



HIGHER GROUND

2012
ANNUAL
REPORT

THE UNIVERSITY of TENNESSEE 
KNOXVILLE
COLLEGE OF ARTS & SCIENCES



FROM THE DEAN



I have completed an exciting first year as dean, and the college is engaging in its first year of a strategic plan adopted last spring. The college remains committed to the tradition of a broad liberal arts education while pursuing the vision of becoming a Top 25 college within a public research university. Now is an opportune time to reflect on the college's accomplishments and new areas of investment during the past year.

Last year, the annual report introduced the five overarching goals of our five-year strategic plan, and this year we report on our progress in providing an excellent education to well-prepared and diverse undergraduate and graduate students; improving the visibility of our faculty research and creative activities and supporting the quality of those endeavors; hiring and rewarding the best faculty and staff; improving the infrastructure of the college; and developing the resource base to support these improvements. These intertwined goals have become more specific and concrete this year after we completed a gap analysis comparing our college to similar liberal arts colleges at Top 25 public research universities. We are now looking beyond our five-year plan to

2020, envisioning our course of action and the resources we will need to close this gap. The most compelling conclusion from our analyses is that accomplishment of our goals of enriching undergraduate and graduate education while increasing research productivity is predicated on three variables: significant growth in the size of our tenure-line faculty with complementary increases in essential graduate student and staff positions and improvements in infrastructure to support their success.

We have made substantive progress in our goals, including refining our academic priorities, making new investments in hiring, and funding new initiatives that support our pursuit of excellence in several key areas. Our report is presented again in sections that relate to our five strategic goals, with stories about the successes of the college from each of our four divisions: humanities, social sciences, natural sciences, and visual and performing arts. I invite you to read about our successful faculty, staff, and students and our many accomplishments during the past year.

Theresa M. Lee, Dean

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SECTION 1. UNDERGRADUATE EDUCATION

Our commitment to excellence in undergraduate education is highlighted by the involvement of our senior faculty in undergraduate instruction, including offering students opportunities to engage in small seminars, independent studies, research experiences, study abroad, internships, and community service. Effective academic advising and tracking of degree progress to four-year graduation also support student success.



LEE PHOTO (PREVIOUS SPREAD) BY JACK PARKER; ARTS HALL PHOTO (PREVIOUS SPREAD) BY PATRICK MURPHY; RACEY / KNOTTS PHOTO COURTESY TENNESSEE ATHLETICS MEDIA RELATIONS

RUNNING WITH HOPE


*She's an outstanding student and athlete. But what really defines **Chelsea Knotts** is her passionate drive to help and inspire others, especially the homeless.*

Chelsea Knotts is a student with many talents, but her determination to use her abilities to enhance another's quality of life makes her stand out from the crowd. The 2012 graduate in biochemistry and cellular and molecular biology (BCMB) was a Torchbearer, a Haslam Scholar, UT's candidate for the Rhodes Scholarship, a Robert C. Byrd Honors Scholarship recipient, a National Merit Scholarship recipient, and a member of the Lady Vols track and field team. But perhaps her most noteworthy accomplishment during her undergraduate years at UT was her leadership and organization of a running club for area homeless.

Knotts says, "I gained a better appreciation for their struggles and a passion for helping people in all walks of life. I also gained meaningful relationships with people that I normally would not have encountered." Since then, her desire to help people has only grown. Now Knotts is enrolled at West Virginia University Medical School to pursue a career as a doctor. She currently assists with research in the neurosurgery research lab and is active in a homeless outreach program that focuses on providing necessities and basic medical care to area homeless.

"BCMB prepared me well for my first year of medical school, giving me an in-depth look at the biology and chemistry underlying basic processes of the human body," she says.

Knotts has been interested in medicine since she was a little girl. The day after she was born, her father passed away due to a brain tumor. Her mother and grandmother were both nurses. In addition to growing up around the field of medicine, her natural empathy to help those in need contributes to her passion.

"On a personal level, I want to help people have a better quality of life while solving problems that affect people universally," Knotts says. "Medicine combines my love of science with my love of people." 



Secret to success

Ask Drew Shapiro the secret to his success, and he'll quickly respond, "Persistence and hard work!"

This was a lesson Shapiro learned at home in Germantown, Tennessee. At UT, while pursuing a rigorous curriculum of science, history, and business, he achieved academic excellence and an admirable record of community service.

Shapiro's campus activities included serving as an executive officer in his fraternity and the Interfraternity Council. As the Student Government Association student services director,

he drew attention to campus safety issues. He served on the Knoxville mayor's Student Advisory Board and volunteered his time to Habitat for Humanity and the Love Kitchen.

Just before graduating in 2012, Shapiro was awarded the coveted Torchbearer award, the university's highest honor for academic achievement and commitment to others through contributions to the university and larger community. Shapiro is currently in the Knoxville Fellows Program and pursuing admission to medical school.

SHAPIRO PHOTO BY NICK MYERS; UT VIDEO & PHOTOGRAPHY CENTER



No boundaries

Candance Swanigan came to UT in 2008 as one of fifteen students in the first class of Haslam Scholars.

Swanigan completed a double major in psychology and French with a pre-med concentration. She also studied abroad in China, France, and Kenya. In Knoxville she volunteered as a cognitive evaluator at the Cole Neuroscience Center and was on the Knoxville Opera Board.

Swanigan graduated in December 2012, and beginning in July 2013 will serve in the Peace Corps, where she will be stationed in the Philippines and work in youth development. She plans to continue her education by merging the fields of medicine and international public health to become a health care provider in communities around the world. Her long-term career goal is to join Doctors Without Borders.

Etching her path

Catherine Widner expected to attend her parents' alma mater of UT following high school graduation. What she didn't anticipate was a major in art.

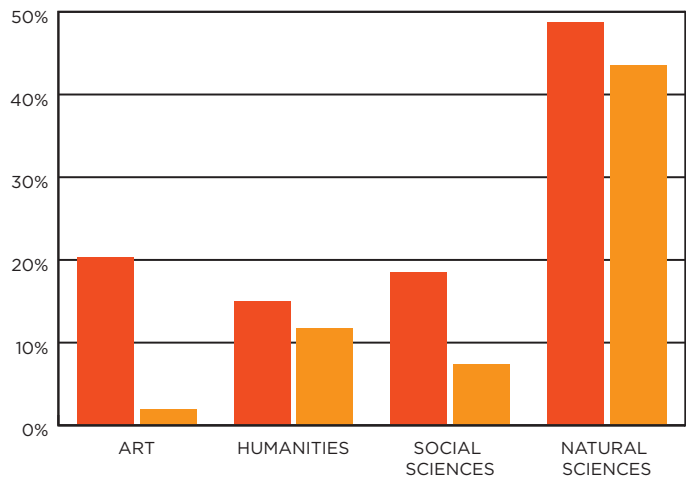
Initially she declared psychology as a major. But then she enrolled in Art 103 as an elective and discovered UT's printmaking program, ranked third in the nation by *U.S. News and World Report*. She was introduced

to the art of printmaking and terrific faculty mentors and was hooked. Widner changed her major from psychology to art and has never looked back.

Widner's capstone project was shown at UT's Downtown Gallery, the Ewing Gallery, and Hodges Library. Following graduation this year, she will pursue graduate studies and an art teaching career.



PERCENT CHANGE IN DEGREES AWARDED, 2007-2011



UNDERGRADUATE

GRADUATE

THEATRICAL THREADS

SECTION 2. GRADUATE EDUCATION

Improving the quality and diversity of graduate students is critical for recruiting top faculty and advancing our research productivity. Our investment this year in raising graduate student stipends to more competitive levels and enhancing recruitment efforts resulted in an increase in diversity and the attraction of a greater number of excellent new students.

Her knowledge of bustiers, bustles, and everything between led to stunning costume designs for UT's production of *Sweeney Todd*. Now, all the world's a stage for MFA student **Miwa Ishii**, and she's ready to bring her dramatic ideas to audiences far and wide.



We have some shepherd's pie peppered with actual shepherd on top," sings Mrs. Lovett. She and Sweeney Todd have just hatched their sinister plan for money and revenge through a bloodthirsty recipe.

The main ingredients, of course, are "a little priest" here, a "Royal Marine" there, and other savory (and not-so-savory) men around London.

When we next see the two antiheroes, they've sold enough of their "meat pies" to go from wearing the tattered, soiled clothes of peasants to sumptuous, colorful Victorian fashions. And we see Mrs. Lovett and Sweeney Todd stand out brilliantly from their fellow Londoners.

Mrs. Lovett and Sweeney Todd's transformation from rags to riches in this case is all thanks to Miwa Ishii, a graduate student pursuing an MFA in theater with a concentration in costume design. Her designs captured the essence of the characters portrayed in the Clarence Brown Theatre's 2012 production of *Sweeney Todd: The Demon Barber of Fleet Street*, starring Jeff Austin and UT alumna Dale Dickey.

A native of Japan, Ishii is a member of a small, elite group to pursue and earn MFAs in theater at UT. Among more than 1,100 applicants, only fourteen students are accepted to the program during each two-year cycle, with concentrations in acting, lighting design, scenic design, and costume design. For three years, students train in the classroom, the studio, and professionally at the Clarence Brown Theatre. Ishii's *Sweeney Todd*

designs were part of her thesis project and will lead to her graduation this May.

"I was always interested in art and studied a little fashion design and tailoring in high school," says Ishii.

However, she wasn't sure what career she wanted to pursue. Instead of staying in Japan—where she would have to declare her major when applying for the college entrance exam—Ishii decided to come to the United States, where she could explore different interests before deciding on her major.

She first earned an AA at Coffeyville Community College and a BA in technical theater at Southwestern College, both in Kansas. She interned at the Goodman Theatre in Chicago and the Shakespeare Theatre Company in Washington, DC, and then came to UT. This year, Ishii is the first UT student to be accepted to both the Young Designers' Forum and the Young Technicians' Forum of the United States Institute for Theatre Technology.

With graduation drawing near, Ishii is focused primarily on the search for her next project, whether it be for stage, film, or television.

"I do hope that I will get to work on a piece that relates to a modern audience," Ishii says. "After all, the reason I create costumes is not because I adore pretty garments (though I definitely do), but because I aspire to tell a story that can touch, move, and affect people. Costumery is one of the tools that help create this communication." ■



Southern scholar

Perhaps it was Katie Burnett's Tennessee upbringing that led to her interest in nineteenth-century Southern literature, but the doctoral student's own expert scholarship earned her the prestigious Andrew W. Mellon Foundation/ACLS Dissertation Completion Fellowship for her dissertation project, "The Dixie Plantation State: Antebellum Fiction and Global Capitalism." While researching pre-Civil War literature, she has uncovered patterns that reveal how Southern culture is perceived today.

In addition to being the first graduate student of the Department of English to ever win a Mellon fellowship, Burnett was also chosen as part of the inaugural class of University of Tennessee Humanities Center fellows. As a resident at the center this year, she has been able to focus solely on her dissertation project without other distractions.

After earning the doctoral degree, Burnett will seek an assistant professorship in English at a college or university and begin working on her first book.

Out of this world

Simple backyard astronomy is what initially drew doctoral candidate Chris Tate to physics and astronomy. Tate's fascination with space dates back to his early childhood, when he followed NASA missions on TV. He never dreamed he would be in the middle of one.

Since August 2012, Tate has worked with the science team on NASA's *Curiosity* rover mission. His doctoral advisor, Jeff Moersch, a seasoned member of NASA research teams, has his back. As a "payload uplink lead," Tate assembles and verifies the command sequence for his team's neutron detector, which searches for hydrogen in water and hydrated minerals, thus offering clues to whether an area is hospitable for life.

"It's unbelievable," Tate says. "Telling a rover on another planet 150 million miles away to do something is awesome."



Chris Tate (left) and Jeff Moersch, associate professor of earth and planetary sciences, at NASA's Jet Propulsion Laboratory as the *Curiosity* rover approaches Mars (shown on the screen)

A veteran's perspective

Doug Oeser's biggest life lesson didn't come from a textbook, teacher, or parent, but from serving two years in Afghanistan with the US Army.

"My experience working with foreign intelligence officers and Afghani people taught me to continuously evaluate my own actions while seeking to better comprehend

the perspectives of those with whom I interacted," Oeser says.

Upon returning to America, Oeser sought to build on his newfound understanding and is pursuing a master's degree in sociology. By researching war's impact, he hopes to someday have an influence on policymaking to prevent circumstances like those he faced in Afghanistan.



BURNETT AND OESER PHOTOS BY NICK MYERS; UT VIDEO & PHOTOGRAPHY CENTER
ISHII PHOTO (PREVIOUS SPREAD) BY PATRICK MURPHY-ACEY; SKETCHES BY MIWA ISHII



CENTER OF THOUGHT

SECTION 3. RESEARCH AND CREATIVE ACTIVITY

The percent of faculty with research funding continues to rise, and the research expenditures remain steady despite the challenges of budget cuts in federal funding agencies. The UT Humanities Center named its inaugural class of fellows this year, while interdisciplinary research is flourishing in the Center for the Study of Social Justice and the Marco Institute for Medieval and Renaissance Studies.

The humanities focus on the quest for understanding the human experience throughout history. Disciplines like philosophy, religion, history, and classic and modern literatures and languages reveal the various ways people of ancient and modern times interpret, document, process, and communicate their experience.

Using methods that are analytical, comparative, critical, and sometimes speculative, humanities faculty may pursue their scholarship and discovery through the examination of frayed ancient documents, comparisons of accounts of historical events, interpretation of cultural myths and rituals, and reflection on contemporary ethical issues in modern science and social policy.

Humanities education is perhaps the most transformative part of the undergraduate experience because these studies require students to consider the meaning of what it is to be human, our place in the universe, and our inherent obligation to extend compassion and social justice to one another.

Established by the college in 2012, the UT Humanities Center—directed by Thomas Heffernan, the Kenneth Curry Professor of the Humanities—aims to enrich teaching and research in the humanities and encourage collaboration not only among humanities faculty, but also between faculty in the humanities and other disciplines. It also emphasizes the heightened relevance of the humanities in an increasingly technological and global society. ■

Collaborating to address adversity



Grad student Adrienne Kembel (right) interviews an Acholi clan elder in Uganda about the proper rituals to conduct for those who died during the civil war between the Lord's Resistance Army and the Ugandan government forces.

The Department of Anthropology has launched a pioneering new program on disasters, displacement, and human rights (DDHR). The new DDHR program integrates the research interests of a number of faculty and opens another arena for faculty and graduate students to engage in public scholarship addressing large and challenging societal problems and issues. It also enriches the college's graduate and undergraduate curriculum with a graduate certificate and undergraduate concentration to be implemented in the fall of 2013.

The program incorporates many of the college's educational goals for students by providing opportunities to engage in research and study abroad, to develop knowledge and skills in a real-world context, and to become global citizens. Innovative programs like DDHR also advance the university's progress in its journey to become a Top 25 public research university. The core faculty are Dawnie Steadman, Tricia Hepner, Greg Button, Marisa Ensor, Bertin Louis, and Amy Mundorff.

Preparation for the world stage

UT Opera Theatre, a nationally competitive graduate program, is respected for its excellence and the quality and placement of its graduates.

Director James Marvel says his goal is to create a world-class training program for pre-professional opera singers.

"Between our ever-growing relationship with the professional Knoxville Opera Company and our own productions, our students are given many more performance opportunities than most of their colleagues in other programs," Marvel says. "Part of our appeal is that we keep the program smaller by design so that each student receives individual attention. We currently have several students performing with major companies in America and around the world."

Soprano Maria Natale is currently singing the role of Liu in the Sarasota Opera production of Puccini's *Turandot*, bass Kevin Burdette has sung with Paris Opera and is



Grad student Maria Natale in UT Opera Theatre's 2012 adaptation of Mozart's classic comedy, *The Marriage of Figaro*, where Elvis is star and pop culture takes center stage

a regular with the Metropolitan Opera, and bass Craig Irvin has appeared often with the Chicago Lyric Opera. Current student and soprano

Linda Brimer will be with the San Francisco Opera during the summer as a member of their prestigious Merola Opera Program.

Cutting-edge tools

The university has two new, cutting-edge microscopes worth \$3.5 million. The Zeiss Libra 200 Transmission Electron Microscope has the power to see at the atomic level, while the Zeiss Auriga CrossBeam microscope has the power to slice and cut at the nano scale. The microscopes are key to discovering and improving advanced materials used in areas like medicine, nuclear security, nanotechnology, and green power. They eventually will be housed in the new building for the Joint Institute for Advanced Materials (JIAM).

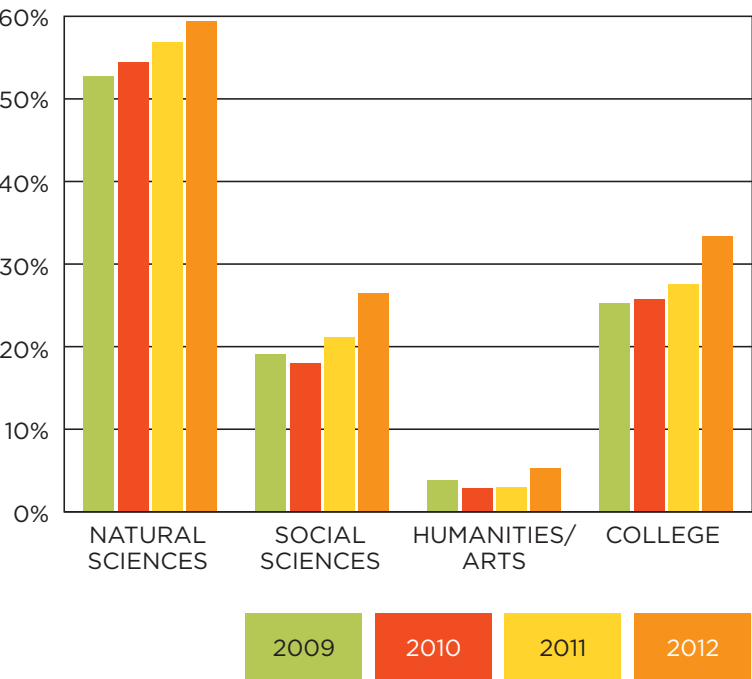
The microscopes are among the most powerful in the world and unique in that they can be controlled remotely. Complementary to capabilities at Oak Ridge National Laboratory, the new microscopes will be used for fundamental research and training of students in several departments of the college, including chemistry, physics, biological sciences, and earth and planetary sciences.

Established in 2005, JIAM comprises a multidisciplinary team of scientists from UT and Oak Ridge National Laboratory and operates at the forefront of modern materials science in facilities across campus. The permanent site of JIAM, located at Cherokee Farm, is currently under construction and slated to open in 2015 as a state-of-the-art materials research center.



Jon Camden (right), assistant professor of chemistry and an NSF CAREER Award recipient, and grad students Vighter Iberi and Sarah Griffin use the Zeiss Libra 200 microscope.

PERCENT FACULTY WITH EXTERNAL FUNDING EXPENDITURES, 2009-2012



FACULTY EXCELLENCE

3 New Fulbright Awards

ONE New National Humanities Center Fellowship
2 New NSF CAREER Awards
5 New AAAS Fellows

4 American Mathematical Society Fellows (inaugural class)

UT IS A LEADER in National Endowment for the Humanities (NEH) research fellowships for university faculty. According to the NEH, UT ranks eighth in the United States, with ten fellowship awards.



SECTION 4. FACULTY AND STAFF

Our faculty are national and international leaders in their respective disciplines. Nine percent received prestigious awards for their research in the last year, and department rankings continue to rise. Achieving our educational and research goals is dependent on increasing the number of tenure-track faculty, as well as graduate students and skilled staff who support their work.

Dan Simberloff (right) and doctoral student Sara Kuebbing work with invasive plant species in a Knoxville-area forest.

GREEN THUMBPRINT

As a graduate student at Harvard, **Dan Simberloff** was interested in conservation ecology and biodiversity. His academic interest in invasive species was sparked when it occurred to him that they could be useful in testing ecological theories. Thus began his pathbreaking research in a field that would not come into its own until the mid to late 1980s.

After earning his bachelor's and doctoral degrees, Simberloff quickly gained prominence in the field of ecology and was appointed to the Nature Conservancy's Board of Governors. A part of each meeting was a report from the staff hired as land stewards who managed the more than a million acres of land reserves owned by the conservancy. Simberloff observed that the bulk of the stewards' reports related to frustrations with invasive species. He listened to these reports, learning about non-native plants and animals that threatened native communities and ecosystems. He was compelled to make the issue a focus of his inquiry, and his research took on practical significance.

Years later, Simberloff has become an internationally recognized expert on invasive species, their conservation implications, and their impact on the loss of biodiversity. He has published more than 500 peer-reviewed papers, popular articles, and book reviews and is the senior editor of the new *Encyclopedia of Biological Invasions*.

Simberloff is the distinguished professor and Nancy Gore-Hunger Professor of Environmental Studies in the Department of Ecology and Evolutionary Biology. His honors include election as a fellow of the American Academy of Arts and Sciences in 1993, the Eminent Ecologist Award of the Ecological Society of America in 2006, and the 2012 Ramon Margalef Award for ecology, the world's preeminent prize for ecology and environmental science. Simberloff is also a member of the prestigious National Academy of Sciences.



Beyond recognition of his professional success, Simberloff is committed to mentoring junior colleagues and students, including doctoral student Sara Kuebbing. Simberloff serves as the major professor for Kuebbing's dissertation. She is one of three recipients of the 2012 Graduate Student Policy Awards presented by the Ecological Society of America to recognize exemplary student research with implications for public policy. Not surprisingly, her doctoral research examines solutions and management of invasive plant species. She is prepared to carry on her distinguished mentor's work. ■

The tales bones tell

While crime scene investigation shows are among the most popular on TV, real-life forensic science is not for the faint of heart, as Dawnie Steadman, professor and director of the Forensic Anthropology Center, can attest. For nearly twenty years, she has researched skeletal biology, evaluated the diseases of ancient populations, and helped identify missing persons in forensic anthropological casework and human rights investigations.

Her research includes prehistoric and historic cemetery sites, human rights investigations in Argentina, Spain, and Cyprus, and a National

Science Foundation-funded study on warfare and community health in prehistoric Tennessee. Her book, *Hard Evidence: Case Studies in Forensic Anthropology*, emphasizes the multidisciplinary, collaborative nature of her field.

While Steadman regularly consults for medical examiners and law enforcement, she is quick to add that her role doesn't include interrogating suspects and synthesizing all the evidence in a case—contrary to shows like *CSI*. However, Steadman is grateful that such shows have heightened interest in the fields of anthropology and science.



Misty Anderson's (above right) research focuses on pieces like James Gilray's "The End of the Irish Farce of Catholic Emancipation" (left).

What's so funny about Methodists?

Serendipity led Misty Anderson, professor of English, down a new avenue of scholarship six years ago.

Anderson had published *Female Playwrights and Eighteenth-Century Comedy: Marriage on the London Stage* and numerous scholarly articles. She intended to write her second book about theatrical after-pieces in the eighteenth

century. These were short, topical, and usually humorous plays that would come at the end of an evening in the theater. In the process of her research, she discovered a bounty of material about Methodists that posed a question: What's so funny about Methodists?

Her findings appear in *Imagining Methodism in Eighteenth-Century*

Britain: Belief, Enthusiasm, and the Borders of the Self and in an exhibit she curated, *Sacred Satire: Lampooning Religious Belief in the Eighteenth Century*, a gallery show of eighteenth-century prints, caricatures, cartoons, and lithographs that ran through March 2012 at Yale University's Lewis Walpole Library.

'Handwriting of humankind'

From a cash register receipt to a precious gemstone, objects of all forms can be a source of inspiration for Jered Sprecher, associate professor of art. His eclectic aesthetic explores what he calls the "handwriting of



humankind"—the vast array of marks and images made throughout human history.

"I try to grasp a single moment, a glance, a small epiphany," Sprecher says. "The paintings are haptic documents of these remnants of communication."

Throughout his career, Sprecher has received numerous honors, awards, and grants for his abstract paintings and drawings, which have been showcased in twenty-five solo exhibitions, seventy group exhibitions, and ten juried exhibitions in US and European galleries. In 2003, he received the Marie Walsh Sharpe Foundation Fellowship; in 2009, the prestigious John Simon Guggenheim Memorial Foundation Fellowship; and in 2010, the UT Chancellor's Award for Professional Promise in Research and Creative Achievement. He will be an artist in residence this summer at the Chinati Foundation in Marfa, Texas.

GILRAY IMAGE COURTESY THE LEWIS WALPOLE LIBRARY, YALE UNIVERSITY. ANDERSON PHOTO BY PATRICK MURPHY-BACEY. SIMBERLOFF PHOTOS BY JACK PARKER. STEADMAN PHOTO BY NICK WILERS. UT VIDEO & PHOTOGRAPHY CENTER

GRADUATE PROGRAM RANKINGS
(AMONG PUBLIC UNIVERSITIES)

RANK	DEPARTMENT/PROGRAM
3	Printmaking ¹ (program of Art)
16	Spanish & Portuguese ² (program of Modern Foreign Languages & Literatures)
17	Art ¹
17	Microbiology ²
25	Geography ²
32	Ecology & Evolutionary Biology ²
34	Anthropology ²
34	Physics & Astronomy ¹
43	English ¹
47	Clinical Psychology ¹ (program of Psychology)
50	Chemistry ¹
51	History ¹
54	Mathematics ¹
55	Political Science ¹
57	Philosophy ²
59	Sociology ¹
61	Biochemistry and Cellular & Molecular Biology ³
64	Earth & Planetary Sciences ¹
67	Psychology ¹

Not ranked (due to lack of terminal degree or size of program): Classics, Modern Foreign Languages & Literatures, Music, Religious Studies, Theatre

¹ 2012, U.S. News and World Report
² 2010, NRC; used midpoint of range provided by NRC report to give a single number
³ 2012, U.S. News and World Report; medical schools removed; public universities that have medical schools that are not listed separately were not removed

OUR COMMITMENT

Our faculty are committed to producing graduates with the skills to communicate clearly, think independently, solve problems, work collaboratively, adapt to a changing world, and engage in lifelong learning and who have knowledge of self and an understanding of the world to lead a meaningful life, pursue a productive and engaging career, and find ways to make their community a better place in which to live.



From cartwheels to cartography

Twenty-six years ago, Will Fontanez came to the city of Knoxville to coach gymnastics, but after learning of an opening in UT’s geography department, he applied and was named director of the Cartographic Services Laboratory.

Under his leadership, the lab is nationally recognized and produces thematic maps, maps for journals and textbooks, and maps of the UT campus and the Great Smoky Mountains.

Fontanez also teaches introductory mapmaking. Nine of his students have interned with the National Geographic map division, and six have worked for the CIA’s cartographic division.

Beyond mapping, Fontanez serves as the east technical director for the National Gymnastics Judges Association, is internationally certified, and assigns officials for USA Gymnastics events.

FONTANEZ (IN UT LIBRARIES MAP SERVICES) PHOTO BY NICK HENERS; UT VIDEO & PHOTOGRAPHY CENTER; HARRISON PHOTO BY PATRICK MURPHY-RACEY



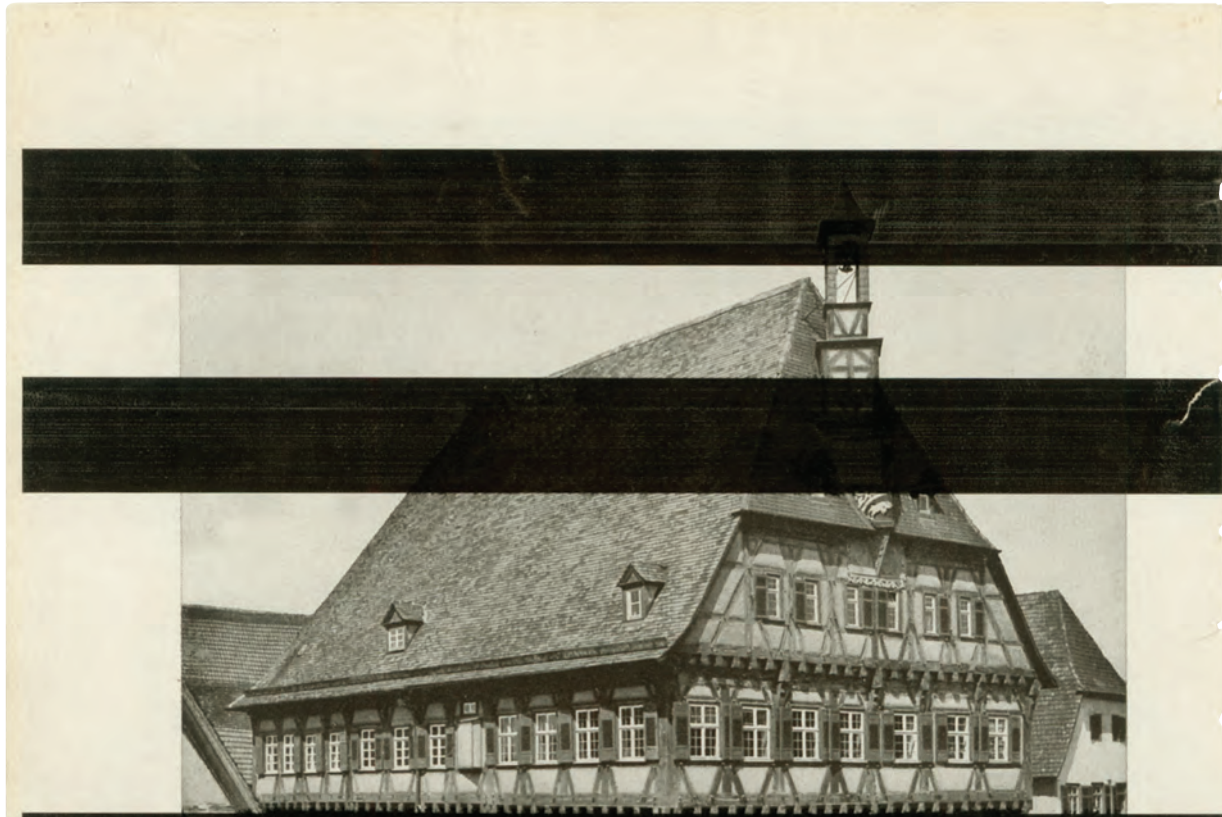
‘Gold Star’ mom

Kim Harrison has a motto that helps her face each day, borrowed from Maya Angelou: “Having courage does not mean that we are unafraid. Having courage and showing courage mean we face our fears. We are able to say, ‘I have fallen, but I will get up.’”

A dedicated administrative specialist for the Department of History, Harrison lost her son Daniel in 2004 when he was killed in combat while serving in Iraq. Without the support of the department, Harrison says she wouldn’t have made it through the tragedy.

Now, Harrison stays busy in her free time as president of the Volunteer Chapter of American Gold Star Mothers, coordinating fundraisers to support organizations like HonorAir Knoxville, A Soldier’s Child Birthday Foundation, and the Fisher House Foundation. Last year, she took the “Leap of Faith” jump from an airplane with paratroopers of the 101st Airborne in honor of her son.

“I know Daniel would want me to keep on living,” Harrison says. “I do it for him.”



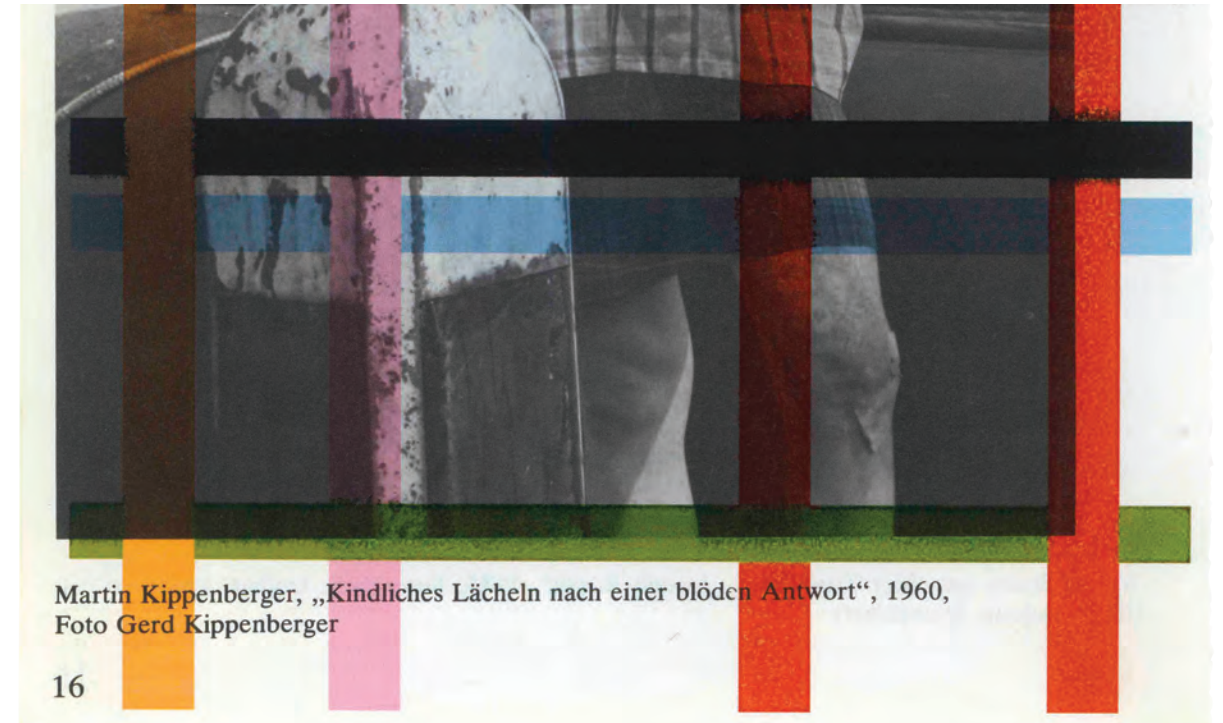
X's & U's

Wade Guyton finds art in technology



SECTION 5. ALUMNI AND DONORS

Alumni give back to the college in many ways. Their life stories exemplify the value of a liberal arts education and its lasting relevance to society today. The advocacy and generous philanthropic support of donors—as alumni or friends—strengthens the college and heightens the excellence we can achieve.



IMAGES © WADE GUYTON. PHOTOGRAPHS BY RON ANSTUTZ

In an artist's toolbox, there are many instruments: paint, brushes, pencils, clay. One might think that a computer, a scanner, and a wide-format printer wouldn't fit there, but Accomplished Alumnus Wade Guyton ('95) would disagree.

Guyton's use of nontraditional materials and media has earned him much praise and exhibitions throughout Europe. Recently, he became the first UT alumnus to feature work at the world-renowned Whitney Museum of American Art in New York City.

The exhibition, *Wade Guyton OS*, was a mid-career survey of Guyton's art. Included in the exhibit were pieces that perhaps began as a page in a book that he ripped out, scanned, molded to his liking, and printed on his Epson Stylus. He also favors the use of X's and U's in his work, and any glitches, globs, or smears that result from printing become part of his art.

As an elementary school student in Lake City, Tennessee, Guyton says he didn't have the feel for drawing, so he let his stepfather complete his art assignments. It was at UT that Guyton says he was "seduced by art." As a member of the College Scholars program, he was able to tailor his coursework to accommodate his desire to become an artist. He earned a bachelor's degree with an emphasis in fine arts and cultural theory.

Guyton left for New York City in 1996, studied at Hunter College, and worked at the Dia Art Foundation and a local bookstore. When the foundation closed its doors, Guyton moved to a studio in the East Village. His small space quickly filled up with materials for sculptures, and space was scarce, so he began working with paper. He bought notebooks but couldn't figure out what exactly to do with the paper.

"I started tearing out pages of books and magazines that were around the studio and started making marks on them or just X-ing out images," Guyton told *The New York Times*. "Then I realized that the process of drawing didn't make sense to me. The labor didn't match up to what I was trying to do. And I thought the printer could make these things better than I could."

Guyton has maintained strong ties with the School of Art at UT. He has recommended artists to participate in its highly competitive Artist-in-Residence (AIR) program and in exhibitions at local galleries. Most recently, he and fellow alumni artists Meredyth Sparks ('94) and Josh Smith ('98) have launched an initiative to curate and produce a series of three limited-edition art boxes of artwork by selected UT alumni and former AIRs to



help the school's fundraising effort to endow the AIR program.

"I would not be an artist," says Guyton, "if it were not for my UT experience." 📦

GUYTON PORTRAIT BY DAVID ARMSTRONG BOTTOM IMAGE © WADE GUYTON PHOTO BY RON ANSTUTZ

Big Orange pride

Although Jeff and Debbie Chapman have spent most of their lives in Georgia, they feel a strong sense of ownership and pride in the state of Tennessee and UT. Jeff is a 1976 graduate of political science and now chairs the department's advisory board. He and Debbie also serve on the Dean's Advisory Board.

Because the Chapmans have experienced the benefits of having a liberal arts degree, they seek

to ensure others have the same opportunity. They make annual gifts to several arts and sciences departments and have an estate commitment for the Department of Political Science.

"Investing in higher education leads to better jobs and a higher standard of living for the state," Jeff says. "We believe it's the duty of every alumnus to make a contribution to the college."



Setting the stage

Recently, the Clarence Brown Theatre (CBT) has become a visible link between UT, the city of Knoxville, and the East Tennessee community, due in large part to the enthusiastic work of the CBT Advisory Board.

When Cal MacLean became department head seven years ago, his goal was to engage the board in increasing community support for the theatre. The board quickly adopted a commitment to extend the work of the CBT into the social fabric of the community, tying contributions to social events and galas.

Now, the CBT has been able to fund professional resident and guest artists, thanks to donors like long-time board member Bob Parrott, who acknowledges that superior performances by educators, staff, and students deserve recognition and support.

Liz Stowers, current chair of the board, says theater brings intellectual, culturally literate people together from diverse academic backgrounds.

"We in the community feel compelled to support the university for its gift of theatre to this region," she says. "The arts are the civilizing component of any society."



Liz Stowers, chair of the CBT Advisory Board and co-chair of the CBT Gala, theater department chair Cal MacLean, resident artist Carol Mayo Jenkins, and Mimi Turner, co-chair of the CBT Gala



On track

Three-time Olympian and world champion Dee Dee Trotter ('05) is best known for her speed, but before she was on the medal stand, she was a UT sociology major. She grew up wanting to play basketball for the Lady Vols but found her road to UT through track and field.

Although it meant forfeiting a year of athletic eligibility to pursue a professional track and field career, Trotter stayed in Knoxville to earn her college degree. She credits her UT classes with giving her an understanding of the social causes and consequences of human behavior, which she applies when mentoring young adults.

These days, when Trotter isn't on the track or on a fashion shoot for Wilhelmina Models, she's working with her own nonprofit organization, Test Me I'm Clean, dedicated to educating athletes about the dangers of performance-enhancing drugs.

Living the good life

James Trolinger could be the poster alumnus for the college, having combined interests in science and art to pursue a productive career, a fulfilling life, and a commitment to making the world better.

Trolinger began his career after earning a BS and PhD in physics at UT. The physics department presented him with a Distinguished Alumni Award in 2009 for his outstanding contributions to research and applications of lasers and holography, the basis for a career that has involved two successful businesses and pioneering work on sophisticated measurements and imaging.

His global travel to places not in tourist brochures has been the inspiration for a bounty of paintings, many on exhibit in museums worldwide. Their value and desirability notwithstanding, Trolinger



paintings are not for sale. One may be obtained only through a contribution to cancer research.

To nurture the development of the

next generation of physicists, he has established the James Trolinger Entrepreneurial Scholarship in Physics and Astronomy.

Pitch perfect

Had it not been for his baseball talent and his now signature knuckleball, R. A. Dickey might have become an English professor. The former Vol has always had a love for literature and in 2012 became an author himself, writing his autobiography, *Wherever I Wind Up: My Quest for Truth, Authenticity and the Perfect Knuckleball*. The book chronicles his “journey to healing” from being a sexually abused child.

“The book is a memoir, a deeply personal narrative about my life,” Dickey says. “I love baseball, I love competing, and I think there’s a lot of good baseball insight in the book, but the most important thing to me was to tell the truth and to share my story, because it strengthens me, and I think it can help other people.”

A lot has happened since he wrote his life story last year. He became the first knuckleballer to receive the Cy Young Award (one of Major League Baseball’s highest honors), was traded by the New York Mets to the Toronto Blue Jays, and, most recently, completed a humanitarian trip to Mumbai with his daughters on behalf of Bombay Teen Challenge, a Christian organization that rescues women and children from sex trafficking.

“There was a time in my life I would think to myself, ‘When’s the other shoe going to drop?’” he says. “Like, looking for the next trauma around the corner. Thankfully, I’ve grown out of that place. Now I’m just so involved with trying to invest in the moment.”



R. A. Dickey during his time as a Vol

Honoring the brave

A week after marrying Katherine Davis ('36), Kyle Campbell Moore's “other love” came calling.

Described as “very beautiful, slim, sleek with a clipper prow,” the *USS Indianapolis* promised “dangerous exciting contests in faraway places.” So Moore journeyed to the Aleutians on July 30, 1942, to join the heavy cruiser, where he spent the next three years serving throughout the Pacific. Promoted to lieutenant commander and named the officer-in-charge of the hull department, Moore, who had spent thirteen years as a journalist and photographer, was “fighting the war with more than a typewriter.”

After a brief stop at Guam on the way to Leyte, the *USS Indianapolis* was torpedoed by Japanese submarine *I-58* around midnight on July 30, 1945. Moore

was supervisor-of-the-watch on the bridge. He survived the first explosions and went below twice to survey the damage, which was so massive that the ship sank in just twelve minutes. Only 316 of the 1,197 men on board survived. Moore wasn't one of them.

“He was the most interesting man I've ever known,” says Katherine of her husband, who was posthumously awarded the Silver Star for heroism beyond the call of duty. “He was smart, talented, skilled, creative, industrious, generous, sensitive, a true Scot in many ways, unafraid, sincere, funny, and loving. He never lost a friend or forgave an enemy.... He was a good father, a compassionate son, a wonderful husband, and a splendid naval officer.”

Preserving the memory of Moore and so many others like him,



Kyle Campbell Moore

Katherine established the Kyle Campbell Moore Endowment at UT's Center for the Study of War and Society.

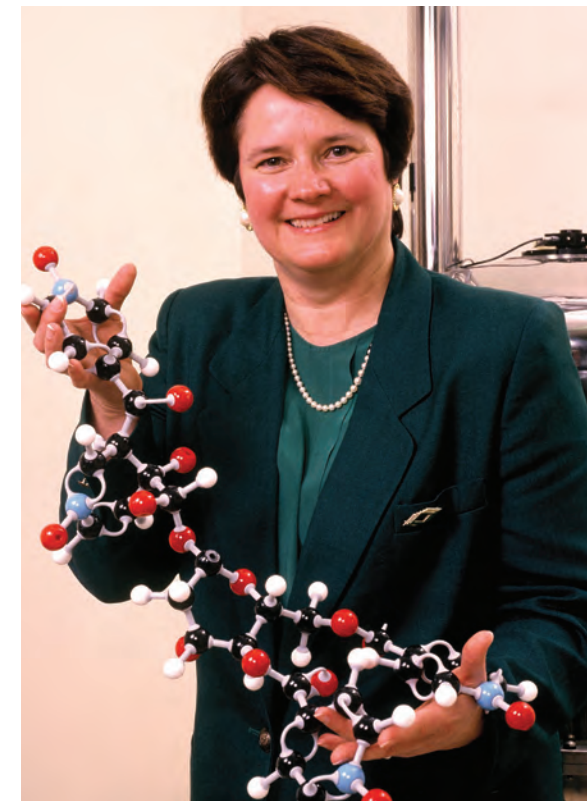
Good chemistry

Alumna Diane Grob Schmidt credits teachers for nurturing her passion for chemistry and providing a foundation for a successful career that has produced US and international patents, publications in major scientific journals, and national recognition for her professional leadership and accomplishments.

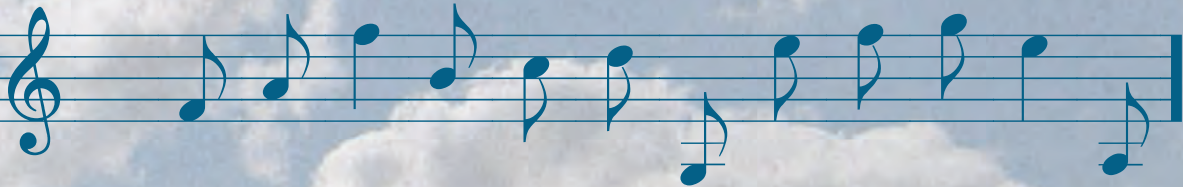
She is a fellow of the American Chemical Society, has served as a member of their board (2002-2010) and executive committee, and received their prestigious Henry Hill Award. Currently she is a section head in research and development with the Procter & Gamble Company in Cincinnati.

Schmidt earned an AB in chemistry from UT's Chattanooga campus, an MS in organic chemistry at the Knoxville campus, and a PhD in organic chemistry at the University of Cincinnati.

Committed to giving back to her Knoxville alma mater, she and her husband Warren contribute financially to the college and the Department of Chemistry, and she currently chairs the Dean's Advisory Board and Chemistry's Board of Visitors.



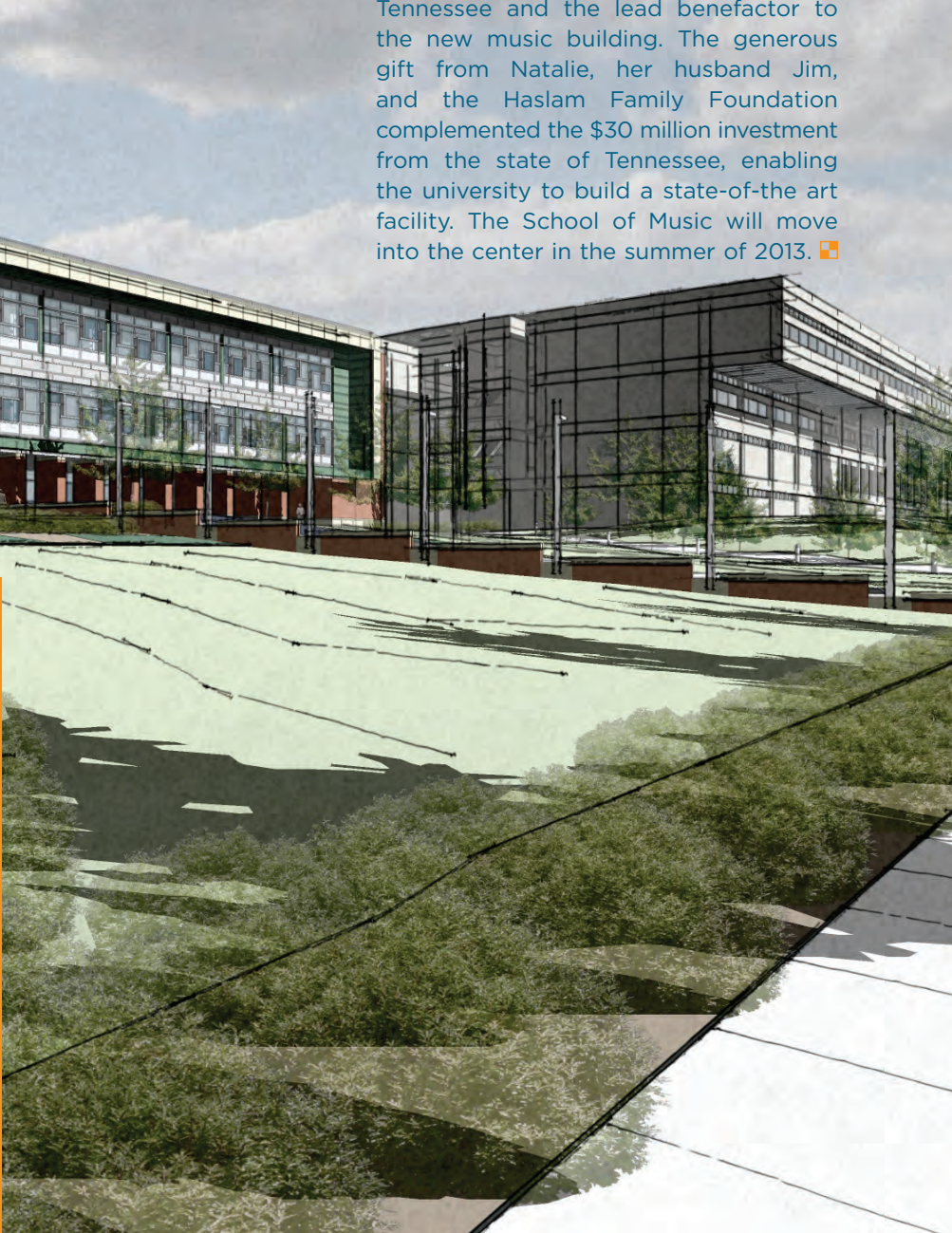
ALL THE RIGHT NOTES



UT's Natalie L. Haslam Music Center is named for Natalie Leach Haslam, a passionate supporter of the arts in East Tennessee and the lead benefactor to the new music building. The generous gift from Natalie, her husband Jim, and the Haslam Family Foundation complemented the \$30 million investment from the state of Tennessee, enabling the university to build a state-of-the-art facility. The School of Music will move into the center in the summer of 2013.

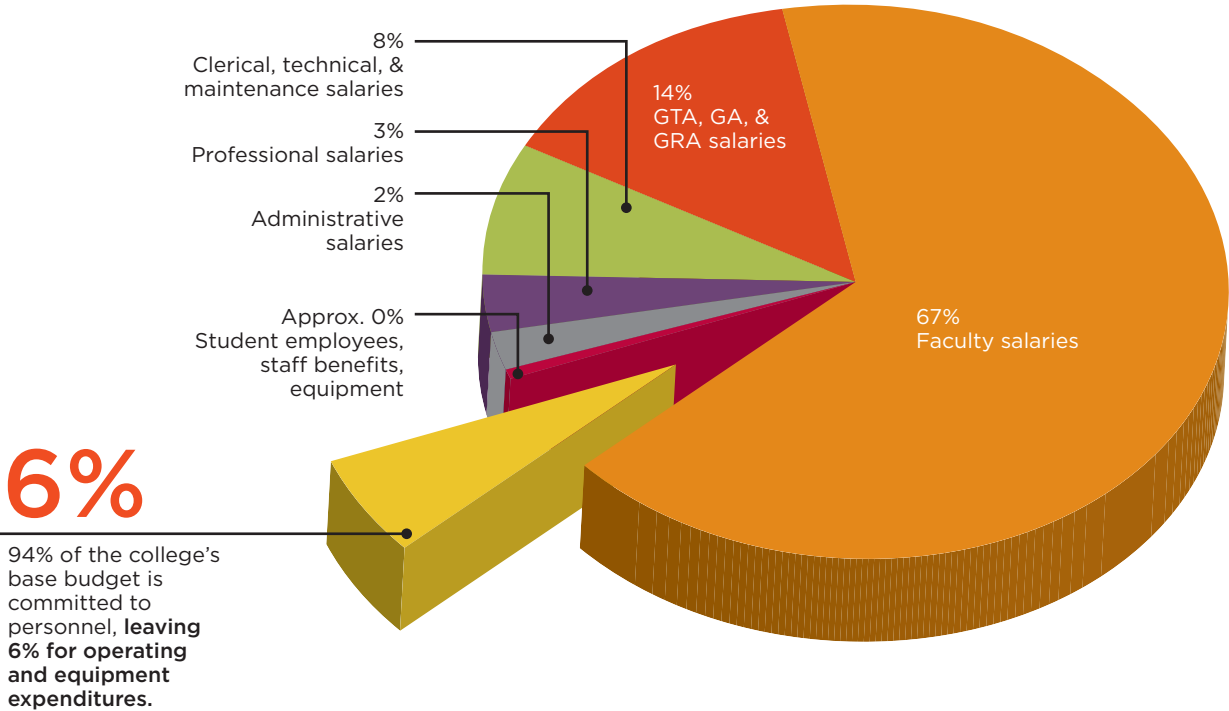
SECTION 6. RESOURCES AND INFRASTRUCTURE

We are partnering with the university to modernize our teaching and research facilities. Two recent projects include the renovation of classrooms in the Humanities and Social Sciences Building and relocating the Psychology Clinic from the Austin Peay Building to new space in the UT Conference Center, with improved access to parking and clients.



RENDERING ©ASSOCIATED MUSIC CENTER ARCHITECTS

BASE BUDGET BY COMMITMENT, FY12



Faculty salaries	37,346,481
GTA, GA, and GRA salaries	7,976,573
TOTAL ACADEMIC SALARIES	45,323,054

Administrative salaries ¹	1,294,612
Professional salaries ²	1,959,823
Clerical, technical, and maintenance salaries ³	4,284,802
TOTAL NONACADEMIC SALARIES	7,539,237

Student employees	193,446
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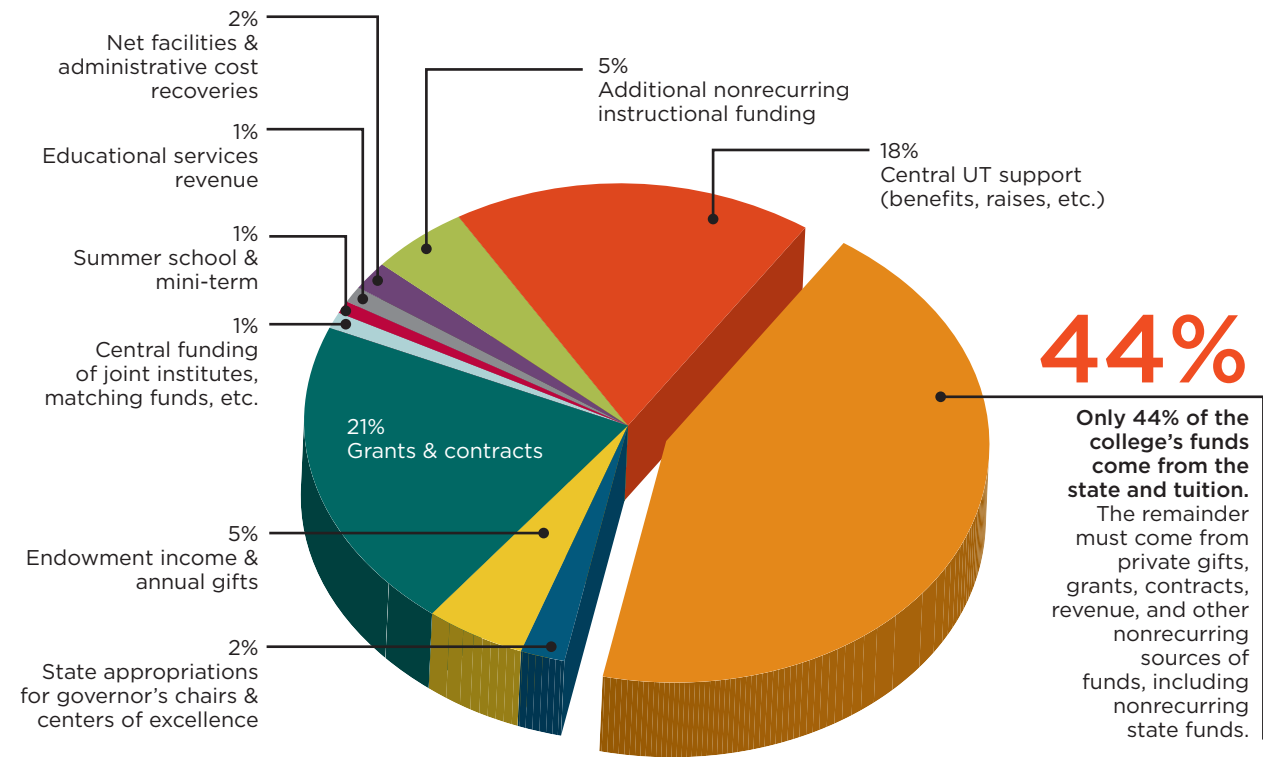
TOTAL SALARIES	53,055,737
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Staff benefits	15,756
Equipment	87,714
Operating ⁴	3,149,287

TOTAL BASE BUDGET	\$56,308,494
--------------------------	---------------------

¹ Includes salaries for laboratory directors, business managers, director of communications, technical directors, etc.
² Includes salaries for stage manager, mass spectrometer director, computer systems directors, etc.
³ Includes salaries for clerical staff and other staff, such as costumers, carpenters, piano tuner, electronic specialists, information technologists, etc.
⁴ Includes printing/duplication; supplies, including laboratory supplies; computer services; communications (postage and telephones); professional travel; maintenance and repairs; etc.

SOURCES OF FUNDS, FY12



Base-budget state funds and tuition (recurring)	56,308,494
Central UT support (benefits, raises, funding transfers, net carryover)	22,088,633
Additional nonrecurring instructional funding	6,153,562
Net facilities and administrative cost recoveries	1,952,775
Educational services revenue ¹	1,823,981
Summer school and mini-term	1,772,326
Central funding of joint institutes, matching funds, etc.	1,800,142
TOTAL UNRESTRICTED² SOURCES OF FUNDS	91,899,913
Grants and contracts	26,109,043
Endowment income and annual gifts	6,406,400
State appropriations for governor's chairs and centers of excellence	2,252,759
TOTAL RESTRICTED³ SOURCES OF FUNDS	34,768,202
TOTAL SOURCES OF FUNDS	\$126,668,115

¹ Income from the Psychology Clinic, theater ticket sales, course fees, etc.

² Unrestricted funds are available for general use without specified restrictions.

³ Restricted funds are to be used only for specific projects or purposes, set by the person or organization providing the funds.

USES OF FUNDS BY COMMITMENT ITEM, FY12

	All base and nonrecurring state funds and tuition	Grants, contracts, and gift funds	Total
Faculty salaries	40,749,508.10	6,248,638.26	46,998,146.36
GTA, GA, and GRA salaries	10,825,041.89	4,994,532.09	15,819,573.98
Summer school	1,772,326.39	—	1,772,326.39
TOTAL ACADEMIC SALARIES	53,346,876.38	11,243,170.35	64,590,046.73
Administrative salaries	1,475,407.95	26,173.84	1,501,581.79
Professional salaries	3,005,195.06	5,209,595.53	8,214,790.59
Clerical, technical, and maintenance salaries	5,323,200.95	886,825.79	6,210,026.74
TOTAL NONACADEMIC SALARIES	9,803,803.96	6,122,595.16	15,926,399.12
Student employees	535,908.46	463,829.91	999,738.37
TOTAL SALARIES	63,686,588.80	17,829,595.42	81,516,184.22
Staff benefits	19,094,274.50	3,359,029.73	22,453,304.23
Equipment	1,080,740.18	5,160,584.48	6,241,324.66
Operating	8,038,309.23	8,418,992.55	16,457,301.78
TOTAL USES OF FUNDS	\$91,899,912.71	\$34,768,202.18	\$126,668,114.89

Investing in excellence

Less than half of the college's annual budget is provided from tuition revenue and the college's allocation from the state. To meet our annual budget commitments, we **depend** on our faculty securing additional funding from research grants and contracts and on the generous gifts from our alumni and friends.

Therefore, it's **critical** that our faculty continue their aggressive pursuit of external funding. This year, 33.4 percent of our faculty acquired external funding for their research, scholarship, and creative activity. To ensure **our faculty's success**, we're striving to provide them with the necessary infrastructure and staff integral to the execution of their grants and contracts. We're working hard to secure budget lines for essential staff positions, support for more graduate assistantships, and stipends to recruit these students more competitively.

Support from our alumni and friends is also essential for the college to achieve excellence. This year, UT successfully completed the Campaign for Tennessee, raising \$77.8 million for the college—129 percent of our original goal. This year, gifts provided endowment support for the UT Humanities Center and put us closer toward completing the School of Music's All-Steinway Initiative. The resource base to support faculty and students was enhanced by gifts to the College Fund and individual department enrichment funds. For example, **Mary and Richard Antonucci** renewed their Dean's

Circle membership and made an annual leadership gift to the College Fund. **Steve and Kaye Maynard** established the David B. Northington Endowed Scholarship for Piano Performance and Education. **Greg and Lisa Edwards Reed** made an estate commitment to establish the Greg and Lisa Edwards Reed Endowed Scholarship for students in history and economics. They also established a scholarship endowment in the College of Nursing. **Jeffrey Becker**, professor and head of the Department of Microbiology, and his wife, **Nancy**, made an estate commitment to establish the Becker Graduate Student Stipend Enhancement Fund. **John Hawley Jr.**, a member of the Dean's Advisory Board, made a five-year commitment to support the Psychology Clinic in the Department of Psychology.

Alumni who give back can continue this momentum and **directly affect** the college's ranking as part of UT's journey to become a Top 25 institution. Regardless of the size of the gift, if every alumnus gave just \$10, there would be an exponential impact on our ranking—and our total budget. Higher rankings for UT and the college **add prestige and value** to the degrees of our graduates, past and future. **Every gift**—big or small, from \$1 to \$1 million—**helps** the college fulfill its educational and research missions.

Consider giving today. Visit artsci.utk.edu/giving or call 865-974-2365.



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ON THE COVER

A gargoyle watches over the Hill
from his perch atop Ayres Hall.
(Photo by Patrick Murphy-Racey)

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