomedical engineering, community injury control, occupational health and safety and general sanitation. He earned his bachelor's degree in civil engineering and his master's degree in sanitary engineering.



Charles A. Mays '61 has been elected president and chief executive of H. J. Scheirich Co., a privately-held, Louisville-based manufacturer of kitchen and bathroom cabinetry. Formerly a managing partner of Deming, Malone, Livesay and Ostroff accounting firm, Mays specialized in counseling closely-held companies. He worked for Scheirich from 1969-1979, serving as the company's chief financial officer and was a member of the board of directors from 1976-1979.

Jay Spurrier '61, chairman of the Kentucky Harness Racing Commission, has received the 14th Annual Presidential Award from the Kentucky Harness Horse Association, based in Louisville. Spurrier has been chairman of the Kentucky Harness Racing Horse Commission for the past eight years. In addition, he serves as second vice president of the National Association of State Racing Commissioners, and will be the first harness racing official to become president of that organization which represents all aspects of the horse industry.

Roger L. Meredith '62 is the senior pastor of the Mt. Healthy Christian Church (Disciples of Christ) in Cincinnati.

Barbara S. Kraus Beals '62, '67 is assistant director of medical therapeutics, at the Ortho Pharmaceutical Corporation. Dr. Beals joined Ortho in 1977 and has progressively assumed positions of increasing responsibility within the medical department. She is a resident of Pittstown, N.J.

Hans H. Fischer '62 has been appointed a corporate counsel in the law division at B. F. Goodrich. Formerly assistant corporate counsel, he joined Goodrich in 1974. A native of Germany, Fischer holds law degrees from the University of Heidelberg (Germany) School of Law, the University of Basel (Switzerland) and the University of Akron. He received his master of arts degree from UK. He is a member of the American Bar Association, the Ohio Bar Association and the American Society for International Law. Fischer lives in Akron, Ohio.

C. Hale Cochran '63 is a senior consultant with Fenwick Partners, an executive search and management consulting firm with a specialty practice in high technology. He has an MBA (Executive Development Program) from the University of Rochester and is active in several personnel and industrial associations.

Nancy Loughridge Green '64 was named the *College Media Adviser's Distinguished Business Adviser for 1984*. She is the first woman to receive the award in the organization's 30-year history. Green, general manager of *Texas Student Publications at The University of Texas at Austin*, is the former student publications adviser at UK. She was named *Distinguished Newspaper Adviser* by the same organization in 1976, while she was adviser to the *Kentucky Kernel* at UK. She has received numerous other awards for her work with student

publications including the *Columbia Scholastic Press Association Gold Key*, *Journalism Education Association Medal of Merit*, *National Scholastic Press Association Pioneer Award*, *Southern Interscholastic Press Association Distinguished Service Award*, *Ball State University Journalism Alumni Award*. She was named *Kentucky's Outstanding Young Woman of the Year* by the *Outstanding Young Women in America* program, served as president of *College Media Advisers from 1979-83* and is listed in *Who's Who of American Women*. Active in community work, Green served two terms as president of the *Manchester Center* and currently serves on the boards of *United Action for the Elderly* and *Austin Women's Center in Austin*.

Wayne P. Jones '64 is senior vice president of marketing for Chi-Chi's, Inc., franchisor of family-style Mexican restaurants. He is responsible for all marketing, research and development, and new business development activities. Prior to joining Chi-Chi's in 1984, Jones was with Casa Gallardo Mexican Restaurants, Arby's, Inc., and the Kentucky Fried Chicken Corporation.



Gail Davidson Mobley Snyder '65 has been named director of sales and marketing for Richmond Place, a 175-unit retirement community in Lexington. She was a partner in PAT Travel Agency for eight years prior to joining Richmond Place. Active in the community, she has been a member of the Lexington Mounted Police Commission, Kentucky Horse Park Advisory Board, Rolex Kentucky International 3-Day Event, and on the board of directors for the High Hope Steeplechase.

Shyamal K. Majumdar '65, professor of biology at Lafayette College, has received a grant of \$49,800 from the Pennsylvania Power and Light Company to continue observation of the effects of limestone application on acid-stressed lakes. Acidity in lakes, a particular problem in the Poconos, the Adirondacks, and parts of Canada and Europe where the soil lacks the ability to neutralize the acid, is thought to be a result of acid precipitation, caused at least in part by sulphur dioxide smoke. During earlier studies, Majumdar discovered that the bacterial population in the acid-stressed lakes is very low. He said the bacteria are important to break down mineral nutrients and without the bacteria, the life cycle is somehow interrupted.

Richard S. Marsh '66, '69 is the assistant administrator of the Florida Christian Center in Jacksonville. The center is a continuum-of-care retirement community serving 450 people.

Larry E. Wright '66 is a senior architect for the firm of Luckett and Farley, Louisville.

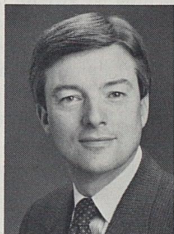
Douglas P. Blankenship '66 is the president and owner of Pacific Coast Development, a development and building company. His biography appeared in the 1984 *Who's Who in the World*, and the 1984 *Who's Who in Finance and Industry*.

Richard G. Wilson '66 has been named chief of the expanded Bluegrass Bureau of the *Louisville Courier-Journal*. For the past 15 years, he has been a member of the paper's Frankfort bureau, specializing in higher education. Prior to joining the *Courier* in 1967, he was faculty adviser to *The Kentucky Kernel* and a part-time journalism instructor at UK. As a UK student he was managing editor of *The Kernel*.

Anne Miller West '66 is now an elementary principal at Clark School in Whiteland, Ind.

John Knox Rafferty '66 is the mayor of Hamilton, N.J. He is married to Doris Tramtano Rafferty.

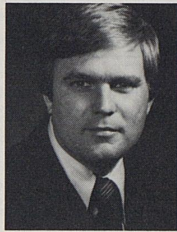
Brady J. Deaton '66, '68, a professor of agricultural economics, is the associate director of international development at Virginia Tech. He went to Virginia Tech in 1978 after serving as staff director of the U.S. Department of Agriculture's Food for Peace program. At that time, he was on leave from the University of Tennessee where he served on the faculty for six years. Before this, Deaton was a research associate at the Center for Developmental Change at UK. He received his Ph.D. from the University of Wisconsin, Madison.



Hal Beals '66 is vice president and director of corporate marketing for Washington Mutual Service Corp., a subsidiary of Washington Mutual Savings Bank. Prior to joining Washington Mutual Corp., Beals served six years as vice president of sales for Bayly, Martin and Fay insurance brokerage in Seattle and Anchorage, Alaska. He also served in a variety of positions at Blue Cross of Washington and Alaska. He attended graduate school at the University of Alaska.

Thomas H. Eskew '66 is the director, technology R & D, at R. J. Reynolds Tobacco International, Inc. He coordinates the implementation of advances in cigarette technology with the company's business units worldwide. He is also responsible for maintaining communication between the research and development function at the company and research and development at R. J. R. Tobacco International.

James C. Bryant '67, a professor of English at Mercer University in Atlanta, has had a book published by Mercer University Press. The book is entitled *Tudor Drama and Religious Controversy*.



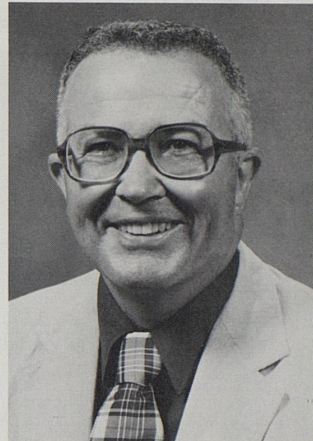
Tom Padgett '67 has resigned his position as director of public safety at UK to begin his own company as a general contractor specializing in residential construction in the executive market.

Robert E. Terry '67 has joined in partnership with the firm of Tinsley, Crowell, Terry & Co., certified public accountants in Charlotte, N.C.

Jon Noland '67, '68 is the coordinator for circulation and interlibrary services in the Network Services Unit of Rutgers University Libraries at New Brunswick, N.J. Prior to this he was head of the circulation department at the Parks Library, Iowa State University in Ames, Iowa. Since graduating from the University of Kentucky, he also has worked in Canada and Iran.

Brian Ann Arnett '67, assistant director of the department of dietetics and nutrition at University Hospital, Chandler Medical Center, has been named Kentucky's Outstanding Dietitian of the Year. She also directs the Dietetic Internship Program at University Hospital. In addition to being Area V Representative for Dietetic Educators of Practitioners, a national practice group of the American Dietetic Association, she has held numerous positions in the local and state dietetic associations. She has participated in the Bluegrass Health Fairs, Chandler Medi-

Professor of the Year



William M. Bass '56, head of the University of Tennessee anthropology department, was honored in the Professor of the Year Awards Program. He was one of 25 college faculty members throughout the nation honored in the awards sponsored by the Council for Advancement and Support of Education. Bass is the only person doing research in the U.S. on the process of decay in a human corpse. He receives calls on the average of one every two weeks from law enforcement agencies all over the U.S. wanting help in determining a time of death. They also want help with identification. Bass listed gender, age and race as the three identification categories. Gender is determined from the pelvis, because girls have broader hips than boys. Age is determined from almost any part of the body, such as the teeth. The growth of the body also helps, because as you grow you begin to degenerate. Bass, whose decay research began three years ago, still has much to learn. Florida police called him about a dead woman found on a sandy beach. He was unable to determine how long she had been dead because he has never studied bodies in sand. He plans to get a body, put sand on it and see what happens to learn more about this type of decay. He is also researching the decay that occurs underground in the burial cycle. He has seven bodies buried at depths of one, two, three and four feet to see how long it takes them to decay. One of his most interesting burial cases involved the remains of the Lindbergh baby. He was the second person in 50 years to examine the skeletal remains of the aviator's son. Since there is no way to determine the sex of an individual under the age of 10, he was not able to determine if it was the Lindbergh baby's remains.

Bass is also the forensic anthropologist for the State of Tennessee and once was chosen the Outstanding Forensic Anthropologist in the nation. He became interested in Forensic Anthropology as a master's student at UK, when his professor invited him along on a case. In addition to the research and cases he investigates, he has a teaching load of about 275 students every semester. He has published nearly 150 articles.

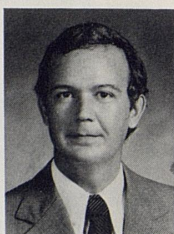
cal Center Open House, speaker for numerous community and school groups and on the advisory board of several nutrition undergraduate programs. She was instrumental in organizing a nutrition education program for the public with the Bluegrass Chapter of the American Red Cross. She also played a key role during the 1984 Kentucky Legislative Session in introducing an entitlement act requiring dietitians/nutritionists to have a degree from an accredited university.

Verla Wilson Holland '67 is district judge in Collin County, Texas. She and her husband Earl Holland Jr. live in Plano, Texas.

Linda Rae Gregory '67, of Alexandria, Va., was appointed associate director for management in the Peace Corps. She has served as Peace Corps country director for the West African nation of Benin, directing the activities of the 80 volunteers serving in agriculture, construction and education projects. Prior to her Peace Corps service, she worked in the U.S. Department of Energy for seven years, serving as director of policy and management and as a special assistant to the assistant secretary for conservation and renewable energy. A Cincinnati native, she is a Phi Beta Kappa graduate of UK, where she has a degree in French. She is a National Defense Education Act (NDEA) Fellow, an honorary Woodrow Wilson Fellow and received outstanding performance awards from her employing agencies six times.

John D. Temple '67, chapter president, was honored when the Washington, D.C., Alumni Chapter of the Sigma Chi Fraternity was named co-winner of the International Fraternity's Alumni Community Service Award for 1984. His alumni chapter held their first annual Sigma Chi Charity Golf Tournament and raised \$250 for The Wallace Village for Children, the fraternity's international philanthropy located near Denver. Sigma Chi has

more than 120 active alumni chapters and 190 undergraduate chapters throughout 43 states and four Canadian provinces.



Ralph E. Wesley '67 a Nashville ophthalmic plastic surgeon at Vanderbilt University, has recently completed a book entitled *Techniques in Ophthalmic Plastic Surgery*. He was honored by the Tennessee Academy of Ophthalmology for serving as president of the organization. He also served as president of the Nashville Academy of Ophthalmology and has been admitted to the American College of Surgeons. Wesley served his residency in ophthalmology at the UK Medical Center.

Randolph W. Losch '68 has joined The Reinforced Earth Company and is heading the newly opened Great Plains Regional Office in Jefferson City, Mo. He joined the company after nearly 16 years as a bridge and structural engineer with the Federal Highway Administration. His most recent assignment with FHWA was with the Missouri Transportation and Highway Department on matters concerning bridge design, construction, and fabrication.

William E. Wilbert '68, a major in the U.S. Army, has been decorated with the Meritorious Service Medal at Fort Dix, N.J. He is an executive officer with the Basic Training Committee Group.

David Nash '68, professor and chairman of the department of pediatric dentistry at West Virginia University, has been selected as the first AADS Harry W. Bruce Jr. Legislative Fellow. Nash, who graduated

from the UK College of Dentistry, received his master's degree in pediatric dentistry at the University of Iowa and a doctorate in higher education administration from West Virginia University. Before joining West Virginia's faculty in 1973, he was at the LSU School of Dentistry.

Ron Kesterson '68 is the business manager at State Technical Institute in Knoxville. He was formerly the business manager of the Anderson County (Tennessee) schools.



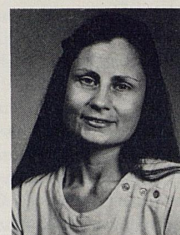
Jeffrey R. Scott '68, administrator of personnel for South Carolina National Bank, has been named senior vice president by the SCN board of directors. Scott began his career at First National Bank of Atlanta's personnel department in 1974, moving to Northwestern Bank in North Wilkesboro, N.C. in 1976. In 1981, he joined First National Bank of S.C. as vice president in the Columbia personnel department prior to SCN's merger with FNB in December 1984.

Charles E. Prewitt '69 is president of Denson Engineers, Inc., a New Orleans-based consulting firm. After earning his master's degree from Tulane University and several years at Texaco as a plant manager. Prewitt joined Denson Engineers in 1974 and was elected executive vice president in 1975.

1970s

Keith Morehead '70 has received his MS in mechanical engineering from the University of Tennessee. His thesis

dealt with application of a pollution control device, the electrostatic precipitator, to a new coal-fired process. His work was done on the MHD energy project at the University of Tennessee Space Institute near Tullahoma, Tenn., where he makes his home.



Joan P. Gipe '70, '71 has received the Amoco Foundation Outstanding Undergraduate Teaching award for 1984-85. She joined the University of New Orleans in 1977 after receiving her doctorate from Purdue University. A native of Louisville, Dr. Gipe recently completed a textbook in reading education, and is the author of numerous articles in national and international journals. She received the 1981 UNO Alumni Association award for teaching excellence and in 1984 was nominated for the International Reading Association's Outstanding Teacher Educator in Reading award.

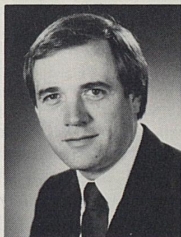
Paul Wagner '70, '72 has returned to his hometown of Louisville with an Oscar as co-winner for the best short documentary, "The Stone Carvers," produced with Marjorie Hunt, a folklorist with the Smithsonian Institution. The film deals with a group of Italian-American artisans who have labored for 20 years on Washington's National Cathedral. Wagner had submitted two other films for Oscar contention in past years, but neither was nominated. He received a bachelor's degree in English and a master's in communications from UK and worked as a writer for Kentucky Educational Television in Lexington after graduation.

John M. Famularo '71 practices law with the firm of Stites and Harbison in their

Lexington office. He has been an assistant attorney general, an assistant commonwealth's attorney and a Fayette district judge.

Thomas E. Meng '71, '74 is a Lexington attorney with the firm of Stites and Harbison. He has been a law clerk at the Kentucky Court of Appeals and has been in private practice in Lexington.

Philip Weinstein '71, associate professor of community dentistry, adjunct associate professor of psychology, acting chair of community dentistry 1980-81 and a faculty member of the University of Washington in Seattle since 1972, was named acting chair of the department of community dentistry in the UW School of Dentistry. He earned his doctorate at UK and his undergraduate and graduate degrees from Queens College of the City University of New York.



James D. Liles '71, '74 is an attorney with the Cincinnati-based law firm of Frost & Jacobs. He is primarily involved in the practice of intellectual property law. Liles is the president of the Cincinnati Patent Law Association. He was an examiner with the U.S. Patent and Trademark Office in Washington, D.C., and served as a patent attorney with Cincinnati Milacron.

Thomas I. Clements '71 participated in Team Spirit '85, the largest joint combined field training exercise in the free world this year, on the mountainous peninsula of South Korea. Clements, a lieutenant colonel in the army, combined with over 200,000 participants from forces sta-

tioned in Korea and from other locations within the Pacific Command. It was the 10th annual exercise of its kind. Its purpose is to evaluate and improve procedures and techniques to be employed in a defense of South Korea. Clements is a battalion commander with the second infantry division at Camp Casey, South Korea.

Margaret Ann Fryman '71 has been named regional marketing manager for the Lexington division of the Nashville-based International Clinical Laboratories. She is president of the Kentucky State Society for Medical Technology.

Jimmy C. James '71 is the development engineering manager with Corning Ceramics. He joined Corning in 1973 and since 1984 has been the plant manufacturing engineer with the Erwin Ceramics Plant.

J. Michael Mansfield '71 has been appointed by the West Ohio Conference of the United Methodist Church to the Westville-Concord Charge near Urbana, Ohio. This is his first full-time appointment since graduation from United Theological Seminary of Dayton, Ohio.

Rick Rose '72 has opened a private law practice in Lexington. He had been staff attorney at Fayette County Legal Aid.

Daniel L. Weiner '72 has accepted a position with Statistical Consultants Inc. of Lexington. He was formerly head of biostatistics at Merrell-Dow Pharmaceuticals.

Gary L. McKinney '72 is a manager of international audits at IBM Corporation. He is responsible for manufacturing and development audits in Boca Raton, Fla., Raleigh, N. C., Austin, Texas, and Lexington.

Frank F. Chuppe '72 is the director of the civil and environmental law division in Kentucky's Office of the Attor-

Newsroom to Classroom



David Dick '51, '56, a former CBS television news correspondent, is now an associate professor of journalism at UK. Dick, who was the 1984 Joe Creason lecturer at UK, will teach courses in mass media writing and broadcast news writing this fall. Since joining the news staff of CBS in 1966, he has covered many national and international stories. He earned an Emmy for his coverage of the shooting of Alabama Gov. George Wallace during the presidential primary race in 1972. During the Korean War, he served in communications with the U.S. Navy and the Armed Forces Radio and Television Service in the Philippine Islands. Upon returning to the states, he won the Alfred I. duPont WHAS Scholarship in 1957. Two years later, he accepted his first reporting job with WHAS in Louisville. He won several awards at WHAS, including UK Outstanding Alumnus Award for work with the UK Department of Radio-TV Films and the Associated Press's first place reporting award for metropolitan markets. During nearly two decades with CBS, Dick served in the Washington Bureau reporting on the administrations of Presidents Lyndon Johnson and Richard Nixon. He covered the presidential campaign of Eugene McCarthy as well as George Wallace. While assigned to CBS' Atlanta Bureau, he covered the progress of civil rights and other major news stories in the south and produced a radio documentary called "The New South: Born Again." Moving into international news at the Caracas Bureau, he reported on the turmoil in Panama and the Nicaraguan civil war. He has covered such stories as NASA's space shuttle, the civil war in El Salvador, the British invasions of the Falkland Islands and the riot in Liverpool and Belfast, Ireland. The Dallas Press Club awarded Dick its 1980 award for the best feature story for television for a study of how West Texas ranchers coped with drought. Dick is a native of Bourbon County and now resides on a farm near Mt. Sterling.

ney General. He supervises attorneys who represent the Commonwealth in civil cases as well as cases involving state boards and commissions. He has been with the Attorney General's Office since 1984 and was previously director of the Uninsured Employers' Fund. Chuppe, who lives in Louisville, was chosen Prosecutor of the Year in 1983 while with the Jefferson Commonwealth's Attorney's Office.



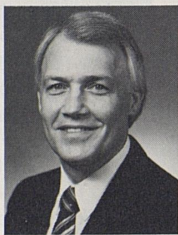
Mary Ann Farley '72, '76 is the director of the Center for Economic Education at the University of Kentucky. The UK center is affiliated with and funded by the Kentucky Council on Economic Education, a non-profit organization dedicated to training elementary and secondary teachers in basic economics. An assistant professor of early childhood education, Farley has worked extensively for the UK College of Education in the area schools as well as in student recruitment, alumni relations and development work with the corporate sector. For several years she has organized and directed summer educational tours of Europe and the Far East.



David C. Chang '72 was recently sworn in as an officer in the United States Foreign Service. He is scheduled to serve in Taipei, Taiwan. Change, a graduate of St. George's College in Santiago, Chile, attend-

ed the University of Illinois and the University of Kentucky, where he earned a bachelor's degree. He earned his master's degree from the University of Maryland. He was previously employed as a cartographic researcher by National Geographic during 1980-84 and as a geologist by Leschack Associate, Ltd., from 1975-79.

Mary Kay Winebrenner '72, '76 is an assistant attorney general in the criminal appellate division of Kentucky's Office of the Attorney General. A former French teaching assistant at UK, she received her law degree from U of L in 1983. Winebrenner was also a flight attendant for Delta Airlines for several years before going to law school.



Jon Dalton '72, '75 is Northern Illinois University's acting vice president for student affairs. He joined the NIU staff last summer as assistant vice president for student affairs. Dalton worked at Kentucky for seven years as an adviser for student activities and foreign students and directed the human relations center.

Jacob A. (Jack) Bogaczyk III '72 is a senior sportswriter with the *Roanoke Times & World News*. He has also been re-elected president of the Metro Conference Sportswriters and Broadcasters Association. Bogaczyk has won an Associated Press Sports Editors national award, two Landmark Awards for excellence in sportswriting and five Virginia Press Association writing awards in his ten and a half years at the Roanoke paper. Bogaczyk is a former student assistant in the UK Sports Information Department.

Paul Blanchard '73 is a legislative liaison in Kentucky's Office of the Attorney General. He is working for the Attorney General's Office as part of a special one-year sabbatical leave arrangement from Eastern Kentucky University. Dr. Blanchard is a professor of political science at ECU. He also served as director of the Kentucky Taft Institute Seminars for Teachers, a summer workshop concerning the political process.

Dennis Huber '73 is a senior engineer in the Cincinnati office of Dames & Moore, engineering and environmental consultants. His responsibilities are the design aspects of hazardous waste management projects for industrial clients.

William S. Drummond '73 has been awarded the master of divinity degree from Southern Baptist Seminary in Louisville.

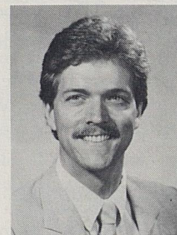
Joseph E. Jones '73 has been named a partner with the firm of Johnson/Romanowitz Architects Inc. He is a Lexington native and graduated from the UK School of Architecture. He has the responsibility of managing production of plans for both the Lexington and Louisville offices.



Janice Haley-Schwoyer '73 has been elected vice president of Liberman-Appalucci, an Allentown-based advertising and public relations agency. She joined the agency in 1974 and assumed account management responsibilities in 1977. She previously held public relations positions with the Kentucky Federation of Women's Clubs and the Federal government's ACTION education programs. After earning her

bachelor's degree from UK in journalism, she did graduate work in marketing-communications at Temple University in Philadelphia, Pa., and completed the American Association of Advertising Agency's Institute of Advanced Advertising Studies in 1981.

William G. Groutas '73 has received an Excellence in Teaching Award from Wichita State University. Groutas, an associate professor of chemistry has been with WSU since 1980. In addition to his teaching, he has spent five years researching a treatment for emphysema and related lung ailments. His research which shows "very promising results" is in the testing stage.

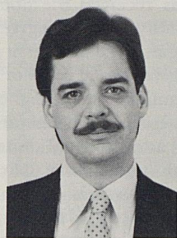


Kevin M. Noland '74, '78 is the general counsel in the Office of the Attorney General in Frankfort. He assists the attorney general in complex civil cases and legal matters concerning education and asbestos issues. Noland has been with the office for four years and previously was branch manager chief for law enforcement in the consumer protection division.

Diana Spillman '74 has been chosen Florida's Home Economist of the Year. She also was chosen the state's outstanding home economics teacher. She is professor of nutrition and food science at Florida State University. Spillman was recognized for her community nutrition work in Tallahassee and for her work as chief clinical dietician and head of dietetic practicums at FSU.

Roberta R. Branson '75 is a clinical head nurse with the Letterman Army Medical Center. Maj. Branson was awarded the Meritorious Service Medal

in San Francisco. The Meritorious Service Medal is awarded specifically for outstanding non-combat meritorious achievement or service to the United States.



William D. Falvey '75 is president of Fessel, Siegfried & Moeller Public Relations, Inc. He has 10 years experience in marketing communications and public relations, most recently as accounts manager for Jack Guthrie and Associates, Louisville. Earlier in his career, he served as a marketing communications specialist for the Brown-Forman Corporation, and before that as a writer for Humana, Inc. He also lectures on marketing, management and public relations at area colleges.

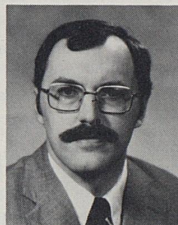
Terri Maglinger '75 is account supervisor for Abbot Advertising Agency, Inc., the full service, in-house advertising subsidiary of Jerrico, Inc. She is in charge of all marketing and advertising programs for the agency's Jerry's Restaurants account.

John T. Cecil Jr. '75 has been elected to Fellowship in the American Academy of Pediatrics. To qualify as a Fellow of the Academy, a pediatrician must have been certified as a fully-qualified specialist in the field of child health. Certification requires a minimum of five years post-medical school experience. Cecil lives in Elk Grove, Ill.

Lynne Byall Corey '76 is marketing director for Kasler and Associates, Inc./Interior Architecture and Space Planning. Corey is a member of the UK National Alumni Association.

Michael Thieneman '76, manager of automatic washer engineering at Whirlpool Corporation's corporate group, was honored at an awards banquet for receiving one or more of the patents granted to employees of the company during 1984.

C. Lloyd Vest '76, '83 is an assistant district attorney general working in the criminal appellate division of the Kentucky Attorney General's Office. After serving four years in the Air Force, he was a law clerk in Paris and at the Kentucky Supreme Court while attending the UK College of Law.



Mike Beiting '76 has resigned as director of the utility and rate intervention division of the Office of the State Attorney General, Frankfort. He is now working with the legal staff of an Ohio utility company. He had been with the Kentucky's Attorney General's Office for nine years and served as director of the consumer protection division for four years.

Victoria D'Ambrocio '76 is the director of nursing studies at Walsh College in Canton, Ohio. Her responsibilities include both the baccalaureate (B.S.N.) and associate degree (A.S.N.) programs. She joined the Walsh staff in 1982 as director of the A.S.N. program, which began that fall. The B.S.N.-completion program for registered nurses was initiated in the fall of 1984.

Brian Lihani '77 has been selected as outstanding junior officer for the Air Force 26th Air Division. He is chief, combat crew training at March AFB, Riverside, Calif. He is a distinguished graduate of the

U.S. Air Force Air Defense Weapons Center. Capt. Lihani is an active member of the UK National Alumni Association.

Anne Einspanier '77, corporate trust officer with the First National Bank of Cincinnati, has been elected to a two-year term on the board of trustees, of the American Heart Association's Southwestern Ohio chapter. She has been an active volunteer for the Association's Cincinnati Heart Mini-Marathon. In 1984, she chaired the Mini-Marathon's corporate solicitation committee. Under her direction, the committee secured \$130,000 in corporate contributions, a record in the race's eight year history. A 1980 graduate of the University of Cincinnati College of Law, Einspanier was an award winner in this year's Cincinnati Heart Mini-Marathon. She also competed in the 1982 and 1983 Boston Marathons.

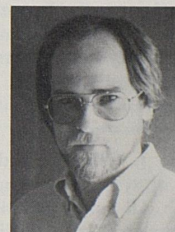
Marie Mitchell '77, news director for WEKU-FM, was among 12 newsmen chosen nationwide to attend a workshop on public radio production techniques. The workshop was held in San Francisco in March. Western Public Radio, a non-profit production and training corporation, was host for the workshop. Mitchell, who has been news director at WEKU-FM for nearly four years, worked on a three-part documentary titled, "Childhood Lost: Combating Kentucky's Problem of Missing, Exploited and Abused Youth" during the workshop.

Mehdi Arabzadegan '77 is the chief engineer of the new Palm Beach Airport Hilton which opened in October, 1984. He is responsible for property operations of the 10-story, 246-room hotel, and supervises a staff of 11. Prior to this position, he was chief engineer of the Miami Airport Hilton and marina. His specialty is energy control systems, their design and maintenance. Arabzadegan has a master's degree in engineering from the University of Florida, where he

was a graduate assistant in the department of nuclear engineering science.

Toni G. Gardner '77 has been decorated with the Air Force Achievement Medal at Wright-Patterson Air Force Base, Ohio. The Achievement Medal is awarded to airmen for meritorious service, acts of courage, or other accomplishments. Capt. Gardner is chief of clinical dietetics with the Air Force Medical Center.

Randall W. Dahl '77, '81 became registrar at the University of Kentucky last March. Prior to this appointment, Dahl was associate director for policy studies in the Kentucky Council on Higher Education where he directed several studies of higher education policy, among them a major statewide study of educational preparation for college by high school students.



Mark E. Davis '77, '81 has won the National Science Foundation award for his research in catalysis. The Presidential Young Investigator award is given in the form of research grants to 100 engineering and 100 science faculty in the United States. Davis has been teaching in the chemical engineering department at Virginia Tech since 1981.

Craig Hanson '77, field research manager for Dow Chemical U.S.A in Wayside, Mich., has been chosen for the Olympian Award, the highest recognition award presented by Dow's Agricultural Produce Department. The award was based on safety, sales growth, goal achievement, overall performance and other outstanding contributions and achievements during 1984.

Mary Jo Gross Stroup '77 has been decorated with the U.S. Air Force Commendation medal at Grissom Air Force Base, Ind. The medal is awarded to those individuals who demonstrate outstanding achievement or meritorious service in the performance of their duties on behalf of the Air Force. Capt. Stroup is a clinical nurse with the Air Force Hospital.



William L. Davis '77 is division director of the Uninsured Employer's Fund. He is the first black to head a division in the history of the Attorney General's Office. He has been with the Attorney General's Office nearly four years and was previously assistant attorney general chief.

Peter J. Olle '77 is the director of systems development for the All-Suites Division of the Marriott Corp. Olle lives in Chevy Chase, Md.



Penny R. Warren '78 is the director of the criminal appellate division in the Office of the State Attorney General. She supervises all criminal appeals in the state from the time of conviction. Warren has been with the Office of the Attorney General for five years and previously served as an assistant attorney general. In 1984 she received the President's Award from the Commonwealth Attorney's Association.

Robin B. Welch '78 is the director of the Covington Protestant Children's Home in Covington.

Gary L. Arthur Jr. '78 is manager of product acquisition and sales in the supply and distribution department of Ashland Petroleum Company. He is responsible for inter-refinery purchasing and sales activities.

Jim McCullum '79 is the chief mining engineer for Virginia Iron, Coal and Coke Co., Coeburn, Va. He has passed the board examination to become a licensed professional engineer for Kentucky and Virginia. He has worked for Virginia Iron, Coal and Coke, a subsidiary of American Natural Resources of Roanoke, Va., since 1980.

David H. Bedell '79 has been promoted in the U.S. Air Force to the rank of captain. Bedell is commander of the 71st Air Base Group at Vance Air Force Base, Okla.

Rex W. Jones '79 has been promoted in the U.S. Air Force to the rank of lieutenant colonel. Jones is chief of the presentation division with headquarters, Air Training Command at Randolph Air Force Base, Texas.

David W. Jackson '79 is teaching physical education at Hinsdale High School in Darien, Ill. He is the head cross-country coach and has been nominated for Illinois cross-country coach of the year for each of the past four years. He is also secretary of the Illinois Track and Cross-Country Coaches Association. He received his masters degree in educational administration and supervision from Roosevelt University, Chicago, in June of 1983. Jackson is married to **Margie McNulty '79**.

Frank C. Floro '79, a captain in the U.S. Army, was a participant in Exercise Balikpapan '85 in the Republic of the Philippines. The exercise was designed to develop uniformity

of doctrine and standardize procedures for rapid response to crisis in that country in accordance with the terms of the Philippines-United States Mutual Defense Treaty of 1951. Floro is a company commander with the 25th Infantry Division located at Schofield Barracks, Hawaii.

Vivian Whitman Lee '79 has been decorated with the second award of the Meritorious Service medal at Fort Knox. The award is for outstanding non-combat meritorious achievement or service to the United States. Maj. Lee is a staff nurse with the medical department activity.

Mark E. Wilson '79, '81 is an associate professor at the University of Minnesota Technical College in Waseca. He began teaching in agriculture production at UMW in 1980. His specialty is sheep. He has had several articles published on animal science techniques.

Christopher M. Judd '79 has been awarded the master of divinity degree from Southern Baptist Seminary in Louisville.

Robert H. Bolton '79 is the vice president and general manager of Hartland, a planned residential community in Lexington being developed by the Louisville-based firm Sturgeon-Thornton-Marret.

1980s

William E. Stoll '80 has been decorated with the U.S. Air Force Commendation Medal at Vance Air Force Base, Okla. The medal is awarded to those individuals who demonstrate outstanding achievement or meritorious service in the performance of their duties on behalf of the Air Force.

Edward Conley '80 is the project manager for the Webb Cos. of Lexington. He will oversee property management, leasing construction and future

development of Perimeter Office Park on Alumni Drive at New Circle Road. He previously worked with the STM Development Co. in Louisville.

Heidi Pudliner Niergarth '80 has received the doctor of osteopathy (D.O.) degree from Michigan State University. She has received four years of medical training, including education in basic and behavioral sciences and clinical rotations through ambulatory care centers and hospitals. She is practicing at Carson City Hospital.

Steven R. Brewer '80 is a manager in the consulting practice of Arthur Andersen & Co.'s Houston office. Managers, along with partners, from the firm's executive team that is responsible for running the firm's practice and developing opportunities to provide audit, tax and information consulting services.

Vicki Perkins Christensen '80 is the promotion producer for KDFW-TV (Channel-4 CBS) news department in Dallas, Texas. She was honored recently by being selected as one of the Outstanding Young Women in America for 1984.

Bernie Lubbers '81 has started Voices Unlimited, an advertising company that provides voice-over recordings for advertising agencies in Louisville and Lexington. He is also a touring professional comedian.

Mark Sisk '81 is senior auditor for Alexander Grant & Co. of Lexington.

Robert J. Bova '81 is the president of MicroAge Computer store in Lexington.

Ralph W. Sloan '81 is a tax consultant for Touche Ross & Co. in Cincinnati.

Jason Silverman '81, assistant professor of history at Winthrop College in Rock Hill, S.C., has been named the college's Outstanding Junior Professor for 1985. In addition to

research awards from Winthrop, Dr. Silverman was named a research fellow of the Institute for Southern Studies at the University of South Carolina this summer.

J. Stafford Durham '81 has been awarded the master of divinity degree from Southern Baptist Seminary in Louisville.

Richard C. Westerfield '81 is a captain in the U.S. Air Force. He is a strategic navigator and bombardier at Ellsworth Air Force Base, S.D., with the 77th Bombardment Squadron.

William Michael Knight '81 is serving a one year internship at Grandview Hospital in Dayton, Ohio. He received the doctor of osteopathy degree at The University of Health Sciences—College of Osteopathic Medicine, in Kansas City, Mo., in May.

William M. Buckley '81 has graduated from the Squadron Officer School at Maxwell Air Force Base, Ala. He stud-

ied communication skills, international relations, manpower management, and responsibilities that prepare junior Air Force officers for command and staff duties. He is serving with the ULSL Air Force Occupational and Environmental Health Laboratory at Brooks Air Force Base, Texas.

Jack R. Cyrus Jr. '81 has been decorated with the second award of the Air Medal at Tinker Air Force Base, Okla. The Air medal is awarded for meritorious achievement while participating in aerial flight. Cyrus is a weapons director with the 28th Air Division.

James W. Evans '81 has been awarded the master of divinity degree from Southern Baptist Seminary in Louisville.

Paula M. Anderson '81 is the publications adviser at UK. She advises about journalistic, business and technical matters related to UK's daily student newspaper, *the Kentucky Kernel*, and the yearbook, *the Kentuckian*. Anderson was editor-in-

chief of the 1981 *Kentuckian*. She was news editor of the *Owensboro Messenger-Inquirer* before returning to UK.

Joseph R. Bryan '82 is a second lieutenant in the U.S. Air Force. He is on assignment at Tyndall Air Force Base, Fla.

Martin H. Brogli '82 is a first lieutenant in the U.S. Air Force. He is a weapons systems officer at Bergstrom Air Force Base, Texas, with the 12th Tactical Reconnaissance Squadron.

Susan R. Saylor '82 is a copywriter and broadcast producer with Baker Advertising, Inc. in Lexington. Prior to joining Baker, she was publishing manager for Regency Magazine/Lexington, the guest magazine for Hyatt Regency hotels. She was also an ADDY Award-winning copywriter for her commercial work at WKQQ-FM, Lexington.

Clay B. Kiser '82 has been promoted to first lieutenant while serving at Marine Corps

Air Ground Combat Center, Twenty-nine Palms, Calif.

Eugene E. Gloss '82 is a performance engineer for Columbus and Southern Ohio Electric Co. in Conesville, Ohio.

Yvonne Cepero '82, an Army Pfc, has completed basic training at Fort Jackson, S.C. The training included instruction in drill and ceremonies, weapons, map reading, tactics, military courtesy, military justice, first aid, and Army history and traditions.

Bradley P. Sturgeon '82 is the front office manager for the Ramada Inn, Sharonville in Cincinnati, Ohio. He was most recently front desk manager for Ramada Inn South in Lexington. He is a former president of the UK Student Government Association.

James C. Reeves '82 is a Naval aviator and has been presented with "Wings of Gold" after completing 18 months of flight training.

What's New With You?

The Kentucky Alumnus welcomes updates on marriages, family additions, job changes, relocations, promotions — whatever you think is newsworthy. Help us keep track of you by filling out this form and returning it. Recent newspaper clippings also are appreciated.

Name _____ Class Year(s) _____

Spouse's full name _____ Class Year(s) _____

Children _____
(Indicate if currently attending UK)

Current address — Street: _____

City: _____ State: _____ Zip: _____

NEWS ITEM _____

(Send to Class Notes, UK Alumni Association, Lexington, KY 40506-0119)

Tim Henriksen '82 has been promoted by Washington National Insurance Company to group sales representative of the Dallas Group Office. He joined the company in 1983.

David N. Maynard '82, an ensign in the U.S. Navy, is now a Naval aviator. He was presented with "Wings of Gold" after completing 18 months of flight training.

Hanh M. Do '83 received his commission to Navy ensign after completing Aviation Officer Candidate School. During the 13-week course at the Naval Air Station Pensacola, Fla., Do was prepared for further duties and responsibilities as a commissioned officer and to prepare him to enter primary flight training.

Elizabeth J. Roark '83 is a graduate of the U.S. Air Force engineering assistant course at Sheppard Air Force Base, Texas. She is serving at Bitburg Air Base, West Germany.

James K. Thompson '83 is a graduate of the U.S. Air Force pilot training program and has received silver wings at Vance Air Force Base, Okla. He is serving at Vance Air Force Base, N.M.

Timothy L. Long '83 is a graduate of U.S. Air Force pilot training, and has received silver wings at Columbus Air Force Base, Miss. He is serving with the 319th Bombardment Wing at Grand Forks Air Force Base, N.D.

Teresa T. Martin '83 has been decorated with the U.S. Army Commendation Medal at Carlisle Barracks, Pa. Martin, a transportation officer with the Army War College was awarded the medal for demonstrating outstanding achievement in the performance of duty on behalf of the army.

Elizabeth M. Lockard '83 is a graduate of the U.S. Air Force flight nurse course at Brooks Air Force Base, Texas.

Now skilled in the management and nursing care of patients in flight, she is assigned with the 31st Aeromedical Evacuation Squadron at Charleston Air Force Base, Texas.

Barbara G. McConnie '83 has been assigned to Keesler Air Force Base, Miss., after completing Air Force basic training. She is now receiving specialized instruction in the computer systems field.

Lawrence E. Subervi '83 is a first lieutenant in the U.S. Air Force. He is a missile complex management officer at Little Rock Air Force Base, Ark., with the 308th Strategic Missile Wing.

Sam Bowie '84 of the Portland Trail Blazers was named to the NBA All-Rookie team. The center, who received 18 votes, joined Michael Jordan of the Chicago Bulls, Akeem Olajuwon of the Houston Rockets, Charles Barkley of the Philadelphia 76ers and Sam Perkins of the Dallas Mavericks. The squad was selected by the league's 23 head coaches. The five players named were the first five players chosen in the NBA draft.

Vincent M. Holloway '84 has completed a signal officer basic course at the U.S. Army Signal School, Fort Gordon, Ga. He received instruction in military leadership and tactics, tactical and radio communications systems and communications center operations.

Billy E. Belt Jr. '84 has graduated from U.S. Air Force pilot training. He received silver wings at Columbus Air Force Base, Miss. He is now serving with the 41st Military Airlift Squadron at Charleston Air Force Base, S.C.

Larry D. McColpin '84 has completed the Army's ordnance officer basic course at Aberdeen Proving Ground, Md. The course provides orientation in the ordnance field as well as training in administration, management and gen-

eral military subjects. He is scheduled for duty in Louisville.

Jay H. Hall '84 also has completed the Army's ordnance officer basic course at Aberdeen Proving Ground, Md. The course provides him with orientation in the ordnance field as well as training in administration, management and general military subjects.

Herman Fitzgerald III '84 has completed an armor officer basic course at the U.S. Army Armor School, Fort Knox, Ky. The course covered branch training in armor for newly commissioned officers with special emphasis on the duties of tank and reconnaissance platoon leaders. Their training includes instruction in automotive principles and maintenance, communications, weapons and tactics.

Garry D. Davidson '84 has been awarded silver wings following graduation from U.S. Air Force navigator training at Mather Air Force Base, Calif.

Mark W. Romanowitz '84 has been commissioned an ensign in the U.S. Navy. He completed the 13 week Aviation Officer Candidate School at the Naval Air Station Pensacola, Fla. in February. The school prepared him for future duties and responsibilities as a commissioned officer and to enter primary flight training.

Markus K. Hannan '84 has been commissioned to the rank of Navy ensign after completing Aviation Officer Candidate School at the Naval Air Station Pensacola, Fla. He is prepared for future duties and responsibilities as a commissioned officer and to enter primary flight training.

Matthew J. Baker '84, a Marine second lieutenant, is stationed with the 2nd Force Service Support Group at Camp Lejeune, N.C.

Former Students

Darlene F. Glacking has been named to annual associate membership in the American Biographical Institute Research Association (ABIRA). The ABIRA is an international organization which promotes fellowship among people through biographical research and communication.

Leslie G. Klein Kearney, a member of the U.S. women's kayak team at the summer Olympics in Los Angeles in the summer of 1984, recently participated in events in Lake Placid and was a member of the team that competed in Denmark, England, and West Germany earlier this year.

David E. Delaney of Lexington, has been elected vice president of J. J. B. Hilliard, W. L. Lyons Inc., a Louisville-based brokerage firm. He also was named manager of the firm's office in Terre Haute, Ind. He attended the University in 1976.

Necrology

- John Elvis Miller '12**
Little Rock,
Date unknown
- *Henry Lewis Poole '15**
Falls Church, Va.
April 14, 1985
Life Member,
Century Club
- Lois Bartlett '15**
St. Petersburg, Fla.
May 27, 1985
- Louis K. Romph '21**
Louisville
April 10, 1985
- Virginia Newman '24, '25**
West Palm Beach, Fla.
April 16, 1985
- *Glenn Urey Dorroh '25**
Lexington
July 1, 1985
Life member,
Century Club,
UK Fellow,
Past President of
UK National Alumni
Association
- Elizabeth Curtis Buehler '26**
Lexington
May 13, 1985
- *John William Tunks '26**
Fort Worth, Texas
November 19, 1984
- *John Young Brown '26**
Lexington
June 16, 1985
Life member,
Century Club
- William C. Scott '26, '29**
New York, N.Y.
May 23, 1985
- Thomas M. Pope '26**
Louisville
March 20, 1985
- *Frank G. Melton '27**
Brooksville, Fla.
April 15, 1985
- James Augustus Jr. '27**
Louisville
May 11, 1984
- Albert Monroe Heird '28**
Decatur, Tenn.
Date unknown
- Corine Sweeney Gash '28**
Salvisa
July 5, 1985
- Charles B. Hoover '29**
Akron, Ohio
January 17, 1985
- Clem Wilson Russell '30**
Bowling Green
Date unknown
- Gladys Moore Brooking '32**
Kevil
Date unknown
- Louise Harris Mitchell Barnes '33**
Versailles
June 29, 1985
- *Howard W. Baker '33**
Whispering Pines, N.C.
June 3, 1985
- *Vernon O. Kash '33**
Clearwater, FL.
May 11, 1985
- *Cratis Dearl Williams '33**
Boone, N.C.
May 11, 1985
- Oscar Sammons '33, '35**
Greenup
June 2, 1985
- Nancy E. Talbert '34**
Carlisle
Date unknown
- Rebecca Lyle Hutchinson '35**
Maysville
Date unknown
- Ida Jennings Greenleaf '35**
Wheatridge, Colo.
Date unknown
- Georgia Marie Fanher '35, '58**
Corbin
Date unknown
- Eva Vermillion '35**
Jellico, Tenn.
January 15, 1934
- Fern Osborn '35**
Ashland
April 4, 1984
- *William E. Fanning '35**
Ashland
Date unknown
Life Member
- *Grace E. Lyon '35**
Frankfort
Date unknown,
Life member
- John S. Redwine Jr. '35**
Jackson
Date unknown
- William Hays Wiggins**
Barlow
January 13, 1985
- *John A. Gilkey Jr. '35**
Paris
Date unknown
- Frances Irvin Eversole '35**
Lexington
Date unknown
- Genevieve Avanelle Bradley '35**
Grayson
Date unknown
- *Marjory Charles Spencer '36**
Arlington, Va.
June 11, 1985
- Russell Lowell Hall '37**
Prestonsburg
January 1976
- *Willett Howard Rush '37**
Frankfort
July 4, 1985
Life member
- Hattie West Snowden '37**
Nicholasville
May 27, 1985
- Edna Marrs Featherston '37, '57**
Lexington
June 12, 1985
- Frederic A. De Wilde '37**
New York, N.Y.
April 3, 1980
- Mary Katherine Rice '38**
Lexington
June 5, 1985
- Edwin Logan Brown '38**
Shelbyville
June 15, 1985
- Robert Anderson '38**
Mayfield
May 17, 1971
- *Ernest Clifford Simpson '39**
Lexington
April 8, 1985
Hall of Distinguished
Alumni
- *William E. Dunlap '39**
Clinton, Tenn.
January 28, 1985
- Elizabeth Robards Moseley '39, '42**
Lexington
June 5, 1985
- Allan C. Davis '40**
Somerset
July 4, 1985
- Emily H. Wade Cox '40**
Alphretta, Ga.
November 29, 1984
- Marjorie Widener Helton '40**
Burbank, Calif.
December 25, 1983
- *Claude E. Hammond '42**
Louisville
Date unknown 1981
Life member
- Mary Louise Graddy Delaney '42**
Mineral Wells, Texas
August 28, 1984
- *James Richard Parks '45**
Lexington
June 1, 1985
Life Member
- Arthur Frederick Vogelmann '46**
Ft. Wright
July 31, 1982
- Robert C. Faulkner '47**
Leitchfield
Date unknown
- Martha Brydon Lansden '47**
Earlington
Date unknown
- *Edwin Rhodes McClelland '47**
St. Albans, W. Va.
May 30, 1985
- Gloria Inez Manter MacGillivray '48**
Gaithersburg, Md.
May 14, 1985
- *John R. Gillespie '49**
Pompano Beach, Fla.
December 24, 1985
Life member
- Joe Pat Knight '50**
Louisville
May 8, 1985
- Ova Paul Roaden '50, '58**
Logan, Ohio
February, 1983
Life member
- Thomas A. Rankin '50**
Nicholasville
June 28, 1985
- Richard A. Watson '51**
Presque Isle, Me.
May 6, 1985
- Carl S. Hopkins '51**
Lehigh Acres, Fla.
May 19, 1985
- Margaret Calhoun Brannon Taylor '52**
Owensboro
July 3, 1984
Century Club
- Scoggan Jones Jr. '52**
Louisville
February 3, 1985
- James Daniel Burks '53**
Brandenburg
May 18, 1983
- Anthony J. Mangione '54**
Lexington
May 27, 1985

Leo Brance Ball '56
Frankfort
August 5, 1979

Dorothy L. Bottoms '57
Lexington
May 19, 1985

Garryl C. Sipple '61
Morningview
June 8, 1985

James A. Threlkeld '61
Russell
March 10, 1984

Dorothy C. Everage '64
Hindman
August 2, 1979

Sally Jo Rubin '67
Ft. Detrick, Md.
May 8, 1985

***Smith R. Armstrong '68**
Lexington
May 20, 1985
Life member

John G. Hamburg '68
Carrolton
Date unknown

William B. Reid '68
Brooklyn, N.Y.
April 19, 1985

Lucia Lee Bridgforth Cox '69
Lexington
July 5, 1985

Jane Alda Lynch '70
Prospect
July 22, 1984

William G. Uhron '71
Ashland
May 23, 1985

Robert G. Leonard '73
Winchester, Mass.
September 6, 1981

**Ellen Marie Gourley
Hardin '74**
Lexington
June 26, 1985

Lisa Gail Wilson '83
Louisville
March 4, 1985

***J. Sanders Parker**
Nashville
February 16, 1985

Maida Watkins Elkin
Carmel, Ind.
Date unknown 1957

H. R. Bunnell
Munfordville
May 3, 1976

***James E. Wolford**
Cincinnati, Ohio
August 1984
Life member

Ann Nevitt Tolliver
Lexington
April 4, 1985

***R. A. Binford**
Fulton
May 18, 1984

***Vernon R. Shaffer**
Lexington
March 27, 1985

***Lois P. Brown**
Lexington
Date unknown
Century Club

***Mary Jeffers Frye**
Sun City, Ariz.
November 1984
Life member

Harry K. Hauge
Austin, Texas
Date unknown

Joseph V. Jarman
Erlanger
July 24, 1984

Jack Marshall Taber
Lexington
Date unknown

Marianne Webb Tabor
Lexington
June 13, 1985

Hugh Collett
Boston, Mass.
Date unknown

John Everage
Hindman
August 24, 1977

***Anne Louise Johnson
Reeder**
Lexington
May 30, 1985

Freddie Ray Chapman
Hanover Park, Ill.
May 13, 1985

Levi Jackson Horlacher
Lexington
May 29, 1985
Former dean, Professor of
Agriculture 1918-1964

Robert A. Brawner
Marshfield, Mass.
Date unknown

Freeman Phelps Bryant
Lexington
June 25, 1985

Alice Kennedy Rucker
Lexington
June 28, 1985

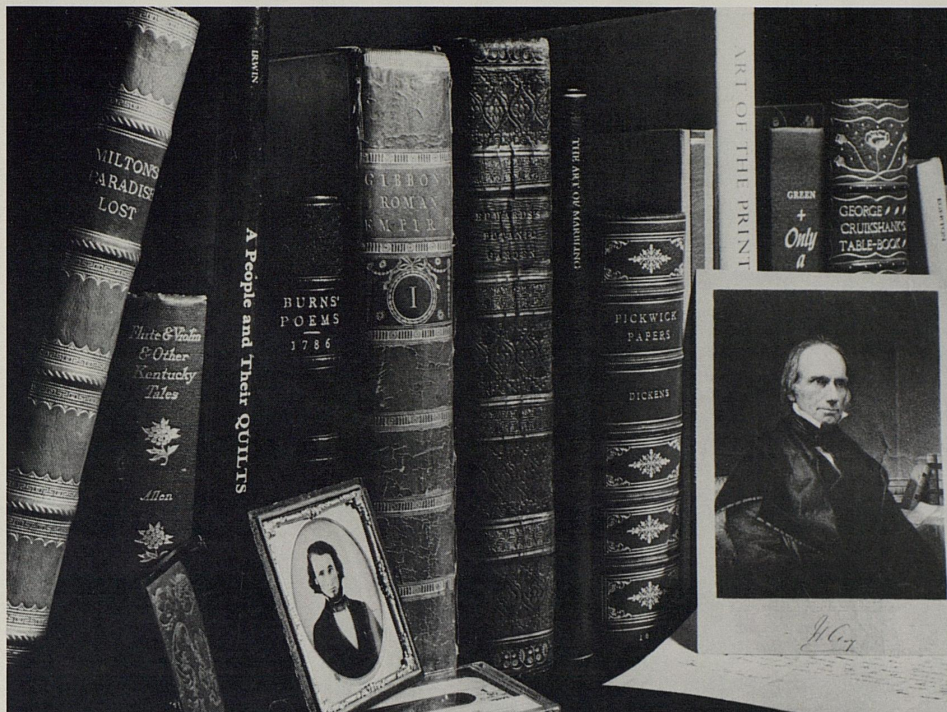
Louis Milton Brock Sr.
Lexington
June 21, 1985

**Denotes active membership in
UK National Alumni
Association at time of death.
The Class Notes section was
compiled by Emily Morse and
Kay Johnson, while working
as alumni publications interns.*

'The Real Thing'

PHOTOGRAPHY BY DAVID COYLE





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*“Rhetoric alone will not make UK
a premier university. If the political
leadership of the state really believes that
Kentucky should have a major
teaching-research university, then increased
funding is necessary to support that goal.”*

UK President Otis Singletary