

ampersand&

THE MAGAZINE OF THE UK COLLEGE OF
ARTS&SCIENCES

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Ampersand is published twice yearly for alumni, faculty and friends of the College of Arts and Sciences at the University of Kentucky.

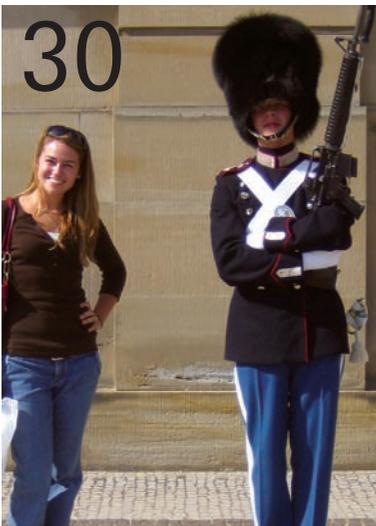
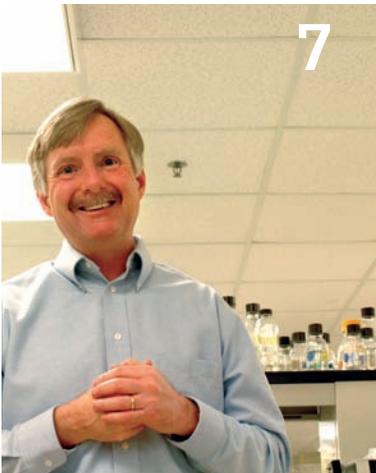
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FRONT AND BACK COVER photos by Tim Collins

INSIDE FRONT COVER by Jennifer T. Allen

COVER PHOTO: Jane Vance, Kentucky Poet Laureate and English professor, on her farm in Central Kentucky.



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Message from the Dean



Lee Thomas

Dear A&S Alumni & Friends:

As you receive this issue of Ampersand magazine, the College of Arts and Sciences' 2007 academic year is underway, with an enrollment of more than 5,800 students. This fall the college welcomes 35 new faculty members – the largest new class of faculty in the college's history. The new UK Instructional Observatory is open, and is providing both students and community members with the opportunity to study our skies. In addition, four new members - Hugh Huffman, Jaime Nebbitt, Doris Rosenbaum and Stephen Sullivan – join the A&S Dean's Advisory Board.

In this honor roll issue, we want to thank and acknowledge the college's major contributors. Without the donations from our alumni and friends, we would not be able to achieve the success we have had over the past few years. Your gifts to the college have helped countless students achieve their goals. For example, because of a generous donor, three students, one of which you can read about on page 30, traveled abroad this summer on a new study abroad scholarship. The scholarship gave Laura Hamilton her first opportunity to travel abroad, and allowed her to learn more about Scandinavian art, culture and history firsthand.

After three years of planning and fundraising, the new UK Instructional Observatory has become a reality. The College of Arts & Sciences led the initiative and raised more than \$1 million for the Observatory. The

Observatory benefits not just the entire UK campus, but also the Lexington community. We would like to recognize The Huffaker Family Fund and Mr. R. Milton Huffaker who continue to support the Observatory project.

We also want to take this opportunity to highlight the college's upcoming events for our alumni and friends. Plans are underway for the annual A&S Hall of Fame Induction & Scholarship Weekend, which will begin Thursday, Oct. 25, with Pulitzer Prize winning journalist Ellen Goodman delivering the Blazer Lecture. The following evening, we will induct four new members into the A&S Hall of Fame: medieval Spanish literature researcher Dr. John E. Keller (MA, Spanish/Italian Speech, '42), scientist Dr. G. Samuel Hurst (MS, physics, '48), chemist and scientific software developer Benny G. Johnson (BA, chemistry, '89; BA, math, '90), and educator and author Vivian Shipley (BA, English, '64; MA, English, '67). We end the weekend with Saturday's Homecoming celebration (UK vs. Mississippi State) and an A&S alumni tailgate. For more information on any of the events, contact Nancy Smith at nancy.smith@uky.edu or (859) 257-8124.

Finally, I want to thank each of you for your continued support of the College of Arts and Sciences. Your generous contributions make a difference in our students' lives and also help the college move closer to meeting the Top 20 challenge. I look forward to seeing you in October.

Sincerely,

Steven L. Hoch
Dean, College of Arts & Sciences

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Tim Collins

Music and Fruit Flies: A Dual Degree

By Lisa L. Beeler

On an average day, you can find Ashby Turner either playing his base in the UK orchestra or doing research on fruit flies in a UK laboratory. Although this isn't the average day for most college freshman, it is one of the main reasons Turner is here at UK.

"I chose UK because I could do both of the things I love, play music and do research," Turner said.

Although he just entered his sophomore year, Turner already has three years of research and a co-authorship in

the "European Journal of Neuroscience" on his resume. Research he began in high school on fruit fly neuromodulators won him a \$20,000 scholarship to another competitive university at the International Science and Engineering Fair. Instead of taking the scholarship, Turner chose to stay in Lexington so he could pursue a dual degree in biology and music, while carrying on the UK tradition his mother began.

Turner's mother graduated from UK with a degree in biology and then went on to UK's pharmacy school. Turner also had ties to UK through a lab mentor that he credits for helping him pursue one of his passions.

"I wanted to come here and work with amazing researchers. Dr. Robin Cooper has been an integral component of my success and I owe him a lot," Turner said.

Turner is successful within and outside the lab. He practices with the UK Orchestra six hours a week and plays in at least three concerts a semester. When asked which major he would pick if he had to choose only one, Turner replied, "I couldn't. I am doing them both for different reasons. I am just not ready to give up music. I want to keep improving and play in a small orchestra one day. I also couldn't give up research. I really enjoy it and hope to truly make a difference one day."

Luckily for Turner, he doesn't have to.

out about &

INSIDE THIS SECTION:

Undergraduate Research
A&S Graduation 2007
Gill Professorship
Is CSI Real?

LEFT: Ashby Turner, a biology and music sophomore, uses fruit flies as part of his research.



Tim Collins

Arts & Sciences Graduation 2007

The College of Arts and Sciences had more than 500 students participated in the college's 2007 Baccalaureate Recognition Ceremony held at Rupp Arena in May.

"A liberal arts education is one that allows the student to engage with course material, encouraging active learning, an open discussion of ideas, and nurturing a thirst for knowledge. Although many educational programs claim to provide these benefits, a true liberal arts education is one that fosters independent thinking in its students. This type of education is unique in that it does not end with graduation; rather, the student with a liberal arts background will continue to learn throughout life, both formally and informally."

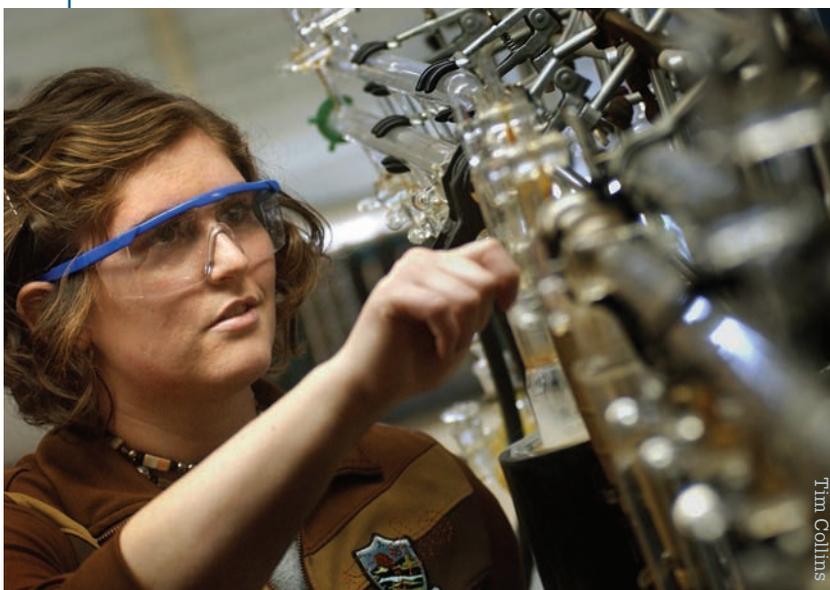
—Tara Nicole Bonistall, A&S 2007 Student of the Year addressing graduates at the 2007 A&S Recognition Ceremony. Bonistall graduated with dual degrees in psychology and social work.



Tim Collins



Tim Collins



Tim Collins

Undergraduate Research Could Have World-wide Effect

By **Lisa L. Beeler**

Railey White, a chemistry senior, can be found in the labs of the chemistry building most days of the week. White has been in the lab since her freshman year, working in the environmental research lab of David Atwood. She is currently working on a project that aims for efficient removal of arsenic from drinking water. Arsenic is a naturally occurring contaminant in drinking water in many regions of the world and is of growing concern in the U.S.

"I feel that the most valuable experience that I have taken away from UK is the opportunity to do hands-on research. It's amazing to learn something in lab and hear it paralleled in





Non-traditional Student Finds New Challenges in a New Country

By Jennifer T. Allen

When Akiko Suganuma imagined where she would be when she was in her 60s, she didn't know her path would bring her to the College of Arts and Sciences at the University of Kentucky – thousands of miles away from her hometown of Nagoya, Japan.

lectures or in coursework. The real education begins when the coursework ends," White said.

White is a native of Richmond, Ky., and a third generation UK graduate.

"Both of my grandfathers were here at UK at the same time. My grandparents were here right after WWII and they always tell me about their experiences, including the overflow of students sleeping in tents on the football field because there was not enough housing for all the soldiers coming back from the war," White said.

White's four years at UK have been packed with collaborative research, intensive course work and invaluable life lessons.

"I wouldn't have it any other way," White said.

Suganuma, 64, came to Lexington four years ago to study math and English. Having taught social science subjects to high school students in Japan for 38 years before retiring, she was looking for a challenge.

"Many Japanese want to study in the United States," Suganuma said. "They have the money and time, and want to enjoy the study abroad experience."

Choosing the University of Kentucky wasn't a hard decision for Suganuma. Two of her three children studied at Georgetown College for one to two years, with her son also studying at Henry Clay High School. She also has a good friend living in the Lexington area.

"With Toyota also selecting the area as one of their locations, I knew the safety of the area was probably ok," she said.

Even though her children have studied in the United States, they and her husband are currently in Japan. So, Suganuma came to UK alone, knowing very little English.

"The Japanese always study English in school and as a hobby, but we don't need English and we don't use it everyday," she said.

Choosing to major in math was a pretty easy realization for Suganuma. "I like math and it doesn't need an English vocabulary," she said.

Suganuma was able to come to UK as an international transfer student, having already completed the university studies requirements through her studies in Japan. She plans to return to Japan after graduation.

"I most enjoyed my classes and the challenge of math," she said. "I enjoy my life."

ABOVE: Akiko Suganuma, a non-traditional student from Japan, enjoys experiencing college life in the U.S.

LEFT, OPPOSITE PAGE: Railey White, a chemistry senior, is working on ways to remove arsenic from drinking water.



Tim Collins

ABOVE: Madison Lee Young, a political science junior, carries on a family legacy at UK.

Where Young Always Wanted to Be — UK

By Lisa L. Beeler

Madison Lee Young, a junior in political science, bled blue before she even moved to UK from Ft. Lauderdale, FL her freshman year of college. Her father played football at UK from 1977-81. He shared a dorm with UK's current assistant football coach, Chuck Smith. Young was bred to love UK. "When I was born, I didn't have a normal mobile over my crib. Instead, my mobile was made of tiny UK wildcats," Young said.

Young is currently studying for the law school entrance exam and will be applying to law schools soon. She was recently invited to take part in an internship in Washington, D.C., this summer at The Washington Center. She will be interning at America's Most Wanted in Washington, D.C.

Young graduated from the Citizens' Police Academy last year and it sparked her interests in working with the government. Young solidified her decision to work with

the government here at UK through her participation in the Student Government Association. Young is part of the Executive Cabinet of University Relations. She works on resolutions and policies. Currently, she is working on attaining funds for a student memorial for students who have died on campus and she is also pushing the funding for the instillation of universal clocks all over campus.

She ran for SGA Senator of Arts & Sciences last year, but lost by only 13 votes. Although she didn't win, she realizes what a fantastic experience it was. "My platform was based on the idea that to work for SGA, you must have deep-rooted ties to the university and never stop

reaching out to the students for their opinions. I have this," Young said.

Young has come a long way since her first UK game with her father as a child. "I can remember seeing the wildcat paws leading to the stadium when I would come to the games with my parents. Then, when people would ask where I wanted to go to college, I would say that I wanted to go to the college that has the wildcat paws." Young is now at the school she dreamed of as a child.



Rymond Receives Gill Professorship

By Lisa L. Beeler

Brian Christopher Rymond recently received the Gill Professorship for his outstanding work and contribution in the field of molecular genetics. Rymond has worked for UK since 1988 and is currently a professor in the Biology Department. In addition to his research interests, he currently teaches an upper division biology lab on Recombinant DNA Techniques and a graduate seminar on Molecular and Cellular Genetics.

With more than 30 publications in prestigious scientific journals such as the "Proceedings of the National Academy of Sciences," "Molecular and Cellular Biology," "EMBO Journal," "Nature," "Genetics" and the "Journal of Biological Chemistry" and grant support from organizations such as the National Institutes of Health, it is no surprise Rymond was awarded the Gill Professorship.

At times, the odors coming from the Rymond lab resemble that of a bakery. But here first impressions are deceiving. By studying the genetics and biochemistry of lowly Baker's yeast, the Rymond lab reveals secrets of gene expression shared throughout nature. This lab focuses on how the information copied from genes is rearranged by a large and complex enzyme called the spliceosome to greatly expand the protein diversity within cells.



The pre-mRNA splicing process regulates much of normal human development and, when faulty, is linked to more than 150 human genetic disorders. Being able to understand this conserved biological process in yeast offers the potential to find means to predict or prevent splicing errors in humans which can lead to diseases such as adult onset muscular dystrophy, a variety of cancers, and specific syndromes associated with mental retardation.

ABOVE: Brian Christopher Rymond, a professor in the Biology Department, recently received the Gill Professorship.

BIO 425: Is CSI Real? DNA Forensics

INSTRUCTOR: Grace Jones, Biology Professor

Syllabus

When watching a hit crime show on primetime, how much is actually based on fact? This is one of many questions that are answered in professor Grace Jones' class "Is CSI Real? DNA Forensics" which focuses on bio-tech and high-tech methods of crime scene forensic investigation.

"Students will have an increased awareness of the power and limitations of these techniques, so that they can better inform the other members of the public whose only information is from fictional crime TV shows," Jones said.

Discussion in class also covers the ethical considerations raised by the use of these techniques such as DNA and personal privacy, which Jones hopes will draw students into public discussion about what public law should cover.

During the semester, students research a particular bio-tech or high-tech method, or an ethical consideration about a method. They then give presentations on their analysis of the strengths and weaknesses of the technique as well as any ethical considerations involved. The class focuses on student interaction and discussion, Jones said.

Jones' own research is related to some of the methods portrayed on television crime shows.

"I know from my own experience that some aspects of what is portrayed to the public is incomplete or inaccurate," she said.

And through BIO 425, Jones is working to dispel the myths.





Psychology Department is Making an Impact in Kentucky

By Jennifer T. Allen

UK's Department of Psychology has enjoyed recent success. Its current list of achievements include being ranked 15th among public university clinical psychology programs and in the top 30s among psychology programs. They have also increased grant funding 600 percent since 2000 while also experiencing growth in undergraduate majors by 30 percent in the past several years.

A large focus of the department is on improving the health and welfare of Kentuckians. Faculty in the department have aided this goal with research taking place in substance abuse, personality disorders, immune function, aging and cognition, and memory disorders, to name a few.

"The success of our department is a direct result of good people who have supportive environments to do the work they want to do," said Charles Carlson, chair of the department. "Our faculty are engaged in their areas of interest and we've been able to put together the resources to support them."

Faculty in the department are working to find psychological solutions to defeat problems in Kentucky including alcohol, tobacco and other addictions, school bullying and ADHD, and poor oral health, Carlson said.

"We have world-class faculty," he said. "Not just one or two, but a collection of world-class scholars who are shaping the discipline."

And psychology professors are matching their skills with other areas around campus. They have already established nearly 50 collaborative projects with other UK colleges, including the College of Medicine, College of Engineering and College of Education.

"The College of Arts and Sciences knows the future of research is moving toward 'clusters' in strategic

areas," said Steven L. Hoch, dean of the college. "That is precisely why we are planning two such cluster hires over the next two years; one of which will be in the Department of Psychology."

The college is creating a "Children at Risk" cluster which will be led by psychology professors Elizabeth and Robert Lorch. The cluster will focus on addressing "Kentucky Uglies," UK President Lee T. Todd's term for long-entrenched problems that are holding back the state's economic and cultural progress. The cluster will collaborate with other colleges on campus.

"We want to be able to say when we look back in 10 years that our growth was sustained because the environment continued to change to support our teaching and research missions," Carlson said. "We want to create a department that will tackle problems in the Commonwealth and demonstrate to our discipline the models of how to do this successfully."

Even as the Department of Psychology enjoys its current success, they know there are more challenges to overcome.

"We are pursuing the dream of elevating UK's psychology department to the Top 20," Carlson said. "We are well on our way and are poised to reach that goal, but there is still much work to do to insure that we have the resources and facilities to achieve success."

INSIDE THIS SECTION:

Catholic Studies Chair
A&S Five Year Plan
100-Year Anniversary



Tim Collins

ABOVE: Psychology professor Suzanne Segerstrom works with students in one of the psychology labs in Kastle Hall.

OPPOSITE PAGE: Students gather outside Kastle Hall, home of UK's Psychology Department.



Lee Thomas







First Catholic Studies Chair at UK Joins A&S

By Jennifer T. Allen and Allison Elliott

David G. Hunter was “seduced” into the study of early Christian thought and history while an undergraduate at The Catholic University of America in Washington, D.C.

“I was studying classical languages. The Greek and Latin Department at Catholic University had a long history of focusing on early Christian writers,” Hunter said. “There were also distinguished scholars in this area (also called ‘Patristics’) in the School of Religious Studies. I was ‘seduced,’ you might say, by the example of some of the outstanding teachers I encountered as an undergraduate.”

Hunter is now joining the College of Arts and Sciences by becoming the first Cottrill-Rolfes Chair of Catholic Studies at the University of Kentucky. Hunter, who previously held the Monsignor James A. Supple Chair of Catholic Studies at Iowa State University, joined the UK faculty with a joint appointment in the departments of History and Modern and Classical Languages.

“The University of Kentucky offers a wonderful combination of opportunities,” he said. “The generosity of the Cottrill-Rolfes endowment and the support of the campus Newman Center provide me with ample resources to develop a program in Catholic Studies and to support my own research. My joint appointment in the Department of History and the Classical Studies program allows me to teach in my favorite areas of study and to participate in different graduate programs. I was also excited by the 20/20 initiative and by the fact that the state legislature is so committed to supporting the university.”

Hunter holds a doctorate in theology from the University of Notre Dame, as well as master’s degrees from University of St. Michael’s College, Toronto, and The Catholic University of America. He has published extensively on the development of moral traditions in the early Christian world (1st through 5th centuries A.D.), with a focus on the area of marriage and celibacy. He has also written on questions relating to biblical interpretation, gender relations, monasticism and pacifism in early Christianity.

“My current research is focused in several areas, all connected with the history of Christian thought and practice,” Hunter said. “I am now working on a history of the development of clerical celibacy in the Catholic Church.”

Already looking to the future, Hunter has several ideas for developing the program in Catholic Studies at UK which include establishing a series of lectures by prominent scholars of Catholic tradition. “Such a series would invite speakers to reflect upon issues of contemporary concern in the light of the intellectual, spiritual, and moral resources of the Catholic tradition,” he said.

Hunter would also like to see a menu of undergraduate courses that would help students become familiar with and reflect on the cultural contributions of Catholicism throughout history. Eventually, he hopes the Catholic Studies program would have the resources to bring distinguished Catholic thinkers to campus for extended stays.

“I also hope to establish cooperative arrangements with European universities in which students from UK would have the opportunity for travel abroad and study in the broad area of Catholic thought and history,” Hunter said.

The Cottrill-Rolfes Chair will be the first Catholic Studies appointment at UK. It was created via a \$500,000 gift from Dr. Carol M. Cottrill, a retired UK pediatric cardiologist, and her husband Tom Rolfes, a retired teacher, which was matched dollar-for-dollar by the Research Challenge Trust Fund (Bucks for Brains) to create the \$1 million chair.

“We are pleased to welcome David Hunter as the first Cottrill-Rolfes Chair in Catholic Studies at UK’s College of Arts and Sciences,” said Steven L. Hoch, dean of the college. “This is a significant step toward the creation of a vibrant Catholic Studies program at UK and Dr. Hunter, through his previous research, writings and experience, is just the person to lead the charge.”



Building on a Solid Foundation

A look at the College of Arts & Sciences' five year strategic plan

By Jennifer T. Allen



Can you envision a world where tissue regeneration is commonplace? Where children are protected against school violence, poor health and substance abuse? Where graduates can speak Arabic as easily as Spanish?

UK's College of Arts and Sciences can – and its faculty and students are working non-stop to ensure these and countless other issues are addressed and solutions are found.

“Our five-year strategic plan is designed to steer the college and university closer to its Top 20 goal, to ensure our students gain the experiences and knowledge needed to succeed in today's world, and to focus our research on real solutions to problems that affect people around the globe,” said Steven L. Hoch, dean of the college.

With a clear mission in front of it, the college is poised to meet the growing needs of its students and the world they join upon graduation.

“The mission of the college is to facilitate the learning for a large student population that is very diverse in its interests and areas of study,” said Steven L. Hoch, dean of the college. “We are striving to expand the humanities, social sciences, and natural and mathematical sciences through a range of research activities.”

Those research activities include investing in the study of materials and nanoscience, which has practical

applications in catalysis and high strength materials, can increase the availability of clean, abundant energy and even dive into the medical arena by creating advanced drug delivery systems or new therapies.

The college is also investing in the bio-related sciences, researching such issues as the demands of a large population on strained natural resources and how our bodies react to longer life spans.

Drug and alcohol abuse, and poor health are a cause of concern for the U.S. and, in particular, Kentucky. The college is investing in the study of these types of behaviors in hopes of making a difference in the lives of those in our home state, and across the country.

As the college's student population grows, so does the need to expand areas of study. In the next five years, Arts and Sciences plans to create three new departments: Gender and Women's Studies, Africana Studies and Linguistics.

And the growth of the college isn't limited to U.S. boundaries.

“In many ways, the world is considerably smaller than it was even a decade ago,” Hoch said. “It is increasingly important for the college to educate its students in a wide variety of cultural perspectives.”

In order to ensure students graduate with necessary skills that are viable in the current work world, the College of Arts and Sciences is working to strengthen the number of scholars who specialize in non-Western fields of research, as well as create opportunities for students to pursue the study of several world languages.

The college is only as successful as its students and faculty. Therefore, undergraduate retention is a high priority and since 2000 the college has increased its first-year retention rate by 33 percent, Hoch said.

The college's retention success has been accomplished by developing a system to identify at-risk students, implementing an early-warning system for these students, and establishing a set of contacts and face-to-face meetings with all first-year students. The way academic advising is delivered has also been reworked. Professional advisors are now embedded in most departments and work closely with departmental faculty to help match mentors, publicize career events and to provide effective advising to at-risk students.

“The college builds the foundations of advance study in every field and addresses the core educational needs of every student in the university; and we take that responsibility very seriously,” Hoch said.



Arts&Sciences

100 Years of Excellence



The College of Arts and Sciences, officially founded on April 14, 1908, by the UK Board of Trustees, is gearing up to celebrate its 100-year anniversary in 2008. Special events are being planned; watch for details coming soon.



ABOVE: College of Arts and Sciences faculty in 1913.

LEFT: Patterson Office Tower construction in 1968.





Two UK Professors Named Guggenheim Fellows

By Allison Elliott

Two members of the University of Kentucky College of Arts and Sciences faculty are among the recipients of the 2007 John Simon Guggenheim Memorial Foundation fellowships.





Peter Little, professor and chair, Department of Anthropology, and Lisa Zunshine, associate professor, Department of English, will each receive grants from the Guggenheim Foundation to further their academic research.

Little, an African Studies scholar, will use his Guggenheim funding to complete research for his upcoming book tentatively titled “The Anthropology of Neoliberalism in Africa.” The book will cover the impact of global environmentalism in the east African countries of Kenya, Ethiopia, Somalia, Mozambique and Gambia, following the loss of biodiversity and the impact of global political democratization on a local level. Little’s work will serve as the capstone of 15 years of research on the impact of global political movements on Africa. He will travel to Kenya for field work and the United Kingdom to review records, as well as visiting the Library of Congress and working with several non-governmental organizations in Washington, D.C. Little received the only Guggenheim Fellowship awarded in African Studies for 2007.

Zunshine, who received one of only four Fellowships awarded in the area of literary criticism, will spend a year at Yale University as a visiting scholar working with psychologist Paul Bloom as she researches the application of theory of mind, a concept borrowed from cognitive psychology, to fiction. Zunshine’s recent book, “Why We Read Fiction: Theory of Mind and the Novel,” extends the application of theory of mind to literary studies as it explores how readers apply the same conventions to fictional characters that they apply unconsciously to real people they interact with on a daily basis, making certain assumptions about the mental processes of others and their implications. Zunshine is working on her next book titled “Fictions of Transparency: Cognitive Science and Literary Interpretations.” It will explore the application of psychological principles beyond literature and into movies, television and other narrative formats.

“It is a wonderful achievement for the College of Arts and Sciences to have two faculty members named as Guggenheim fellows in the same year,” said Steven Hoch, dean of the college. “Lisa Zunshine and Peter Little are an outstanding part of our faculty and this recognition moves the college and the university even closer to attaining Top 20 status.”

Guggenheim Fellowships are grants to selected individuals made for a minimum of six months and a maximum of 12 months. The average amount of the fellowship grant in 2003 was approximately \$35,747. Since the purpose of the Guggenheim Fellowship program is to help provide Fellows with blocks of time in which they

can work with as much creative freedom as possible, grants are made freely. No special conditions attach to them, and Fellows may spend their grant funds in any manner they deem necessary to their work.

The 2007 United States and Canada Guggenheim competition winners include 189 artists, scholars, and scientists selected from almost 2,800 applicants for awards totaling \$7.6 million. Fellows are chosen based on recommendations from hundreds of expert advisers and are approved by the foundation’s Board of Trustees, which includes six members who are themselves past Fellows of the foundation: Joel Conarroe, Joyce Carol Oates, Richard A. Rifkind, Charles Ryskamp, Ellen Taaffe Zwilich, and Edward Hirsch. Guggenheim Fellows are appointed on the basis of distinguished achievement in the past and exceptional promise for future accomplishment. Since 1925 the foundation has granted over \$256 million in fellowships to more than 16,250 individuals.

“Going beyond the measures listed in the UK Business Plan, enhancing the reputation of an institution is a matter of what company it keeps. For instance,

“It is a wonderful achievement for the College of Arts and Sciences to have two faculty members named as Guggenheim fellows in the same year.”

the Burroughs Wellcome clinician award to Jayakrishna Ambati of the UK College of Medicine went mostly to the ‘usual suspects’ among research universities. The highest faculty awards in any discipline go disproportionately to the traditional powerhouses among universities. The Guggenheim Foundation Fellowships are, arguably, the most important recognition outside of the sciences. Our benchmarks routinely receive two to three Guggenheims each year. UK’s two awards this year, along with Dr. Ambati’s recognition by Burroughs Wellcome, underscore the fact that UK has the ‘horses’ to make a Run for the Roses among Top 20 public universities,” said Kumble R. Subbaswamy, UK provost.



ABOVE: Lisa Zunshine, an associate professor in the English Department, received a Guggenheim Fellowship for literary criticism.

LEFT: Peter Little, Anthropology Department professor and chair, received a Guggenheim Fellowship for African Studies.

TEACHING &

The College of Arts & Sciences faculty and students are making a difference throughout Kentucky. Your journey through this issue will take you to UK's backyard as you discover how students are volunteering in the Lexington Hispanic community, you'll travel to the mountains of Eastern Kentucky where graduate students are working with middle and high school math students, and you'll gain a glimpse of English professor Jane Vance's state-wide reach as Kentucky's new poet laureate.

The College of Arts and Sciences is touching the state and its faculty and students are making an impact.

REACHING

SERVING THE COMMONWEALTH



Lee Thomas



Tim Collins

Education Beyond the Classroom

Spanish students learn from Lexington's Hispanic community

By Jennifer T. Allen

When Susan Larson, a professor in the Department of Hispanic Studies, first came to the University of Kentucky from New York City in 2002, she had a tough time answering her students' questions about Lexington's rapidly-growing and diverse Spanish-speaking population.

"My students were asking me where the Hispanic population in Lexington came from and how they got here," Larson said. "It's taken me a few years to find some answers."

Still trying to find answers, Larson began teaching a class on Hispanic/Latino Kentucky in 2006. The class, designed for seniors fluent in Spanish, looks at the history and influence of Kentucky's Hispanic population and also includes 30 hours of service learning work in the Lexington area.

"There is an overwhelming need in Central Kentucky for Spanish speaking professionals," she said. "One of the main reasons for the class and service learning work is to introduce students to what they can do after graduation with a Spanish major in Central Kentucky."

Students volunteer in a variety of locations across Lexington, as tutors in the Fayette County public school system and Lexington public library, as interpreters at the Bluegrass Farm Worker Health Clinic and Maxwell Legal Clinic, and as reporters for Lexington's bilingual newspaper "La Voz de Kentucky."

Corina Back took the class during the Fall 2006 semester and volunteered in the English as a Second Language (ESL) program at Cardinal Valley Elementary School where she worked hands-on with children who needed help with basic English skills.

"I feel that I learned more from the children than they learned from me," Back said. "I am studying to become a speech pathologist, so working with children will be a huge part of my career life and this experience was my first chance to instruct children in a classroom environment. It taught me a lot."

Students choose from a large list of volunteer opportunities, in the hope that they will have the chance to work in an area in line with their future career goals, Larson said. Students have done work for the class in

several areas: health care, law, journalism, church ministry, community organizing and business.

"This type of course is perfect for college students learning a foreign language who want to be able to get a jump start on learning their new skill out in the world," Back said. "This class was one of the greatest experiences I could have had as a foreign language student."

The class was such a success in 2006 that it became a permanent listing in the Fall class offerings as Spanish 480.

"The university and the students are indebted to the people with whom the students work," Larson said. "They are spending quality time with our students to help train and mentor them."

And the program's success is already evident.

"I was delighted when two of the organizations hired some of my students toward the end of the school year," Larson said. &

LEFT AND BELOW: Corina Back worked with students in the ESL program at Cardinal Valley Elementary School as a service learning component to a Hispanic Kentucky course.



Tim Collins



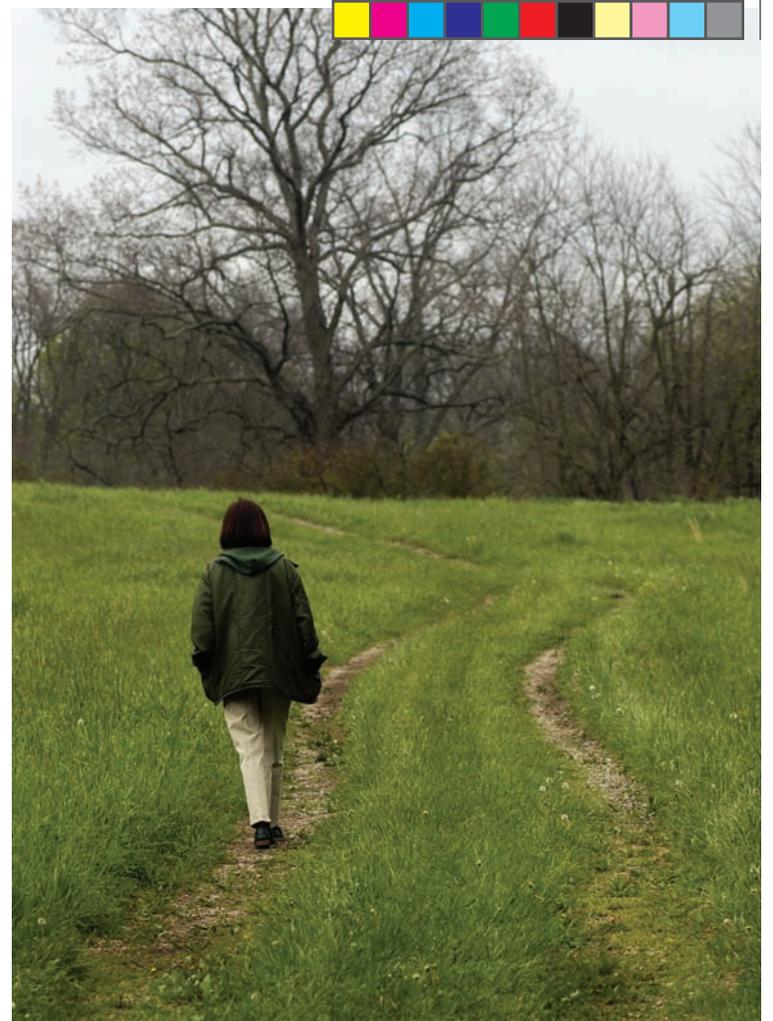


a poet and a teacher

jane gentry vance combines the roles
of poet laureate and college professor

by allison l. elliot
photos by tim collins





Jane Gentry Vance, the new Poet Laureate of Kentucky, wrote her first poem in second grade. It began with the words “[t]he very first Christmas long, long ago? Took place in a manger where the cattle did low.”

“Hardly great verse,” she says, “but I was surprised at how it seemed to come to me with the beginnings of its form already in place. I knew that I’d discovered a new pleasure. I guess I first thought of myself as a decent poet when I took the beginning writing workshop my first semester at Hollins College in Virginia.”

Today Vance, a professor of English, helps University of Kentucky students discover the pleasures of thinking and writing about the world around them. She credits her own teachers at Hollins and at Henry Clay High School in Lexington with encouraging her interest in writing. Well aware of the importance of mentoring in the lives of young writers, Vance notes that her “single most important teacher who helped me think of myself as a poet is critic and novelist Louis D. Rubin, Jr., who was my mentor both when I was an undergraduate at Hollins and when I was a graduate student at the University of North Carolina. He has the gift of being able to see clearly what a writer is trying to do and to tell her what she needs to do to make the work better.”

While serving as poet laureate, Vance will continue to teach poetry writing workshops for the University of Kentucky College of Arts and Sciences Department of English and humanities courses for the UK Honors Program. UK students will have the unusual opportunity

to study writing with a poet who is splitting her time between teaching college students in the classroom and teaching Kentuckians about the importance of their literary heritage.

Inducted as poet laureate in April 2007, Vance has already begun her two year term of traveling the Commonwealth speaking on the importance of literature to groups at libraries, schools and civic clubs. When asked to describe her goals for her tenure, she has plenty to say about the rich literary history of her home state.

“I want to witness to and advocate for the importance of writing and literature in the rich culture of Kentucky. We’re lucky to live in a state with an inner life, as well as a definite place in the bigger picture. Many Kentuckians have written, are writing, eloquently about what it means to be human, in particular circumstances and times. Such contemporary writers as Bobbie Ann Mason, Wendell Berry, Crystal Wilkinson, Gwyn Rubio, Lisa Williams, Maurice Manning, Nikky Finney, Tony Krunk, Frank X Walker, and others, aren’t as well known to Kentuckians, especially young Kentuckians, as their out-of-state reputations indicate that they would be. Like my predecessors, I want to spread the word of the richness of Kentucky story-telling in all its forms, and particularly to encourage the enjoyment of poetry as a form of story-telling. I have a deep attachment to Kentucky and my place here, and I feel unspeakably honored to be part of the Kentucky poet laureate tradition. The laureates of the last ten years, James Still, Joy Bale Boone, Richard



Jane Vance, Kentucky Poet Laureate and English professor, on her farm in Central Kentucky.



“Read, read, read, particularly the kind of poems, short stories, novels, etc., you want to write. Read everyday, and talk about what you read with other serious readers. And write, write, write, write something everyday, whether it’s a letter, a journal entry, or a draft of a poem. Practice letting your words flow honestly, from hard places in yourself.”

– *Advice from Jane Gentry Vance to aspiring young writers*



Taylor, James Baker Hall, Joe Survant, and Sena Jeter Naslund, are company I’d like to prove worthy of.”

In her teaching life, Vance understands the importance of helping students connect with their world in words and emotions. Having found her own path as a writer during college and graduate school (her childhood career choice was to be a detective “like Nancy Drew” and she wanted to join the foreign service until a poor grade on a college French exam intervened), she delights in interacting with students and “being in touch with their liveliness, their commitment to their future and the future of Earth, their hunger to know things and to learn to be good at writing. These energies keep me aware of the hope for the renewal of the world, even as we experience overwhelming chaos and violence both close to home and globally.”

While it is a lucky thing for UK students that Jane Gentry Vance will continue to teach while serving as poet laureate, it only makes sense to her to continue the work she loves while expanding her reach as a writer and educator throughout the state.

“Getting to share with students my sense of how we have gotten to this time and place, from the beginnings of our cultures, feels like getting paid for what I’d like to be doing anyway.” &

Jane Gentry Vance (who writes and publishes as Jane Gentry) has authored three collections of poems: A Garden in Kentucky (Louisiana State University Press, 1995), A Year in Kentucky (Press Eight Seventeen, 2005), and Portrait of the Artist as a White Pig (Louisiana State University Press, 2006). More information, including a multimedia interview feature from Kentucky Educational Television and her speaking schedule as poet laureate, is available online at http://artscouncil.ky.gov/Poet/Poet_Vance.htm.







Leaving the Shades Up

In the long twilights of November,
both evenings and mornings,
I like the shades up.
I like to see the gray world
looking in at my looking out.
I like to watch
the slow balancing of light
inside the house and out:
the shy stars returning,
becoming public, or fading
into the daylight sky
as when death came
to my father's eye.

Jane Gentry, "Portrait of the Artist as a White Pig"



ARTS&SCIENCES POSITIVELY AFFECTING KENTUCKY



With more than \$2.5 million in grant money, professors and students in three departments in the College of Arts and Sciences have worked to make a positive and lasting impression on the Commonwealth.

From a range of programs directed at helping Eastern Kentucky middle and high school math students with Algebra concepts to helping language and history teachers gather useful tools for the classroom, these three grants are making an impact across the state.





Jennifer T. Allen

Lee Thomas

Algebra Cubed

Grant helps middle and high school students grasp Algebra concepts

By Jennifer T. Allen

For many middle and high school students, just the mention of algebra, variables, equations and probability makes their eyes glaze over. UK's College of Arts and Sciences Department of Mathematics is actively working to change that.

In 2006, the math department received a more than \$1.8 million National Science Foundation grant to enrich mathematical skills and the depth of content knowledge of middle and high school students in Bath and Powell counties. The grant, known as Algebra Cubed, funds 10 science, math or engineering graduate students (fellows) each year through 2009 as math specialists in the counties as well as 10 teachers who serve as mentors to the fellows.

After finishing the first year cycle, Richard Millman, professor in the Department of Mathematics and principal investigator of the grant, said participation in the grant has left a lasting impression on the fellows.

"It's opened the eyes of the fellows as to what goes

on in schools so they have a better understanding of math in K-12 grades," Millman said. "They are also recognizing the need to educate all students in math, not just college-bound students."

Amy Heilman, a mathematics graduate and fellow who worked at Powell County Middle School, agrees.

"It's a great opportunity for math students not planning K-12 teaching careers to see how the impact of math education in K-12 influences their success in college," she said. "It is important to be connected in math education at a lower level."

Bath and Powell counties were chosen for the grant because of their low percentage of high school graduates that go on to earn bachelor's degrees and the quality and desire of teachers and administrators for improved mathematics learning in the schools. Bath County had a 59 percent high school graduation rate in 2000 and a 10 percent bachelor's degree rate in the same year. Powell County had a 56 percent high school graduation rate in 2000 and a 6.5 percent bachelor's degree rate in the same year. The counties fall behind Kentucky's high school graduation rate which was 74 percent in 2000 with 17 percent earning a bachelor's degree.

"Kentucky ranks third in the U.S. in need of rural education attention and improvement," Millman said. "Algebra is a subject that enables students to succeed or can limit their career horizons. Through the partnership of schools and the university, Algebra Cubed is exciting students about mathematics and its applications, and will open further opportunities for them."

Graduate students work on-site with teachers and students 10 hours a week developing lessons, teaching and introducing conceptual understanding.

"It is a wonderful opportunity to mix a high level of math knowledge and education – especially in Eastern Kentucky," Heilman said. "It is very rewarding to have the opportunity to hopefully positively change the school's test scores and the student's outlook and understanding of math."

UK and the College of Arts and Sciences have been involved in outreach efforts for many years, especially through targeted programs in Eastern Kentucky.

"This grant places an emphasis on the involvement of scientists, mathematicians and engineers in the middle and high school arena, which is vitally important for the continued success of education and economic competitiveness of Kentucky," UK President Lee T. Todd Jr. said. "The university is a strong supporter of enhancing math skills in rural Eastern Kentucky and this grant continues to build on two of our ongoing programs: UK's Appalachian Mathematics and Science Partnership and the Appalachian Rural Systemic Initiative." &

ABOVE, LEFT: Amy Heilman worked with students at Powell County Middle School as a fellow in the Algebra Cubed program.

Language Lessons

Grant introduces new language techniques for the classroom

By Jennifer T. Allen

Due to technology, travel advances and the innate curiosity of the human race, the world is increasingly becoming a smaller and smaller place - a place where understanding multiple languages is becoming ever more important.

"Learning a language has become an essential element of education," said Sadia Zoubir-Shaw, associate professor of French and linguistics in the College of Arts and Sciences. "It is not an option or a luxury anymore; learning a language is a necessity."

In 2006, the Department of Modern and Classical Languages, Literatures and Cultures received a \$143,000 grant to address Kentucky's critical shortage of qualified world language teachers in primary and secondary schools. The grant, "Developing and Assessing Communicative Competence in the World Language Classroom," falls under the Improving Educator Quality program and is directed by the Kentucky Council on Postsecondary Education and supported by federal "No Child Left Behind" funds.

"The importance of learning languages in primary and secondary school is gaining increasing attention at the state level," said Mark Lauersdorf, associate professor of languages and linguistics and director of language technology at UK.

The grant funded teachers across Kentucky to attend spring workshops and a week-long immersion program in Lexington. Fifteen language teachers from five counties came to UK the summer of 2006 to be immersed in professional development and training during a week full of educational sessions, networking and interaction with children at local elementary schools.

During their week at UK, teachers spent an hour each morning working with elementary students at Cassidy, Arlington and Harrison elementary schools. The teachers worked to immerse the students in either French, Spanish or Latin. Each teaching session was followed by a debriefing with the participating teachers and UK mentors. The afternoon was devoted to guided intensive training.

The workshops and immersion program focused on concepts, theories and material development to assist teachers in implementing more communicative approaches to teaching language on all levels. The teachers also trained in new tools and techniques to assess student gains in their language classrooms.

The program continued throughout the 2006-07 academic year. Once teachers headed back to their own



Jennifer T. Allen

ABOVE, RIGHT: Sara Bramsen, a UK student in the French Department, played a game with Harrison Elementary students naming body parts in Spanish during the immersion program last summer.

classrooms, UK mentors provided support as they devised and implemented their new teaching plans and assessment tools.

"Learning a language contributes greatly to developing and heightening cognitive skills which transfer automatically onto core subjects that are nationally measured, such as math and language arts," Zoubir-Shaw said. "We have quantitative and qualitative evidence that children who have studied a language test better in core subjects and show improvement in overall basic skills."

Teachers participated from Fayette, Jessamine, Menifee, Hickman and Anderson counties.

"These teachers have worked to incorporate a new set of solid language teaching practices in their schools, which will form a base level for new generations," Lauersdorf said.

The World Language Resource System (WoLReS), a digital clearinghouse of lesson plans, assessment rubrics and thematic units intended to help teachers across the state network and exchange materials, is set to launch this fall in its first stage.

"It is rewarding to know we started something that will continue to have a positive impact," he said. "The teachers left with so much and are ready to follow-up. It is in their hands and they are moving forward and continuing." &



High-Tech History

Grant focuses on introducing new teaching strategies, tools

By Jennifer T. Allen

Mixing history with 21st century technology may seem like a stretch for some, but it is happening in classrooms across Eastern Kentucky thanks to a grant written by a UK College of Arts and Sciences professor.

An almost \$1 million grant, "Documenting American Democracy," from the Department of Education is giving students and teachers a different perspective on history, especially how history relates to and affects their communities.

"We are trying to connect the local history of Eastern Kentucky to larger national narratives," said Kathi Kern, a professor in the history department and principal investigator of the grant. "There is such pressure on testing and assessment that kids in Kentucky can go through public education and, unless a connection is made by teachers to include Kentucky history, they are only taught Kentucky history in the 4th grade."

Through the grant, teachers representing elementary through 12th grade embark on a three-year American history curriculum designed by Kern and Linda Levstik, a professor in Curriculum and Instruction and a co-principal investigator on the grant. The goals are to enhance teacher content knowledge of American history, introduce new teaching strategies and incorporate technology into the classrooms.

"We are transforming the way teachers teach history by emphasizing strategies for engaging students in historical inquiry," Kern said. One of the most successful parts of the project has been faculty-led history tours of Boston, Washington D.C., New York City, Santa Fe, and Charleston, S.C. "We take the teachers to historical sites out of the state as a way to get them to think critically about how history is written on these landscapes. This, in turn, helps them gain a new perspective on their own areas."

Technology comes into play with digital storytelling. Teachers and students are trained to use cameras and digital voice recorders in order to put together short history films, some of which have been submitted in the state and national History Day competition.

"The genre of digital storytelling is a very powerful tool for conducting historical analysis," Kern said. "This is something that can be adapted to all levels of learning, from elementary school through the college level."

A unique feature of the grant is its partnership design, linking UK with state and local agencies, all of which bring different strengths to the table, Kern said. Partners include the Kentucky Historical Society, the Letcher County Public Schools, Appalshop, an Eastern Kentucky-based media arts and education center, and the Kentucky Heritage Council.

"Our main goal is for kids in Kentucky to learn how national histories played out in their local areas," Kern said. "And I feel we've made an impact." &



LEFT: History professor Kathi Kern with teachers Kathy Bobo from Rockcastle County and Crystal Cox from Bell County.

ABOVE: History professor Kathi Kern with teachers filming the historic Penn Center School on St. Helena Island, S.C., the site of one of the country's first schools for newly emancipated slaves.



Scandinavian Experience

Donor sponsored scholarship gives student first chance to travel abroad

By Jennifer T. Allen

Before this summer, the furthest Laura Hamilton had traveled from Kentucky was to New York City. This summer she traveled more than 4,000 miles to Scandinavia – a place she knew little about before receiving a scholarship to make the trek.

Hamilton, a junior majoring in biology and native of Elizabethtown, Ky., was searching for information about becoming a College of Arts and Sciences ambassador when she happened upon information about the A&S international studies scholarship.

“I always wanted to study abroad for a semester but thought it would be too time consuming since I want to graduate in four years,” she said. “This scholarship was the perfect amount of time and to a unique place.”

The Scandinavian region became very intriguing for Hamilton.

“Most students who study abroad go to France, England or Spain,” she said. “I was very unfamiliar with everything Scandinavian and thought it would be quite the adventure.”

Hamilton’s adventure took her to the coastal cities of Copenhagen, Denmark; Oslo and Bergen, Norway; Stockholm, Sweden; and Helsinki, Finland, over the course of two weeks. She visited opera houses, art museums, palaces, historic Viking museums, and was able to spend time exploring each city.

“Some of my favorite memories include the view from the ski jump used in the 1952 winter Olympics, taking a water taxi to see an opera in Copenhagen, and the Vasa Museum in Stockholm, home to the Vasa ship which sunk after sailing only a mile into her maiden voyage in 1628,” Hamilton said.

As a biology major, Hamilton has been immersed mainly in science classes. “This trip has given me a more well-rounded college experience,” she said. “I’ve been exposed to art, culture and history that I never would have had the opportunity to study during my college career on campus.”

One of the main focuses of the College of Arts and Sciences is to produce graduates that have a well-rounded education in the sciences and liberal arts, said Steven Hoch, dean of the college. “Study abroad scholarships offered by our alumni and friends give students the opportunity to experience life and cultures outside of and different than the United States. It is this type of immersion into other cultures that prepares our students for the world outside of the university,” he said.

Hamilton was so moved by her experience, she hopes to give the same opportunity to students some day.

“This experience motivates me to give back to the university just as the sponsors of this trip have done,” Hamilton said. “I appreciate the opportunity and hope I can provide the same for future UK students.”

ABOVE: Laura Hamilton, a biology junior, in front of the Amalienborg Palace in Copenhagen, Denmark.



Advisory Board Highlight

By Lisa L. Beeler

Michael Grasley, one of the newest members of the Arts & Sciences Dean’s Advisory Board, recently retired from his position as the CEO and president of Shell Chemical

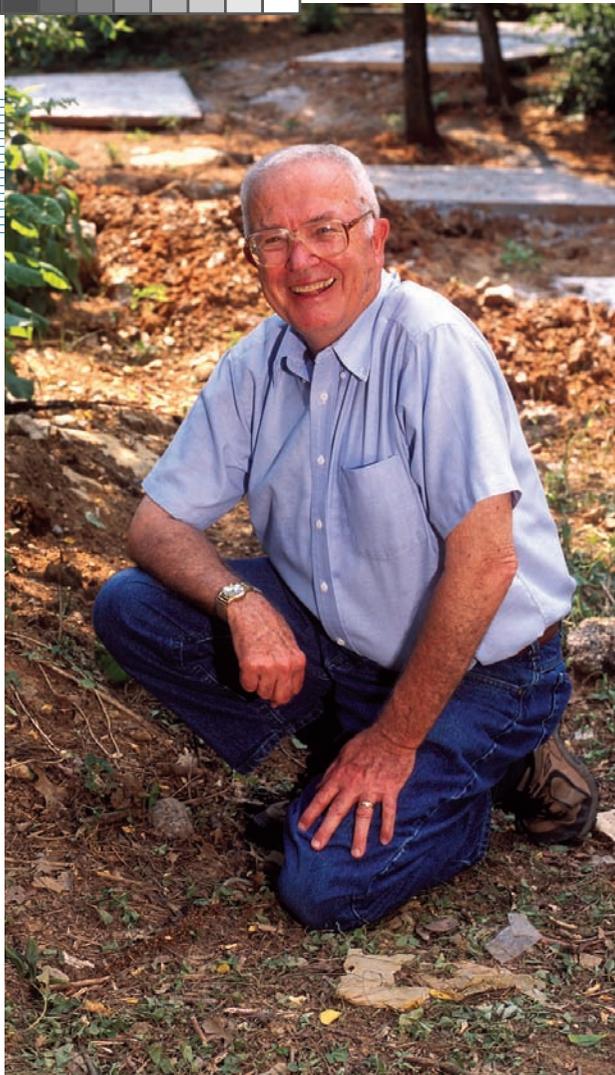
Company. Grasley held the position for more than six years.

After receiving his master’s degree in chemistry at UK, he attained his doctorate in organic chemistry from the University of Florida. After graduation he began work for Shell Development Company, the research arm of Shell Oil Company.

Grasley credits UK as a building block for his successful career.

“An amazing experience such as UK’s graduate program introduced me to skills that would stay with me throughout my career and allow me to work under many different disciplines, not just chemistry.”

Grasley has resided in Houston, Texas, for more than 30 years, but still loves to visit UK’s campus. In 2004, Grasley was inducted into the UK Hall of Fame for his lifetime of achievement. He will now visit UK semiannually to meet with the rest of the members of the advisory board.



Life's Work Spent Studying the Dead

A&S alum is one of the world's leading forensic anthropologists

By Jennifer T. Allen

There is one 12 or 13-year-old female, with great dental work, that he can't get out of his mind. This is a case that haunts him.

"I can't ID her," said Bill Bass, one of the world's leading forensic anthropologists and alumnus of UK's College of Arts and Sciences. "There are cold cases, but they are never really that cold. We are constantly talking about them and there are new techniques that are coming out all the time that may break the case."

Originally from Stephens City, Va., Bass came to Kentucky in the early 50s after being drafted and stationed at Fort Knox. When his military career was up, he decided to come to UK and was admitted to the psychology program with a minor in anthropology.

"Half way through the fall semester I realized I didn't want to spend my time talking to people about their problems all day," he said.



It was then he realized he wanted to make anthropology his career. He received his

Master of Science in anthropology from UK in 1956.

"Dr. Charlie Snow was head of the anthropology department when I was at UK and it is because of him that I am where I am now," Bass said. "He inspired me in the area of forensics and was a phenomenal teacher."

During his career, Bass has worked to uncover reasons of death in famous cases such as the Lindberg baby and J.P. "The Big Bopper" Richardson, who died in the 1959 plane crash that also killed musicians Buddy Holly and Richie Valens. Recently, there has been discussion of excavating Harry Houdini's body – and Bass is on the forensic team for the case.

"Forensics is a puzzle to solve," Bass said. "It's a challenge to figure out who the skeleton is and what happened to them. It's a puzzle and a challenge that I love."

Bass joined the University of Tennessee as a professor in June of 1971 and soon after created the only place on earth dedicated to studying human decay – the Body Farm. There are currently 180 bodies on the farm, some on the surface, some buried, some in cars and trunks.

"I went to the dean in November of 1971 and said I needed some land to put bodies on," Bass said. "The dean didn't blink an eye and the Body Farm started with a sow barn."

Bodies for the farm come from three main places: those not claimed in the medical examiners system, people who wanted their bodies donated to science, but didn't fill out paperwork, and since Bass has become so well-known, 1,000 people have willed their bodies to the University of Tennessee anthropology department.

The Body Farm has been used to train many of the country's leading forensic anthropologists, many of which were trained by Bass and are using their knowledge in crime busting.

Now retired from the University of Tennessee, Bass is still active as ever. He travels the country leading classes on forensic anthropology and continues to give talks. In his free time he likes to camp and travel to one of his favorite locations – Tuscan, Ariz.

"It has definitely been a fun ride," he said.



The Honor Roll

Major Gifts & Endowments

July 1, 2006 – June 30, 2007

Major gifts begin at \$10,000. They can be present gifts, pledged gifts or endowed gifts. Endowment gifts create a lasting legacy by creating or contributing to a restricted fund. An endowment at UK provides perpetual funding for a specific program or department in the college because the initial gift becomes part of the university's investment

portfolio. Only the interest earned is used to support the fund's purpose, which means that the fund will exist in perpetuity.

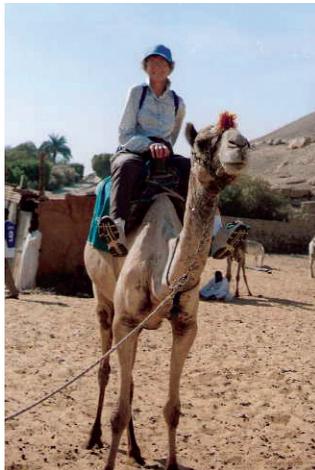
Endowed funds can be used to support a wide range of purposes, including undergraduate scholarships, graduate fellowships, faculty positions such as professorships and chairs, research, special programs and the maintenance of facilities. Endowments and major gifts may be named for the donor and/or individuals the donor wishes to honor or memorialize. **Many thanks to our friends listed.**

Bold: Fellows Society Member

Italic: Bequest Society Member

* : Deceased

(RCTF): Donor's gift will be matched dollar for dollar by the Research Challenge Trust Fund program.



Helping Students Discover the Stars

By Brooke Collins

Dr. Mona Hagyard, '56, lives large. As a researcher for NASA, she picked one of the largest stars in the galaxy to study – the sun. Now retired, she vacations around the world. This year she pledged \$25,000 to UK for the construction and maintenance of the new Observatory. Mona Hagyard doesn't do small.

The new Observatory is the third one built on campus. The first was built in 1902 and the second in 1931. Both were torn down because of campus expansion. By donating this sum of money to provide UK's first Observatory in nearly half a century, Hagyard enters the highest level of donation. It constitutes as a major gift, once again proving that she does things big.

Hagyard majored in physics at UK and then completed her masters and doctorate, making her one of the first women to earn a doctorate in physics from UK. "I never had a single course in astronomy," Hagyard laughed. She said she applied physical principles to astronomy at NASA.

Although she never took an astronomy course, Hagyard said she donated the money so students could have a hands-on learning experience. To her this is important.

"They can see more than just pictures in a textbook," she said.

Hagyard definitely worked hands-on as a research scientist at the Marshall Space Flight Center in Huntsville, Ala. Hagyard worked with other researchers to design and develop an instrument to observe the sun. Later she used the equipment to study the magnetic areas of the sun and their explosive potential. With this research, scientists can better predict severe space weather.

Hagyard joined NASA two years before the moon landing, perhaps at the cusp of the biggest event in America's space history. During the actual landing on the moon event, Hagyard was at Kitt Peak National Observatory in Tucson, Ariz., with another researcher. They carted in an old television while they continued to work. At that point there were no pictures of the moon landing, only Walter Cronkite's four words: "The eagle has landed." But those words were enough for Hagyard. "It was a moving experience," Hagyard recalls. "I got a little tear in my eye and I noticed the guy went off to clear his throat."

Now that Hagyard is retired from NASA, she travels all over the world. In April, she traveled to South Africa for a three-week vacation. "I'm doing things I didn't have time to do while I was working," she said. Hagyard has been to Egypt, Spain and Russia. Later next year she plans to travel to the Galapagos Islands with a Smithsonian tours. There she will see the wonders of the islands including the rare animals like blue-footed boobies, frigate birds and finches, all made famous by Darwin.

Hagyard dreams big and lives out those dreams. By donating to UK, Hagyard will help UK students dream big and look to the stars for inspiration.





\$500,000 and Above

Mr. George A. Bush, Jr. (RCTF)

\$250,000 - \$499,999

**Drs. Phyllis '90 and
Keith MacAdam (RCTF)**

\$100,000 - \$249,999

The Huffaker Family Fund/
Mr. R. Milton Huffaker '57
Newman Foundation, Inc./Carol M. Cottrill
M.D. and John Thomas Rolfes '89 (RCTF)
**The Thomas M. and
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\$50,000 - \$99,999

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**The Honorable Kathy W. '83 and
Mr. Alan M. Stein**
Dr. Charles Tolliver Jr. '57
Mrs. Adalin Wichman '44
Mr. James B. Wixted '77
Dr. Jinzhong Xu '95, '97, '00



College of Arts and Sciences Dean's Circle

The Dean's Circle, founded in 2005, leads the College of Arts and Sciences annual giving effort. It is comprised of alumni and friends who support the college and its departments through yearly leadership gifts. These continual thoughtful gifts provide the college with scholarships for talented students, fund field trip opportunities and support lectures by visiting scholars – all which bring to life textbook and classroom lessons. Members also receive a variety of benefits – such as VIP receptions and yearly visits with college leadership. The Dean's Circle offers four giving categories.

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\$5,000 and up

\$25,000 - \$49,999

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The Robert B. and Helen P. Jewell Scholarship
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\$10,000 to \$24,999

Max Kade Foundation
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Mr. Richard M. Rothfuss '72

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Ms. Amelia S. Crutcher '69
Dr. Mona J. Hagyard '56, '60, '67
Mr. James L. Pear '80
Mr. Robert E. Rich '66
Mrs. Charlotte W. Richardson '62
Dr. Byron T. '72, '76 and
Mrs. Deborah Westerfield
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RIGHT: Mark Hail, UK chemistry alum, with his dog Hootie.

Love of Sciences Discovered at UK

By Brooke Collins

"I wanted to give them some love," Mark Hail laughs, answering why he has given \$1,000 this year and last year to the College of Arts and Sciences. "I owe the school a lot," he continues, more serious. "My success has been due to my start there."

Mark Hail earned a bachelor degree in Chemistry from UK and later went on to get a doctorate in Analytical Chemistry from the University of Florida. Don't worry. Hail is a still a true blue fan.

"You can't really be a cats fan and a Florida fan," he laughed. "I used to wear my Kentucky shirt to the Florida games." Hail said that the Florida fans really didn't appreciate it.

Before Hail became a UK fan he was like many college freshmen: Hail didn't know what he wanted to do. UK chemistry professor Jim Holler helped him figure it out. According to Hail, Holler was doing very interesting things: combining instrumentation, electronics, computers, and analytical chemistry. It is not as confusing and high-tech as it sounds. UK gave Hail an edge in graduate school.

"At UK, I got to be part of an active research group as an undergraduate - working for two summers in Jim Holler's group. I think that experience gave me an edge that a lot of my friends that went to other even more 'expensive' schools did not have," Hail said. He later worked for a global pharmaceutical company, Bristol Myers Squibb (BMS). *continued on next page*



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UK certainly helped him accomplish his goals. After working at BMS, Hail started his own business, Novatia – a New Jersey-based company, with two of his colleagues from BMS. Hail currently serves as president of Novatia. Novatia provides solutions to the pharmaceutical, biotechnology, and chemical industries. Novatia scientists utilize their expertise and chemical instrumentation to develop total analysis solutions. To put it simply, Novatia mainly assists pharmaceutical and biotech companies and answer their chemical analysis questions that arise during product development. Typically, Novatia is asked to identify chemical structures such as degradants, impurities, and metabolites that arise during the drug development process. Novatia also assists their customers by developing methods that can be transferred to the client's laboratory. Hail jokes that Novatia labs are sort of like the laboratories seen on CSI, but "unlike the labs on TV we work with the lights turned on," he said. CSI scientists seem to be discovering compositions and impurities in the dark. "That just doesn't happen in real life," Hail said.

Hail knew what he didn't want when he started his own company. "I really didn't like working for big companies," he said. Hail said that big company stability is contrary to what you might think. There are political battles among various groups. Now running his own business, Hail can work in the areas that he wants. He likes the fact that he can stay in science and limit the time he manages. Science was what interested him in the first place.

But Hail's life isn't all about science. He and his wife Amy love to mountain bike and have a yellow Labrador retriever, named Hootie. "Hootie's in great shape as a 10-year-old, but not as squirrely as he used to be," chuckles Hail about his dog. But like his owner, Hootie found his interest in life too. "He never retrieves, he just chases a laser," Hail laughs. "That's all he wants to do."

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Dr. Leonard E. Wood '52, '57
Mrs. Katherine S. Wright '76, '83
Dr. Ji-Guang Zhang '90
Dr. David F. Zita '82
Mrs. Nancy O. Zoretic '72



Geologist Travels the World

By Brooke Collins

Dr. Leonard Wood arrived on UK's campus in 1947, with his belongings packed into his aunt's old footlocker from her WWI nursing days. He really had no idea what he wanted to do, but a high school teacher mentioned geology.

"Quite frankly I didn't know what that was," Wood said. He was hooked by the first class. For 20 years now he has been giving \$100 annually to the College of Arts and Sciences, the place that helped him figure out his goals and aspirations.

Wood said he was fortunate to go to college just after the war. "I was suddenly thrown in with a group of veterans - survivors - who were quite serious about what they wanted to accomplish."

Wood received his undergraduate degree in geology in 1952, and a commission through ROTC. He served two years in the Signal Corps in France, then returned for his masters at UK, later earning a doctorate at Michigan State University in 1958.

For four years Wood spent virtually every Saturday in the field, learning the basics of field geology.

"During my masters year, Dr. McFarlan had us in the field all day Friday and most of Saturday, from one end of the state to the other," Wood said.

As a result, Wood developed a real love for the outdoors, and even now retired, he and his wife often travel the hour from his home outside Washington, D.C., to the Blue Ridge mountains to drive the back roads, and enjoy the constantly changing environment through the seasons - and invariably bringing home a rock or two, the size of which dictated by his wife.

After completing graduate school Wood spent two years on the Libyan desert with Mobil Oil as a well site geologist. In 1966, Wood set off for Thailand with the Defense Research Projects Agency (DARPA), where he was responsible for establishing an 80 square kilometer research station. The main objective was to work with various Thai agencies, and to teach them the joys of environmental research.

"I stayed clear of their snake hunts, but my teenage son joined their nightly excursions into the forests, dumping their catch on a lab floor for identification." One of the more interesting experiences was conducting a geologic study of Viet Cong tunnels during the war. "They were downright scary," Wood said. The research station and program was turned over to the International Biological Program in 1972.

Wood's remaining years in government were served with the Federal Highway Administration. His environmental group brought an awareness of the roadside environment to the Administration.

"We worked with State Highway Landscapers, instituting a program to bring natural plant species to the roadside environment, and did away with a 'mow everything mentality' so that small bird and animal species would have a home without fear of being mowed into oblivion."

He also introduced research in wetlands restoration and protection, air quality, water quality, noise abatement, peace between deer and the motorist, and devised safe animal migration routes across major highways in the West. Because of Wood and his team, U.S highways have had great success in providing attractive, clean rest areas, not only for people but for their pets.

With all of these projects dealing with nature and environment, Wood found that his education in geology had served him well.



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