

NCSU Libraries

# FOCUS

Volume 31, No. 1, Winter, 2014–15



## MEET WILL QUICK

NEW PRESIDENT OF  
THE FRIENDS OF THE  
LIBRARY BOARD OF  
DIRECTORS

NC STATE UNIVERSITY

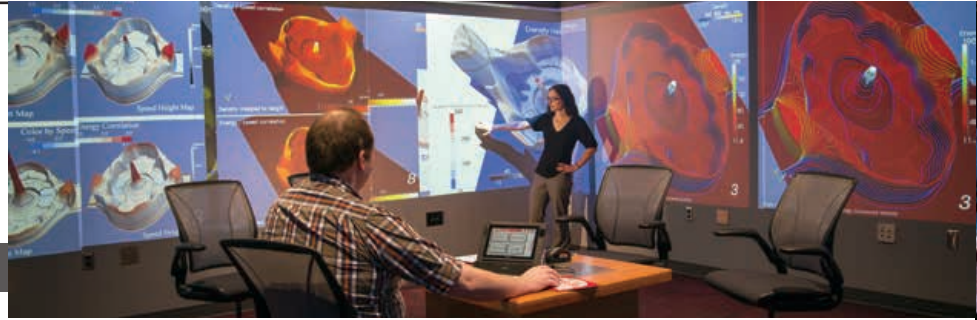
 NCSU LIBRARIES

Visualization Studio at D. H. Hill Library

Makerspaces

Ask Us Center at D. H. Hill

22



2



3



8





# FOCUS



14



24



13

VICE PROVOST AND DIRECTOR OF LIBRARIES: Susan K. Nutter

EDITOR: Charles J. Samuels, Director of Publications

GRAPHIC DESIGN: Charles J. Samuels, Brent Brafford

Friends of the Library  
Campus Box 7111  
Raleigh, NC 27695  
friends\_of\_the\_library@ncsu.edu  
919-515-2841

*Focus* seeks to promote the services, activities, needs, and interests of the NCSU Libraries to the university, the Friends of the Library, and beyond.

Unless otherwise noted, photographs are by Charles Samuels and Brent Brafford, NCSU Libraries, or Marc Hall, NC State University Communications Services.

NCSU Libraries:  
[www.lib.ncsu.edu](http://www.lib.ncsu.edu)

Focus Online:  
[www.lib.ncsu.edu/publications/focusonline](http://www.lib.ncsu.edu/publications/focusonline)

**On the Cover:** Will Quick, President of the Board of Directors of the Friends of the Library. Photo by Marc Hall, University Communications.

This publication was printed at a cost of \$1.45 per piece with funding by the Friends of the Library of North Carolina State University.

©2015 NCSU Libraries

## WINTER, 2014-2015

- 2** Libraries News
- 8** Friends of the Library News
- 16** Hands On. Minds On.
- 22** Visualization Studio at the D. H. Hill Library
- 24** Ask Us Center at the D. H. Hill Library
- 28** Libraries Personnel
- 30** Honor Roll of Friends

## LIBRARY EVENTS RECAP

This past Fall's events were another testament to the fantastic students, faculty, and staff who help the NCSU Libraries remain a vital hub of creativity, thought, and purpose in the NC State community.



Dr. Fred Gould chats with Pamela Ronald and Raoul Adamchak.

### Genetics, Food and Society

In August Dr. Fred Gould of NC State's Genetic Engineering and Society (GES) Center led a discussion featuring Pamela Ronald and Raoul Adamchak, visiting authors of the 2014 Common Reading

book, *Tomorrow's Table: Organic Farming, Genetics, and the Future of Food*. NC State's Common Reading Program assigns a book to incoming undergraduate students, introducing them to the university's "institutional and academic values and expectations, including engagement as members of this community of scholars."

image courtesy of Brad Feinknopf



In the film "If You Build It" a group of high school students learns about design—and determination—as they work to build a farmers' market for their small rural town.

### Documentary film – "If You Build It"

This inspiring documentary film tells the story of a design/build project that transformed the high school experience for a group of students in rural Bertie County, NC. Following the screening, NC State students Colin White

and Stevie Mizelle, two of the students featured in the film, were on hand to answer questions and talk about how the experience affected their lives.

### Independent film, "Harbinger"

NC State alumni Andrew Martin (producer) and Kieran Moreira (director) brought their new independent film, "HARBINGER" to the Hunt Library. The film is a live-action, fantasy-drama, seen through

a child's perspective. Martin and Moreira led a post-film discussion.



Josh Katz shows his dialect maps.

### NCSU Libraries' Amazing Alumni series featuring Josh Katz

*The New York Times'* Josh Katz visited the NCSU Libraries in September to discuss how data visualization is improving researchers' ability to convey complex information to the public. Katz is a graduate of NC State's Department of Statistics and creator of the immensely popular interactive dialect map – the *New York Times'* most visited piece of content in 2013.



Attendees watch A/V Geeks' films on the Commons Wall.

### A/V Geeks Presents: Back to School

The 2014-2015 film and discussion series, "A/V Geeks at the Hunt Library," premiered this fall. NC State Alumnus Skip Elsheimer took over the Hunt Library's 4th floor Commons Wall MicroTiles display to screen archival films about everyone's favorite time of year—Back-to-school. The film series pairs Elsheimer's 16mm educational film archive A/V Geeks with scholars from NC State and the community.

### Red, White & Banned (4th Annual)

In commemoration of National Banned Books Week, NC State

students performed monologues and scenes from banned and challenged books. This year's selections focused on current and contemporary titles that show how censorship is not just a thing of the past. A highlight of the evening was a performance adapted from *Captain Underpants*, a popular series of kids' books that tops the lists of banned and challenged books. In addition to the evening event, our web-based Banned Books quiz provided a fun way

to test participants' knowledge of this important phenomenon. Congratulations to our winners of the quiz, Clark Meshaw and Emily Green, who received 2014 Banned Books Week t-shirts designed by the American Library Association.

### A/V Geeks Presents: "Vote - And The Choice Is Yours" (1964)

In commemoration of the 50th anniversary of the signing of the Civil Rights Act, NC State alumnus and founder of A/V Geeks, Skip Elsheimer, screened "Vote- And The Choice Is Yours," a film produced in 1964 by the North Carolina Film Board. The film featured interviews with Fayetteville State College students discussing voting and other democratic processes. Dr. Blair Kelley of NC State's Department of History provided historical perspective and context.

### Author Event featuring Richard Blanco

Richard Blanco discussed his memoir *The Prince of los Cocuyos: A Miami Childhood*, a poignant, hilarious, and inspiring memoir from the first Latino and openly gay inaugural poet. This event was co-presented by the Friends of the Library and Quail Ridge Books & Music.



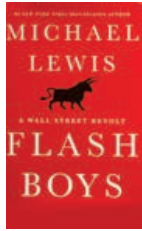
Banned Books student performers, Nic Peaks, Patrick Narmi, Yamila Monge, and Antrone Burke at WKNC interview.



**Read Smart:**

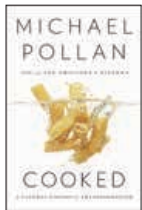
**Flash Boys: A Wall Street Revolt by Michael Lewis**

Dr. Eileen Taylor, CPA, CFE, and associate professor of accounting at NC State, led our August discussion of the bestseller *Flash Boys: A Wall Street Revolt* by Michael Lewis.



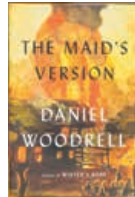
**Cooked by Michael Pollan**

In September, Dr. Keith Harris, assistant professor of Food, Bioprocessing & Nutrition Sciences at NC State, moderated our discussion of *Cooked*, the newest bestseller by Michael Pollan, author of *The Omnivore's Dilemma*.



**The Maid's Version by Daniel Woodrell**

In October, Dr. Marc K. Dudley, associate professor of English at NC State, led the discussion of this short novel by the author of *Winter's Bone*.



**Fabulous Faculty**

**NCSU Libraries' Fabulous Faculty series featuring Dr. Barbara Sherman**

Our Fabulous Faculty series took us to the College of Veterinary Medicine in September for a talk with Dr. Barbara Sherman, clinical professor of veterinary behavior at NC State's College of Veterinary Medicine and past president of the American College of Veterinary Behaviorists (ACVB). Her presentation focused on helping dog-lovers better understand their canines' cues and behavior.

**NCSU Libraries' Fabulous Faculty series featuring Justin LeBlanc**

"Project Runway" season 12 finalist and NC State's own Justin LeBlanc, assistant professor of Art + Design, talked about his design aesthetic, his work at NC State, and the inspiring story of his life before and after "Project Runway."

In conjunction with LeBlanc's presentation, NCSU Libraries has exhibited items from his Soundwaves collection in the D. H. Hill Library Ask Us lobby.



Items from LeBlanc's *Sound Waves* collection including 3D printed accessories.

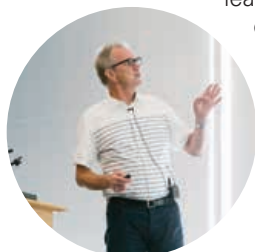


photo by Barbara Nitek

**Furniture Design Series featuring the chairs of the Hunt Library**

As hundreds of student tweets, photographs, and even websites show, the Hunt Library is "full of chairs," and students love them. In fact, we now have one of the most extensive collections of Modernist chairs anywhere—and a great opportunity to use them as an educational tool for those interested in design, textiles, and many other fields.

This fall we launched the Hunt Furniture Design Series to let the students, the community, and all of us who work at NC State learn more about our collection and design in general from some of today's best designers and scholars. On September 16, 2014, Brian Lutz from Knoll



Brian Lutz discusses Knoll and the history of Modern furniture design.

presented the history of Knoll furniture design and the beginning of the Modernist Movement. Describing each designer's thought process, Lutz detailed how many modernist designers sought to innovate by removing decoration and breaking with past conventions.



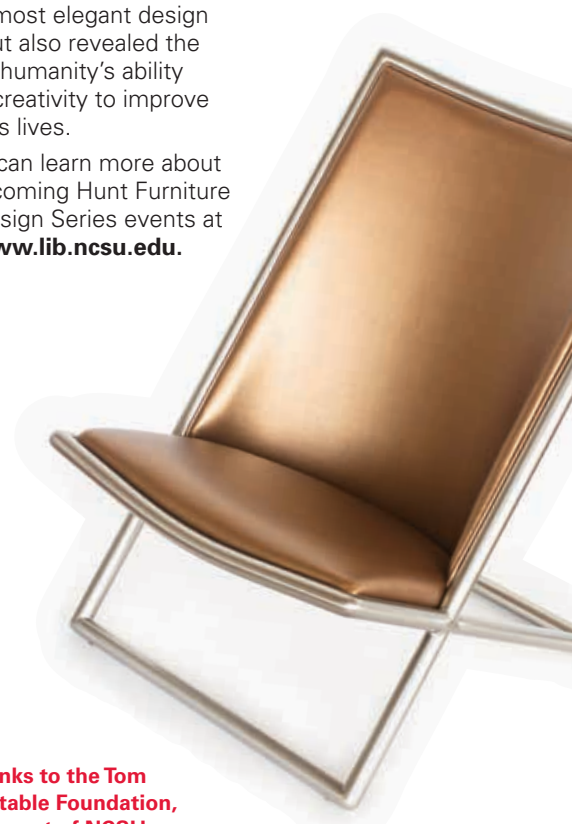
Tim deFiebre shares insights into his design process.

On October 28, 2014, our guest speaker was Tim deFiebre. His background working with Ward Bennett, one of the greatest furniture designers of the 20th century, brought him a great understanding of the ergonomics of the chair and the difference between "sitting on it" and "sitting in it." Tim shared his design process of developing a simple, beautiful chair with a focus on the varied details that make it comfortable.

Both Brian and Tim reminded us that the Modernist Movement not only presented us with some

of history's most elegant design solutions, but also revealed the optimism in humanity's ability to employ creativity to improve people's lives.

You can learn more about upcoming Hunt Furniture Design Series events at [www.lib.ncsu.edu](http://www.lib.ncsu.edu).



**A special thanks to the Tom Russell Charitable Foundation, Inc. for its support of NCSU Libraries programs throughout the semester.**

**THE RESEARCH OF RESEARCH: THE 2014 I.T. LITTLETON SEMINAR WITH DR. SHEILA CORRALL**

Supporting and advancing the research enterprise is part of the strategic fabric of modern research libraries. From formulating and researching a topic, to actively curating data, to visualizing scholarship, to advising on publication rights, to analyzing the impact of publications—research libraries are working across the research lifecycle to help make scholars more productive. This specialized expertise is part of the Libraries’ research service portfolio, and part of its vision to serve as NC State’s competitive advantage. These developing roles for libraries have one thing in common—they all help support emergent strategies for research. But what other services, expertise, and technologies can be offered, and what resources can be called upon to further this worthy endeavor?

Drawing on several of her recent and ongoing projects, I. T. Littleton Seminar speaker Sheila Corral, Professor and LIS Program Chair at the University of Pittsburgh School of Information Sciences, addressed this topic with a well-researched survey of the current landscape of academic library support for high-end research in a digital environment. Though Corral focused many of her research questions on library support for research data management, she was careful to point out that the issues covered in her lecture were just as important to libraries offering other high-end research services such as bibliometrics, visualization and digital humanities.

In efforts to become key players in this burgeoning research environment, Corral advised that libraries should employ an admittedly bold “overextension” strategy and attempt to reach beyond their current capabilities.



I. T. Littleton and speaker Sheila Corral with seminar committee members Tessa Minchew, Will Cross, Adam Rogers, and Bret Davidson.

She feels that success can be achieved with this strategy if libraries mobilize their invisible assets, and swiftly acquire the required competencies by simply providing high-end research support. Corral would like to see libraries overcome their aversion to launching services that are not completely polished and perfect. To be bold in adopting new services for and collaborations with researchers. Seeing how they work and adapting accordingly. In the dynamic arena of high-end research, libraries need to focus on being nimble, adaptable, and bold. That being said, Corral still amusingly advised, “Don’t get reckless”.

Supporter of high-end research, or collaborator? The modern library must carefully consider how to present itself to its research community. Corral firmly asserted that there is a very clear choice. “Faculty don’t want supporters. They want people to help them

do it. And I think libraries can be those people.”

Corral’s lecture, held on May 5, 2014, was a part of the annual I. T. Littleton Seminar which is funded by an endowment established in 1987 to explore key issues in the development of academic libraries and to honor former Library Director Littleton upon his retirement from North Carolina State University Libraries. The Libraries welcomes your continued support of the I. T. Littleton Seminar series. If you would like to make a contribution to support future seminars, please send your check, payable to the Friends of the Library, to: Friends of the Library, NCSU Libraries, Box 7111, North Carolina State University, Raleigh, NC 27695-7111. Please note “I. T. Littleton Seminar Endowment” on your check. For more information, please call (919) 515-7315.



# BUDGET CUTS FORCE JOURNAL CANCELLATIONS

As part of the 2013/14 budget reductions levied on the university by the North Carolina General Assembly, the Libraries' budget was cut by more than \$1.3 million, about 5% of our total budget. To meet these reductions, we had to eliminate 27 staff positions and reduce library hours.

As inflation continues to erode our buying power, this year the Libraries was also forced to make drastic cuts to the collections budget, resulting in the cancellation of more than 600 journal subscriptions.

The following is the list of journal titles that are no longer available to our faculty and students as of January 1, 2015. Read more about the cancellations and the process for choosing these titles at [www.lib.ncsu.edu/collections/cancellations/](http://www.lib.ncsu.edu/collections/cancellations/).

Abstract and Applied Analysis  
Acta agrobotanica  
Acta veterinaria  
Ad-hoc & sensor wireless networks  
Advances in mathematics of communications  
Advances in theoretical and mathematical physics  
Aeronautical journal  
Aerospace  
Aerospace America  
African Diaspora Journal of Mathematics  
African entomology  
Afrika Statistika  
Afro-Hispanic review publication of the Afro-Hispanic Institute  
Air & space Smithsonian  
Air power history  
AJOB neuroscience  
AJOB primary research  
American Ceramic Society bulletin  
American criminal law review  
American fruit grower  
American heritage of invention & technology  
American journal of comparative law  
American journal of forensic medicine & pathology  
American journal on intellectual and developmental disabilities  
American nineteenth century history  
American school and university  
American theatre  
American vegetable grower  
Analytical sciences  
Ancient philosophy  
Andrology  
Animal biotechnology  
Animal law  
Animal pharm  
Animal sheltering  
Annales de la Societe entomologique de France  
Annales de l'Institut Fourier

Annals of science  
Appita journal  
Applicable analysis  
Applied artificial intelligence  
Applied economics  
Applied financial economics  
Archiv fur Geschichte der Philosophie  
Archives des sciences  
Archives of natural history  
Argumentation and advocacy  
Arizona journal of hispanic cultural studies  
Arms control today  
Ars combinatoria  
Asian journal of comparative law  
Asian Journal of Mathematics  
Asian textile business  
Asia-Pacific journal of risk and insurance  
Astronomy & geophysics  
Atomic data and nuclear data tables  
Atomization and sprays  
Audubon  
B.E. Journal of Economic Analysis & Policy  
B.E. journal of theoretical economics  
Banach Journal of Mathematical Analysis  
B.E. Journal of Macroeconomics  
Basic income studies  
Best's insurance reports. L/H, US & Canada  
Best's insurance reports. P/C, US & Canada  
Biblical archaeology review  
Biochemical systematics and ecology  
Bird study  
Black scholar  
Board leadership  
Bollettino della Societa entomologica italiana  
Brain, behavior and evolution  
Breeding research  
Breeding science  
British medical bulletin  
Bulletin (British Society for the History of Mathematics)  
Bulletin de la Societe entomologique de France  
Bulletin de la Societe internationale des amis de Montaigne  
Bulletin de la Societe mathematique de France  
Bulletin de la Societe zoologique de France  
Bulletin of Spanish studies  
Bulletin of the Belgian Mathematical Society- Simon Stevin  
Bulletin of zoological nomenclature  
Business and Politics  
CabinetMaker+FDM  
California journal of politics and policy  
California veterinarian  
Camellia journal  
Campaigns & elections  
Canadian journal of African studies  
Cancer investigation  
Capitalism and society  
Casa de las Americas  
Case studies in sport management  
Catholic Biblical quarterly  
Catholic Record Society (Great Britain) publications  
Cato journal  
Cereal research communications  
Chat (Raleigh, N.C.)  
Chemical and petroleum engineering  
Chemical fibers international  
Chemical product and process modeling  
Chemistry international  
Child & youth services  
China agricultural economic review  
Chinese optics letters  
Christianity & literature  
Chronica horticulturae  
Church & state

Clays and clay minerals  
Clinical toxicology  
Clinics in laboratory medicine  
Clio (Kenosha, Wis.)  
Coastal management  
College and university  
College student journal  
Commentarii mathematici Helvetici  
Communications in Mathematical Analysis  
Communications in partial differential equations  
Communications on applied nonlinear analysis  
Comptes rendus mathematiques de l'Academie des sciences  
Computer aided geometric design  
Computer methods in biomechanics and biomedical engineering.  
Imaging & visualization  
Computers in libraries  
Concrete (London, England)  
Construction innovation  
Contributions to macroeconomics  
Corrosion  
Cortex  
Cost engineering  
Cotton, review of the world situation  
CRC critical reviews in biomedical engineering  
Critical reviews in biotechnology  
Critical reviews in clinical laboratory sciences  
Critical reviews in eukaryotic gene expression  
Cultural survival quarterly  
Current (New York, N.Y.)  
Current science (Bangalore, India)  
Cutaneous and ocular toxicology  
Defenders  
Design engineering  
Developmental neuropsychology  
Dickens quarterly  
Dickensian  
Digestion  
Digital philology  
Discourse processes  
Discover  
Dynamic systems and applications  
Earth  
Economics & politics  
Economists' Voice  
Ecotextile news  
Education USA  
Education week  
Educational gerontology  
Educational horizons  
Educational leadership  
EDUCAUSE review  
EHN : environmental health news  
Eisei dobutsu  
Emu  
Endangered species research  
Endocrine research  
Engineering design graphics journal  
Engineering journal  
Entomologist's gazette  
Entomologist's monthly magazine  
Environment and history  
Environmental quality management  
Episodes  
Equus  
Ergodic theory and dynamical systems  
European journal of archaeology  
European journal of entomology  
Exceptional children  
Fiber organon  
First things  
Fish farmer  
Florida scientist  
Folia primatologica  
Food biotechnology  
Foresight  
Forest history today  
Forest landowner  
Forests & people  
Forum for health economics & policy

Fountain (London, England)  
Functiones et approximatio, commentarii mathematici  
Fundamental & clinical pharmacology  
Fungal biology  
Geomicrobiology journal  
Georgia journal of science  
Geosynthetics  
Global Economy Journal  
Global jurist  
Goat rancher  
Great Lakes entomologist  
Gulf of Mexico science  
Hardy Society journal  
Harvard civil rights-civil liberties law review  
Harvard journal of law & public policy  
Harvard Ukrainian studies  
Herpetological bulletin  
Heterocycles  
Historia medicinae veterinae Amici  
Historiae Medicinae Veterinariae  
Historia mexicana  
Historical reflections  
History (Helen Dwight Reid Educational Foundation)  
History of photography  
History, reviews of new books  
Hoard's dairyman  
Hokkaido Mathematical Journal  
Homology Homotopy and Applications  
Horizons  
Horse  
Horse illustrated  
Houston journal of mathematics  
Human and ecological risk assessment  
Human-computer interaction  
IAWA journal / International Association of Wood Anatomists  
IEEE transactions on electrical and electronic engineering  
Immunology and allergy clinics of North America  
India today international  
Indian journal of entomology  
Indonesia  
Information management & computer security  
Information processing letters  
Information standards quarterly : a publication of the National Information Standards Organization  
Information technology & people  
Inquiry  
Interactive technology and smart education  
Interamerican journal of psychology  
Intercollegiate review  
International commentary on evidence  
International fiber journal  
International immunopharmacology  
International Journal of Biostatistics  
International journal of climate change strategies and management  
International journal of computers & applications  
International journal of contemporary sociology  
International journal of culture, tourism and hospitality research  
International journal of emerging electric power systems  
International journal of energy sector management  
International journal of engineering education  
International journal of geographical information science  
International journal of hospitality & tourism administration  
International journal of modelling & simulation

# LIBRARIES NEWS

- International journal of modern physics. A, Particles and fields, gravitation, cosmology
- International journal of nursing education scholarship
- International journal of occupational safety and ergonomics
- International journal of pervasive computing and communications
- International journal of software engineering and knowledge engineering
- International journal of sport management
- International journal of systems science
- International journal of technology management
- International journal of tropical insect science
- International journal of web information systems
- International journal of wilderness
- International review of finance
- International transactions on electrical energy systems
- Internet research
- INTI
- Invertebrate systematics
- Investigations in mathematics learning
- Issues in legal scholarship
- Issues in science and technology
- Jahrbucher fur Geschichte Osteuropas
- Japanese religions
- Job seeker
- Journal des Économistes et des Études Humaines
- Journal for the history of astronomy
- Journal for the study of Judaism in the Persian, Hellenistic, and Roman period
- Journal for the study of radicalism
- Journal of acquired immune deficiency syndromes
- Journal of adult education
- Journal of Agricultural & Food Industrial Organization
- Journal of agricultural research (Lahore, Pakistan)
- Journal of applied business research
- Journal of Applied Mathematics
- Journal of biomolecular structure and dynamics
- Journal of business valuation and economic loss analysis
- Journal of cardiovascular pharmacology
- Journal of chemical engineering of Japan
- Journal of clinical investigation
- Journal of college admissions
- Journal of Commutative Algebra
- Journal of complementary & integrative medicine
- Journal of complexity
- Journal of computational mathematics
- Journal of cost analysis and parametrics
- Journal of developmental education
- Journal of dispersion science and technology
- Journal of drug policy analysis
- Journal of earthquake engineering
- Journal of eastern Caribbean studies
- Journal of economic policy reform
- Journal of education
- Journal of educational and psychological consultation
- Journal of engineering, design and technology
- Journal of entomological research
- Journal of environmental assessment policy and management
- Journal of environmental planning and management
- Journal of environmental science and health. Part C, Environmental carcinogenesis & ecotoxicology reviews
- Journal of environmental science and health: Part B, Pesticides, food contaminants, and agricultural wastes
- Journal of ethnic & cultural diversity in social work
- Journal of European integration
- Journal of experiential education
- Journal of experimental psychology. Animal behavior processes
- Journal of forecasting
- Journal of Generalized Lie Theory and Applications
- Journal of globalization and development
- Journal of high speed networks
- Journal of homotopy and related structures
- Journal of housing for the elderly
- Journal of Hymenoptera research
- Journal of imagery research in sport and physical activity
- Journal of Industrial Organization Education
- Journal of information, communication & ethics in society
- Journal of insect science
- Journal of Integral Equations and Applications
- Journal of international affairs
- Journal of law and education
- Journal of management information systems
- Journal of manufacturing technology management
- Journal of mind and behavior
- Journal of modern Italian studies
- Journal of natural fibers
- Journal of pesticide science
- Journal of Physical Mathematics
- Journal of progressive human services
- Journal of psychology & theology
- Journal of public budgeting, accounting & financial management
- Journal of research and practice in information technology
- Journal of school leadership
- Journal of science and technology policy in China
- Journal of Semitic studies
- Journal of service management
- Journal of sport behavior
- Journal of sport management
- Journal of staff development
- Journal of statistical computation and simulation
- Journal of Symplectic Geometry
- Journal of technology education
- Journal of technology management in China
- Journal of the Abraham Lincoln Association
- Journal of the American Helicopter Society
- Journal of the astronomical sciences
- Journal of the Australian Mathematical Society
- Journal of the experimental analysis of behavior
- Journal of the Iowa Academy of Science
- Journal of the Lepidopterists' Society
- Journal of the Polynesian Society
- Journal of the South African Veterinary Association
- Journal of time series econometrics
- Journal of tort law
- Journal of veterinary medical science
- Journal of women and minorities in science and engineering
- JSN international
- Judicature
- Justice system journal
- Kiplinger letter
- Knowledge engineering review
- Kodai Mathematical Journal
- Kyoto Journal of Mathematics
- Lakes & reservoirs
- Latham letter
- Law & ethics of human rights
- Law and development review
- Leading edge
- L'Entomologiste
- Les temps modernes
- Library collections, acquisitions, & technical services
- Library hotline
- Library technology reports
- Los Angeles times index
- Lu?rzer's int'l archive
- Macworld
- Marine resource economics
- Mark Twain journal
- Marshall & Swift Equipment Cost Index
- Materials evaluation
- Materials transactions
- Mathematical and computer modelling of dynamical systems
- Meat goat monthly news
- Medical clinics of North America
- Medical history
- Medicine
- Medium ?vum
- Memoires de la Societe mathematique de France
- Michigan mathematical journal
- Microcirculation
- Missouri Journal of Mathematical Sciences
- Modern physics letters A
- Modern steel construction
- Molecular membrane biology
- Monist
- Monitor on psychology
- Moreana
- Mother earth news
- Muslim world journal of human rights
- Mycotaxon
- Nanoscale and microscale thermophysical engineering
- National forum of educational administration and supervision journal
- National geographic
- National geographic index
- National Maritime Historical Society publications
- National parks
- National tax journal
- Natural resources & environment
- Natural resources journal
- Negro educational review
- Neuroendocrinology
- Neuropsychology
- New global studies
- New Oxford review
- New York times index
- New Zealand apparel
- Newsletter (Scientists Center for Animal Welfare : 1996)
- Nihonkai Mathematical Journal
- Nonlinear dynamics, psychology, and life sciences
- Nonwovens industry
- Nonwovens report international
- Notre Dame journal of formal logic
- Nouveau Bulletin de la Societe Internationale des Amis de Montaigne
- Numerical functional analysis and optimization
- Numerical heat transfer. Part A, Applications
- Occupational ergonomics
- Occupational health & safety Oceania
- Oceanography
- Oceanus
- OG
- Oncology
- Online searcher
- Opera news
- Ophthalmic research
- Ophthalmic surgery, lasers & imaging retina
- Optimization
- Optimization methods & software
- Organization development journal
- Orion (New York, N.Y.)
- Orthopedic clinics of North America
- Outside (Chicago, Ill.)
- Paper age
- Paper technology
- Papers on language & literature
- Parks & recreation (New York, N.Y.)
- Parliamentary affairs
- Pathogens and disease
- Pathogens and global health
- PC world
- Peace economics, peace science and public policy
- Pediatric research
- Peer review : emerging trends and key debates in undergraduate education
- Philosophia mathematica
- Photogrammetric engineering and remote sensing
- Phronesis
- Phytoprotection
- Plains anthropologist
- Plant protection quarterly
- Planta medica
- Policy & practice
- Pregled, Republika Srbija. English
- Proceedings ... Tall Timbers Fire Ecology Conference
- Proceedings of the American Philosophical Society
- Proceedings of the Biological Society of Washington
- Proceedings of the Institution of Civil Engineers. Bridge engineering
- Proceedings of the Institution of Civil Engineers. Energy
- Proceedings of the Institution of Civil Engineers. Engineering and computational mechanics
- Proceedings of the Institution of Civil Engineers. Engineering history and heritage
- Proceedings of the Institution of Civil Engineers. Structures and buildings
- Proceedings of the Institution of Civil Engineers. Transport
- Proceedings of the Nutrition Society
- Progress in nuclear magnetic resonance spectroscopy
- Protist
- Psychological record
- Psychopharmacology update
- Public administration quarterly
- Public affairs quarterly
- Public management
- Public manager
- Publicacions matematicas
- Pulp & paper international
- Quarterly journal of mathematics
- Quarterly journal of mechanics and applied mathematics
- Quarterly journal of political science
- Racecar engineering
- Recavac
- Nonlinear dynamics, psychology, and life sciences
- Real Analysis Exchange
- Redox report
- Regulation
- Religion & literature
- Renascence
- Reptiles
- Research in science & technological education
- Review of business information systems
- Review of contemporary fiction
- Review of marketing science
- Review of Middle East economics and finance
- Review of Modern Logic
- Review of network economics
- Review of symbolic logic
- Reviews in aquaculture
- Revista brasileira de entomologia
- Ringing & migration
- Rocky Mountain Journal of Mathematics
- Romance notes
- Romance philology
- Romanic review
- Russian history
- Russian life
- Scandinavian journal of infectious diseases



- Scandinavian journal of work,  
environment & health  
School business affairs  
School science review  
Science & technology libraries  
Science and children  
Science in context  
Scientific studies of reading  
Scriblerian and the Kit-Cats  
Sea history  
Sea technology  
Security studies  
Seed science and technology  
Seminars in nuclear medicine  
Sierra  
Skeptical inquirer  
Sky and telescope  
Social cognition  
Social theory and practice  
Soil horizons  
Soils and foundations  
Sojourners  
Souls  
South African statistical journal  
South Atlantic quarterly  
South Carolina wildlife  
Soviet and post-Soviet review  
Spanish in context  
Spatial economic analysis  
Sport management education journal  
Stanford law review  
State legislatures  
Statistical communications in  
infectious diseases  
Steel research international  
Structural engineer  
Structural engineering and  
mechanics  
Structural survey  
Studia dipterologica  
Studia Leibnitiana  
Studies in 20th and 21st century  
literature  
Studies in the literary imagination  
Surgical clinics of North America  
Synthesis  
T+D / ASTD  
Tax law review  
Taxonomic report of the International  
Lepidoptera Survey  
Teaching exceptional children  
Teaching science
- Tech directions  
Technical services quarterly  
Technical textiles international  
Technology & conservation  
Technology analysis & strategic  
management  
Telos  
Tenside, surfactants, detergents  
Theater  
Theatre notebook  
Theatre research international  
Theatre survey  
Theoretical computer science  
Theoretical inquiries in law  
Therapeutic drug monitoring  
Therapeutic recreation journal  
Thomist  
Tijdschrift voor entomologie  
Timber mart-south  
Times educational supplement  
Times index  
Tobacco journal international  
Tohoku Mathematical Journal  
Tokyo Journal of Mathematics  
Tourism recreation research  
Tourism, culture & communication  
Toxin reviews  
Training  
Transactions on emerging  
telecommunications technologies  
Transgenics : biological analysis  
through DNA transfer  
Transport theory and statistical  
physics  
Tribology & lubrication technology  
Tsukuba Journal of Mathematics  
UMAP journal  
Union Seminary quarterly review  
United Nations chronicle /  
Department of Public Information  
University of Chicago law review  
Value line daily options survey  
Value Line investment survey  
Value line investment survey (Small  
and mid-cap ed.)  
Veliger  
VINE  
Virginia journal of science  
Virginia wildlife  
Wake Forest law review  
Wall Street journal. Index  
Washington monthly
- Washington post index  
Water quality research journal of  
Canada  
Web semantics  
Woman engineer journal of the  
Women's Engineering Society  
Women studies abstracts  
Women's writing  
World leisure journal  
World political science review  
World trade, WT100  
Worldwide hospitality and tourism  
themes  
Wyoming law review  
Xenobiotica  
Yale journal on regulation  
Yeats Eliot review  
Zeitschrift der Arbeitsgemeinschaft  
Osterreichischer Entomologen  
Zeitschrift fur die alttestamentliche  
Wissenschaft  
Zeitschrift fur Naturforschung. A, A  
journal of physical sciences  
Zeitschrift fur Naturforschung. B,  
Journal of chemical sciences  
Zentralblatt fur Didaktik der  
Mathematik  
Zoologica  
Zoologicheskii zhurnal  
Zoonoos

## NCSU LIBRARIES AWARDED AN LSTA EZ INNOVATION GRANT FOR SOCIAL MEDIA ARCHIVING

Jason Casden and Brian Dietz have been awarded a Library Services and Technology Act EZ Innovation Grant from the State Library of North Carolina for their proposal on archiving social media. Projects like My #HuntLibrary are a great example of the power of social media to generate content that will prove to be valuable for generations to come. From the project abstract:

*Social media platforms have become a venue where serious discourse and creation take place, but the use of social media platforms as a method for building more*

*representative archival collections is still a very new area. With the development of the award-winning lentil (My #HuntLibrary) Instagram harvesting and presentation platform, the NCSU Libraries has taken a leading role in this emerging area. Grant funds would allow us to build on our ongoing work by exploring the potential for integrating a social media collecting program into existing collecting plans addressing events, spaces, and student groups, and other campus units. This project will make a meaningful impact on our ability to develop more representative archival collections involving a wider set of contributors and potentially highly ephemeral content. The outcome of the project will be the implementation of new methods*

*(including software, procedures, and documentation) and the provision of a free web-based toolkit to guide the development of new social media archiving efforts at other institutions.*

Work has begun on the grant, and so far, Casden and Dietz have collected Instagram activity related to many campus events, assembled a list of campus Twitter accounts for tracking, worked with a donor to receive a donation of Facebook data, and collaborated with colleagues at George Washington University on their "Social Feed Manager" tool.

Read more about the grant funding this exciting work at:

[statelibrary.ncdcr.gov/ld/grants/lsta/2014-2015Abstract.html#NCSUI](http://statelibrary.ncdcr.gov/ld/grants/lsta/2014-2015Abstract.html#NCSUI)

### THE FRIENDS OF THE LIBRARY WELCOMES WILL QUICK: AN INTERVIEW WITH THE FOL BOARD PRESIDENT

The Friends of the Library is pleased to welcome Will Quick, '07, '09 (MBA) as President of our Board of Directors, beginning July 2014. Will was involved with the Libraries as a student leader and has continued in his capacity as a board member and now board President. We asked Will to answer a few questions about his time at NC State and his love for the Libraries.

**Tell us about your experience with the Libraries as a student at NC State, and during your time as Student Body President.**

My first introduction to the Libraries as a physical space was through spending several hours every weeknight during the first semester of my freshman year in mandatory "pledge study hall" up on the ninth floor of D. H. Hill.

Needless to say, mandatory study hours are probably no one's idea of a great time. However, it didn't take long for me to realize how important it was to my academic pursuits to have a quiet place to get away from all the other distractions when I really needed to get something done. Long after I'd gotten through fraternity pledging, the ninth floor of D. H. Hill remained my go-to place for peace and quiet in the middle of a school project or when I just needed a quiet place to think.

As far as my commitment to the Libraries as a student leader, it really all started and ended with my early realization that the Libraries was and always will be a part of campus life that is vital from an academic standpoint to all students, no matter what college they are in or whether they are an undergraduate or graduate student. Unfortunately, another thing I realized pretty quickly was that there is a tendency for the majority of students to take campus services for granted until something happens to make a particular service no longer available. That was certainly true in the case of the Libraries. Very few students realized how much work Susan and her staff put in to operate the Libraries at a consistently high level. It wasn't that students didn't appreciate the effort, it was that they didn't realize how much it took from a financial and operational standpoint to stock journals, provide open and collaborative study space, or keep D. H. Hill open 24 hours a day.

One of the ways we worked to remedy this and to focus our support for the Libraries during my administration was through a series of open forums where students could hear from and ask questions of the various entities and departments on campus requesting fee increases. It gave students an opportunity to hear from the Libraries and other campus units directly about their needs, and it provided the students a forum to voice which initiatives were most important to them.

When given the right information, students overwhelmingly expressed their support for the Libraries, which made it much easier for me to make a strong argument to the rest of the Board of Trustees in support of the Libraries' request when the time for voting on particular fee increases came around.

My support for and involvement with the Libraries is most certainly a result of those experiences as an undergraduate, especially the opportunity to learn about the specific needs of campus units. Having seen what it takes to keep the university operating at a top level, I am committed to increasing alumni involvement and support for NC State, and specifically the Libraries.

**You have a busy career as an attorney, but you still find time to contribute to the Friends of the Library and other NC State alumni groups. What do you find most satisfying about these volunteer roles?**

Among the many things I learned from the other trustees during my year on the NC State Board of Trustees was the value of and personal satisfaction that comes with giving back to one's alma mater. There I was as a 21-year-old sitting in the room with men and women who were at the pinnacles of their careers in law, business, and politics, yet they chose to give immensely of their time to help guide the university. I told myself then that I would never let myself become so busy that I couldn't find the time to give back to NC State, which has given so much to my wife and me.

On a more personal level, I'm energized by the opportunity that involvement with the Libraries and other NC State groups gives me to interact with students on a regular basis. While I'm not that much older than many of them, I find it refreshing and invigorating to hear from current students about their studies and future plans, and to be able in a small way to help them achieve their goals.





**What prompted your interest in the Friends of the Library and your decision to serve as President?**

I've had an interest in and affinity for the Libraries ever since I was an undergraduate, but the honest truth is that the single biggest driver behind my continued involvement with the Libraries has been Susan Nutter, our exceptionally talented, visionary, and dedicated Vice Provost and Director of Libraries. Susan was one of the folks on campus who really listened and engaged with student leaders while I was an undergraduate. We developed a good relationship while I was a student leader and was able to coordinate on several efforts that benefited the Libraries. Susan continued to keep tabs on me, and not long after I graduated she asked if I would consider joining the Friends. The timing was perfect, as I was looking for ways to stay involved with NC State. I could not think of a better place to be than with Susan and the Libraries.

My willingness to take on a leadership role with the Friends is also a direct result of Susan's activities. Her dedication to serving students and the rest of the campus community and her commitment to making the Libraries truly great made me want to take a more involved role on the Friends Board. In short, she inspired me!

**During your term as FOL Vice President, the Hunt Library opened to great acclaim. How has the Hunt Library changed the landscape of research and learning at NC State, and what impact will it have on students?**

Like many other alumni—especially recent graduates who just missed its opening—my first reaction on touring the fully completed Hunt Library was a mix of pride and jealousy. Pride in my alma mater for the innovative approach that is evident in every detail, design, and use of technology throughout the space. Jealousy for the fact that Hunt wasn't opened while I was a student.

There are so many great things about the Hunt Library, but to my mind the two most important advantages that Hunt provides to students are access to technologies that were previously only available to a select few students, and additional space that is specifically designed to foster student collaboration. In designing Hunt to be one of the most technologically sophisticated learning spaces on campus, the Libraries has opened up opportunities for students and faculty from different disciplines to cross-train on and utilize various technologies in new and innovative ways. It is truly a space designed to encourage entrepreneurship and creativity — along with providing a resource to help build relationships with industry partners. Providing broad access to technologies embodies the “think and do” attitude that NC State is all about. A great example of this is the 3D printing capability provided in the Hunt Library Makerspace. This is a technology that was previously only available to students working in specific research labs. Now students from a wide variety of backgrounds and fields of study from engineering to medicine to fashion and design get first-hand experience with how to use this technology well before they enter the workforce.

Another way in which Hunt will impact campus life for years to come is by being a central gathering place and hub of activity on Centennial Campus. In many ways, the Hunt Library is like the town hall for Centennial Campus. It is a place for students to come together to socialize and to do serious work. Upon entering the building, it is clear that it was designed to allow students to work both independently and collaboratively, depending on their needs. Gone are the stuffy stacks, cramped carrels, and dim desk lighting that made one think that speaking in a voice louder than a whisper would mean banishment from the building. Bright colors, large wide-open spaces, tons of natural light, and

furniture designed to be easily moved and reconfigured creates a whole different atmosphere where students feel empowered to think outside the box. The space is truly designed to meet the needs of each student using it, not impose a certain way of thinking and studying on all students.

**What do you hope the Friends of the Library will accomplish during your term as President? What will be the most challenging?**

The Libraries and its supporters are in an interesting position at the moment. The “high” from the overwhelmingly successful opening of the Hunt Library has not yet worn off, and the accolades keep flowing in from sources within academia and beyond. What the Libraries has been able to achieve has become the number-one selling point for the rest of the University and a hallmark of what can be realized with strong administrative leadership and dedicated supporters and advocates. The challenge for the Libraries over the next couple of years will be in keeping up with the high bar that it has set for itself, especially as the University enters its next capital campaign. In a nutshell, despite our achievements to date, we cannot rest on our laurels if we wish to stay at the top.

From the perspective of the Friends of the Library, staying at the top means keeping our current membership engaged, continuing efforts to expand Friends membership, and developing new ways for individuals and entities to support the Libraries. In the near term we will explore the benefits and programming available to Friends members with an eye towards duplicating events and programs that have been popular. We will also look to expand our efforts to attract young alumni support and our efforts to increase corporate partnership with the Libraries.

### FRIENDS OF THE LIBRARY WELCOME NEW MEMBERS TO ITS BOARD OF DIRECTORS

#### **Dr. Richard Bloomfield**

Dr. Bloomfield recently joined Duke to oversee mobile technology initiatives within the healthcare system. During his residency, Dr. Bloomfield founded a successful software company creating health and social networking apps for iOS devices that has enjoyed over 15 million downloads to date. A native of eastern North Carolina, Dr. Bloomfield graduated as valedictorian from North Carolina State University in 2004 where, as a Park Scholar, he earned a BS in Chemistry and BA in Secondary Education with minors in Spanish and Saxophone Performance. He graduated with honors from the Brody School of Medicine at East Carolina University in 2008. Dr. Bloomfield is distinguished educator with many awards and honors, including the Harvey Hamrick Teaching Award in 2011.

#### **John Quintin Gant**

Gant is currently Director of Research and Development for Glen Raven Custom Fabrics, LLC. He earned a mechanical engineering degree from North Carolina State University in 1988,

and an MBA from Duke University in 2004. John is an active member of organizations such as the US Green Building Council, Window Covering Manufacturers Association, and Professional Awning Manufacturers Association. He and his wife Sheri recently celebrated their twentieth wedding anniversary. They have two sons, Ben (13) and Weston (9), who attend Chapel Hill schools.

#### **Joseph Hightower**

Hightower is a North Carolina native who earned a BS degree in Zoology at NC State University in the 1970s. After receiving his PhD from the University of Georgia in 1984, Joe moved to California and worked for six years as a marine biologist. He was then very fortunate to return to his home state, university, and even department (was Zoology, now Applied Ecology). His research has been focused on fisheries management questions, including impacts of fishing and dam construction on migratory fishes. When not building computer models of fish populations, Joe likes to play the banjo.

#### **Suzanne Kennedy-Stoskopf:**

Dr. Kennedy-Stoskopf is Research Professor of Wildlife Infectious Diseases at NC State's College of

Veterinary Medicine. A member of the NC State faculty since 1990, she was the first woman veterinarian at the National Zoo, the original organizer of the zoological medicine program at the University of Tennessee, a co-founder of the first three-year residency in veterinary medicine in the U.S., and has been honored with her own stamp, a US Postal Service First Day Cover in the Postal Service's Women's History Series. In 2006 she was recognized as Outstanding Woman Veterinarian of the Year by the Association for Women Veterinarians.

#### **Andy Walsh**

Andy Walsh earned a political science degree with honors from North Carolina State University in 2013 and currently serves as the Legislative Assistant for the Office of Federal Relations at NC State. He previously worked in the Office of Government Affairs at SAS Institute. Andy served as the Student Body President and as a member of the NC State Board of Trustees in 2012-2013. Andy actively volunteers at the Raleigh USO and serves as the Vice President of the Cary Academy Alumni Board.



### CLAIRE VOGLEY JOINS THE FRIENDS OF THE LIBRARY OFFICE

The Friends of the Library is pleased to welcome our new Program Associate, Claire Vogeley. Based in the D. H. Hill Library, Claire works with Director Leia Droll and other staff to administer the Friends of the Library membership, plan programs and events for our patrons, and carry out the Libraries' broader development efforts.

Claire's career with the NCSU Libraries began in 2012, one month

before the opening of the James B. Hunt Jr. Library. As part of the administrative team, Claire was essential to the successful opening of the new library, and worked closely with students, faculty, staff, and visitors to coordinate many of the tours and events that followed.

A native of California, Claire graduated from the California State University system before moving to North Carolina in 2004. Prior to her employment at NC State, she worked for the Cumberland County Public Libraries and the Southern Regional Area Health Education Center.



### FRIENDS OF THE LIBRARY WELCOME MARIE DAVIDIAN TO SPEAK AT THE 2014 FALL LUNCHEON

On October 30, the 2014 Friends of the Library Fall Luncheon shined the spotlight on the remarkable contributions of NC State faculty. After remarks by Provost Warwick Arden, Susan K. Nutter named David Hill, professor in the School of Architecture, College of Design, as the 26th annual NCSU Libraries Faculty Award winner for his work on the Virtual Paul's Cross project in the Hunt Library's Teaching and Visualization Studio. Read more about Professor Hill's Faculty Award in the following article on this page.

Dr. Marie Davidian, William Neal Reynolds Professor of Statistics

at NC State, gave the keynote address, which focused on the use of statistics in personalized medicine. Through the description of a clinical trial as an example, she explained how statistical analysis is critical at every step in the process to assess the efficacy and safety of a drug, plan the next developmental stages, and make better use of drug researchers' time and resources. The work of statisticians in this process will ultimately help healthcare providers make better decisions, and select the right treatment for the right patient at the right time. Davidian's scholarship, which explores the complex and varied application of statistical analysis, is a perfect example of the research and innovation that sets NC State and its Libraries apart. To learn more about the connection between statistics and

personalized medicine, read Dr. Davidian's excellent piece in the Huffington Post at [go.ncsu.edu/huffpo\\_davidian](http://go.ncsu.edu/huffpo_davidian).

Dr. Davidian addresses the Friends of the Library Fall Luncheon.



### PROFESSOR DAVID HILL AWARDED 26<sup>TH</sup> ANNUAL LIBRARIES FACULTY AWARD

The Virtual Paul's Cross installation has been a light-bulb moment for many of us—walking into the Hunt Library's Teaching and Visualization Lab and instantaneously stepping into a very realistic simulation of the 17<sup>th</sup> century. For the committee who chose Professor David Hill for the 2014 Libraries Faculty Award, it represented the moment when we knew the Hunt Library's vision would become real and begin transforming teaching and scholarship at NC State.

Hill, associate professor of architecture in the College of Design, was honored with the Libraries Faculty Award—given each year to an NC State faculty member who has contributed consistently and notably to our mission, vision, and strategic initiatives—at the Friends of the Library 2014 Fall Luncheon.

The Hunt Library was designed to encourage a spirit of discovery, even of risk taking. As Susan K. Nutter pointed out at the award ceremony, "Professor Hill personifies this spirit." Along with Professor John Wall of the English Department—a 1995 winner of the award—Hill came to us before the building was even dried in and staked a large portion of the next several years of his professional work on that vision. Collaborating with the Libraries to bring together experts in architecture, archeology, literature, religion, lighting design, audio engineering, and computer science, Virtual Paul's Cross has sparked the imaginations of scholars around the world on how virtual and immersive technologies can open windows into scholarly questions that could otherwise never even be posed.

Nominators pointed out that Hill has "also written another blueprint for how collaborators can leverage the Libraries' resources to transform learning, teaching, and research" with his long-running *Digital Representation*



class. Using our rich collection of hand drawings from modernist architects, his students make them come alive as digital models, illustrations, and videos. "It is," Nutter pointed out, "hands-on, engaged learning that teaches first-class visualization skills—and creates the sort of personal, imaginative engagement with our architectural traditions that develops inspired young architects."

Professor Hill accepts the Faculty Award certificate from Vice Provost and Director of Libraries Susan K. Nutter

## “WE’VE LOST A GIANT”

CY KING (1922-2014)—LIBRARIAN, GENTLE MAN OF FIRM PRINCIPLES

Cyrus B. King was a man who, above all, made us think more deeply about our responsibilities to each other. Those of us who knew him at the NCSU Libraries appreciated him as an able administrator who from 1963 to 1984 led the development of our collections; as a generous supporter after he retired; and as a life member of the Friends of the Library.

But his capable leadership and considerate philanthropy were hardly the most important reasons why he was one of the most beloved people to ever brighten a room in the D. H. Hill Library. Cy King earned our respect and love because you couldn’t be around him for ten minutes without realizing that you were in the presence of a person who lived his life with a purpose, a passion, and joy that were extraordinary, even on a campus filled with people intensely dedicated to purpose.

Cy was raised a pacifist Quaker, but he chose to serve in WWII, seeing human violence at its worst across Europe, including in the Battle of the Bulge. The rest of his life was a determined, relentless, reasoned campaign—as an editorial in the *Raleigh News & Observer* concluded shortly after his death on June 25—“dedicated to raising awareness of the needs of the less fortunate, the deprivations of rights for those of color, the consequences of war.”

Cy King was absolutely determined to help us think about justice and the inevitable results of living in a world without it. He was never loud; he was unfailingly polite and respectful; he preferred sly humor over argument. These attributes made him a formidable champion for the causes he believed in so deeply. Even those not on the same page as Cy could not help but respect the fact that for over twenty-five years he stood almost every Wednesday in vigil for peace and nuclear disarmament in front of the post office in downtown Raleigh. Within years of returning to Raleigh in 1949 after the war and after college, he and his wife, the late Carolyn S. King, had helped establish the city’s first racially integrated housing project, day care center, and vacation Bible school. Name the good cause—civil rights, women’s rights, humane treatment of the imprisoned, fair treatment of farm workers, commitment to civil liberties—Cy worked for it with dignity, diligence, and good humor. In recognition of their constant work for the community, Cy and Carolyn were inducted into the Raleigh Hall of Fame in 2009.

Cy’s support of the NCSU Libraries was part and parcel of his commitment to that strong sense of community. The *Cyrus King Endowment for Peace Studies* now supports the Libraries’ collections in this area across all formats, both digital and print. Even more tellingly, in 2007 Cy recognized twenty-two former library and campus colleagues by purchasing bricks in their honor. Engraved with the names of these friends, the bricks are installed outside the entrance to the D. H. Hill Library to provide a permanent tribute to longtime library staff and to faculty members who served on the University Library Committee. He loved the people he worked with, and they loved him back.

“We’ve lost a giant,” the Rev. Nancy Petty, pastor of Pullen Memorial Baptist Church, said of Cy shortly after his death this summer. The NCSU Libraries feels that loss deeply.





Donor Spotlight: **Debbie and Warren Stephenson**

## **“We want to be part of something permanent”**

### **Debbie and Warren Stephenson’s Legacy of Contribution**

**W**hen Warren Stephenson was an undergraduate in the ‘50s, the D. H. Hill Library was far from a campus destination point. It was, he says, “quiet, studious, nobody talked out loud.” Useful, for sure, “but not a fun place to go.”

So after what he calls “first shots at independence” during those freshman “barbecue and beer” days on Hillsborough Street, he gravitated to the Textiles Library and made it his base for mastering the advanced math and physics that were not offered in the small North Carolina high school he attended. “I had to work a little harder to catch up,” he offers, but the urge to learn and the work ethic came naturally, and NC State gave him flexibility to branch out from his textiles major into marketing, accounting, and sales classes that were to serve him well when he graduated. His wife and fellow philanthropist, Debbie Stephenson, demonstrated that same urge to learn and contribute when, after retirement from a demanding job, she went on to earn a Masters degree from the Southeastern Baptist Theological Seminary.

Fast forward a few decades—through distinguished careers in manufacturing and management, leadership in too many civic projects to count, a “Citizen of the Year Award,” and generous and constant support for the Wolfpack Club—to a night a few years ago:

“I had accidentally left a book in a meeting room at D. H. Hill, so I circled back to pick it up. When I opened the door at 6:30, it looked like Crabtree Valley Mall at Christmas. Students everywhere. As I made my way up to the desk to pick up my book, I could see team studying going on up every hall in every direction. Just continual student activity every place that I looked. This was the hub of the campus, a campus that Debbie and I both love. This place was a magnet bringing in the students.”

“We’ve always been very active in all the communities that we’ve lived in—it’s just our nature, that we ought to leave things better than we found them if possible—and it’s always possible,” explains Warren. Experiencing the exuberant spirit in the D. H. Hill Library, coupled with early tours of the Hunt Library as it was under construction, gave the Stephensons another focus for their impulse to improve the places they care deeply about.”

When the Hunt Library opened in 2013, two of its group study rooms in the Graduate Student Commons (in honor of Debbie’s love of the time she spent in graduate school) had Warren and Debbie’s names engraved on them. And their wills now include a legacy gift that will help ensure that the NCSU Libraries will remain strong for the generations that follow them.



Warren and Debbie Stephenson accepting a Friends of the Library Life Membership certificate from Vice Provost and Director of Libraries Susan K. Nutter.

“Some things are fleeting—most things on campus come and go,” Warren explains. “The tide comes in and the tide goes out,” even with their much-loved NC State athletic teams. “But the Libraries are there steady as a rock, open every day, a part of campus that we can take pride in just being a part of.”

Warren is very clear about what he hopes that his and Debbie’s legacy gift will accomplish: “Leaving a path to the future for things that were important to you is what wills are for . . . we all want to leave a legacy.” For the Stephensons, a part of that legacy is establishing a sustainable path for the NCSU Libraries far into the future:

“When we give to the Libraries, we help maintain and help grow something that will keep NC State’s competitive edge twenty years from now. The world is very impressed with the Hunt Library as it stands today, but it will have to grow and change as technology and new types of learning evolve.

We have to be ready to meet those demands twenty years from now. What we did with our gifts contributes to the permanence of what the Libraries can offer. We want to further ensure that permanence.”

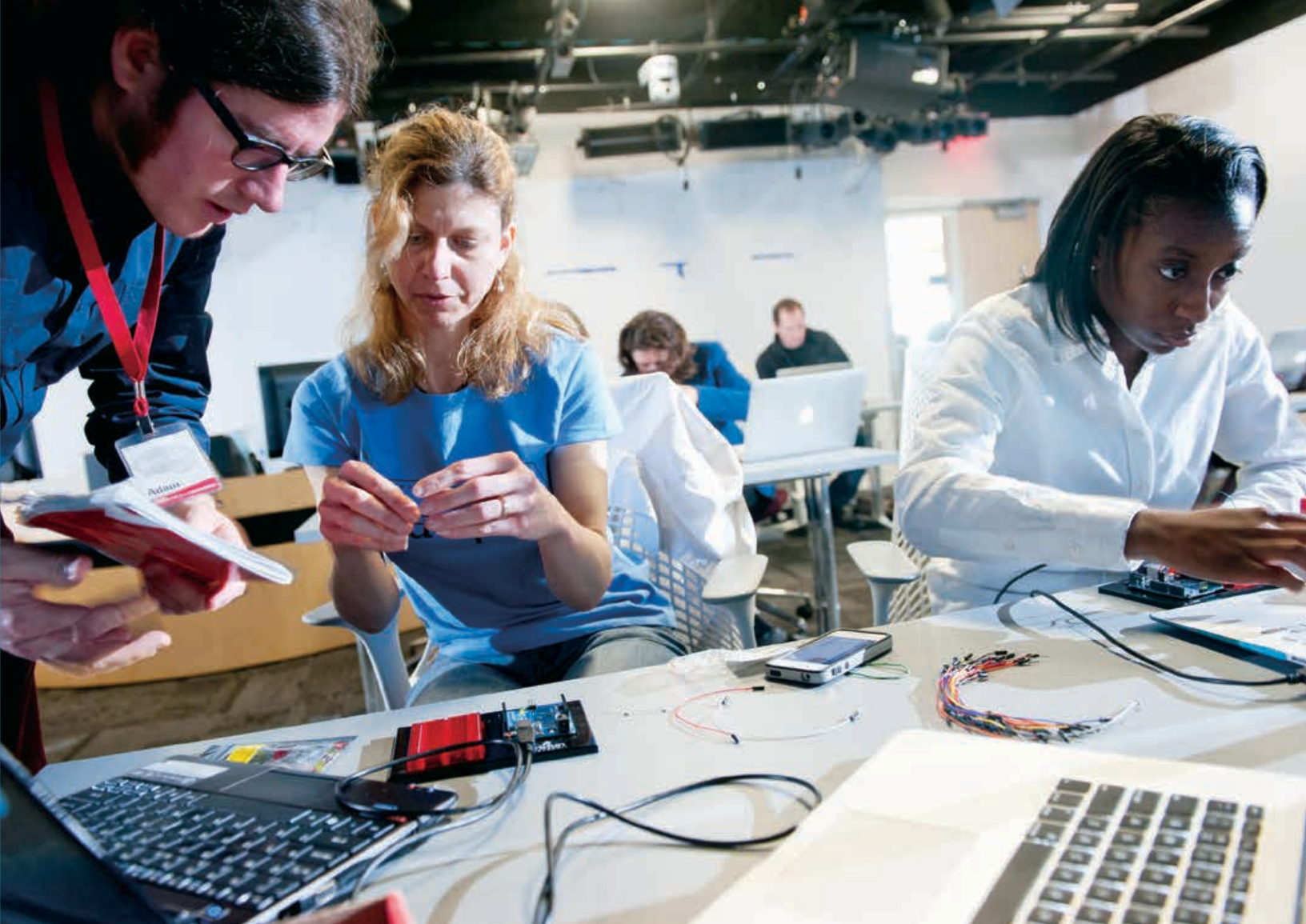
He laughs a little when asked if he thinks that years from now students doing research in the Graduate Student Commons will recognize his family’s contribution. “Students may not always pay attention to the actual names on the study rooms,” he says with a smile. “But the fact that somebody who came before them thought enough of the Libraries’ mission to want to be a lasting part of it—that will make an impression. Not the particular names as much as the idea of service to their community.”

From leadership in a long line of charitable organizations to missions to Belarus for their church, that service to the community has been a hallmark of Warren’s and Debbie’s lives.

They are serious about that commitment and are intense and thoughtful when they talk about what may ultimately be the most important result of their support for the Libraries: “Just walking up to the Hunt Library, just seeing it at a distance, it takes your breath away. The building itself says, ‘These people are serious about what they are doing.’”

**HANDS ON.  
MINDS ON.**

**NCSU  
LIBRARIES  
MAKERSPACES  
FOSTER ACTIVE  
LEARNING**



## EVERYWHERE YOU TURN THERE IS ANOTHER MAGAZINE ARTICLE ABOUT HOW “YOUNG PEOPLE ARE RUINING THEIR MINDS BY BURYING THEIR HEADS IN SCREENS HALF THEIR LIVES.”

The jury is still out, of course, on whether all the supposedly passive time on smart phones, tablets, and video games is stunting the intellectual and emotional lives of the latest generation—or just immersing them in the digital skills to create the next Google or Facebook.

But almost everyone agrees that another emerging trend in how students are spending their time is almost always incredibly productive.

### THE MAKER MOVEMENT AND THE HUNT LIBRARY MAKERSPACE

Emphasizing experimental, experiential attempts to solve problems by literally making the solution with 3D printers and other new tools for creating physical objects, the Maker Movement fosters hands-on collaborative skills with emerging technologies that are changing a host of design, manufacturing, and technology industries—as well as energizing new educational practices that encourage active learning.

Initially using 3D printing, laser scanning, and inexpensive electronics “inventor kits,” the movement was just beginning to find its sea legs as final planning for the Hunt Library was in progress. With its “figure it out together and make it yourself” ethic and the value it places on working in groups, the principles behind the Maker Movement aligned perfectly with the creativity and engaged learning that the Hunt Library was designed to foster.

The result? On any given day you might walk by the Makerspace in the Hunt Library when a student

Makerspace staff host workshops throughout the year to introduce faculty, staff, and students to maker technologies.



**THE MAKER MOVEMENT FOSTERS HANDS-ON COLLABORATIVE SKILLS WITH EMERGING TECHNOLOGIES THAT ARE CHANGING A HOST OF DESIGN, MANUFACTURING, AND TECHNOLOGY INDUSTRIES—AS WELL AS ENERGIZING NEW EDUCATIONAL PRACTICES THAT ENCOURAGE ACTIVE LEARNING.**



is printing out a prototype for her mechanical engineering project on one of the space's three 3D printers. Or drop by a workshop and watch a group enthusiastically combine several bananas, the electronics from a Makey Makey inventor kit, and a dash or two of ingenuity to create a working piano.

### INITIAL CREATIONS

Soon after the new library opened, Hunt's Makerspace started making its mark as two transportation engineers discovered our 3D printers and realized they could make it easier for the blind to navigate complicated traffic intersections by quickly prototyping and printing out custom tactile maps of real-world intersections.

Within a year, four entrepreneurial students had prototyped their unique Jar-with-a-Twist to tackle the age-old problem of how to dig out peanut butter or other condiments as you get closer to the bottom of the container. Using the Makerspace's 3D printers among many other tools on campus, the group created an ingenious solution—merely twist the jar's

bottom and screw the contents toward the top. After a few rapid evolutions to the initial concept, the Jar-with-a Twist was on its way to a patent and the marketplace.

Last spring, two mechanical engineering students used the Makerspace laser scanners to transform a tiny plastic toy wolf into the beginnings of the detailed 3D plans that allowed them to build a full-sized animatronic wolf for their senior honors assignment, a project that helped land one of them the job of a lifetime building animatronics for Universal Studios.

At least two of the NCSU Libraries' student workers have also leveraged their Makerspace work to jump-start their futures. Since our student workers deliver the majority of training that their peers receive in the



The design for the 'Jar with a Twist' was spurred on by maker technologies at the Hunt Library (top). (Below) Mechanical Engineering students used Makerspace laser scanners to help create their animatronic wolf.







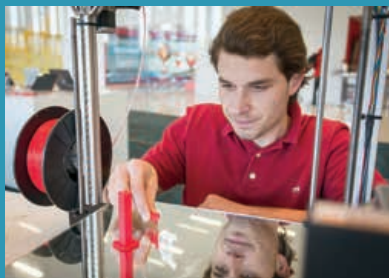
Stormy Faw with one of his Wolfpack-themed chess pieces.

## A STRATEGIC MOVE: NC STATE'S OWN CUSTOM-PRINTED CHESS SET

Stormy Faw is the first in his family to earn a college degree. Two, in fact: NC State undergraduate (2011) and graduate (2013) degrees in aerospace engineering. And he is planning to enter the Ph.D. program in electrical engineering in Fall 2015 to translate his passion for all things related to space into further expertise in next-generation guidance and control systems.

In what passes for downtime in his life, he wanted to take on a project that showed his pride in his alma mater—and to explore a new craft and stimulate his own creativity. Chess is another passion, and 3D printing—which the space industry is already using both for rapid prototyping and for printing parts used in actual vehicles—was a great next step.

So now NC State has its first custom 3D printed chess set, a blend of Faw's longtime love of woodworking in the beautiful board itself and the 3D printing skills he mastered in the Hunt Library Makerspace, and the 3D computer aided-design software available on special computers in the library.



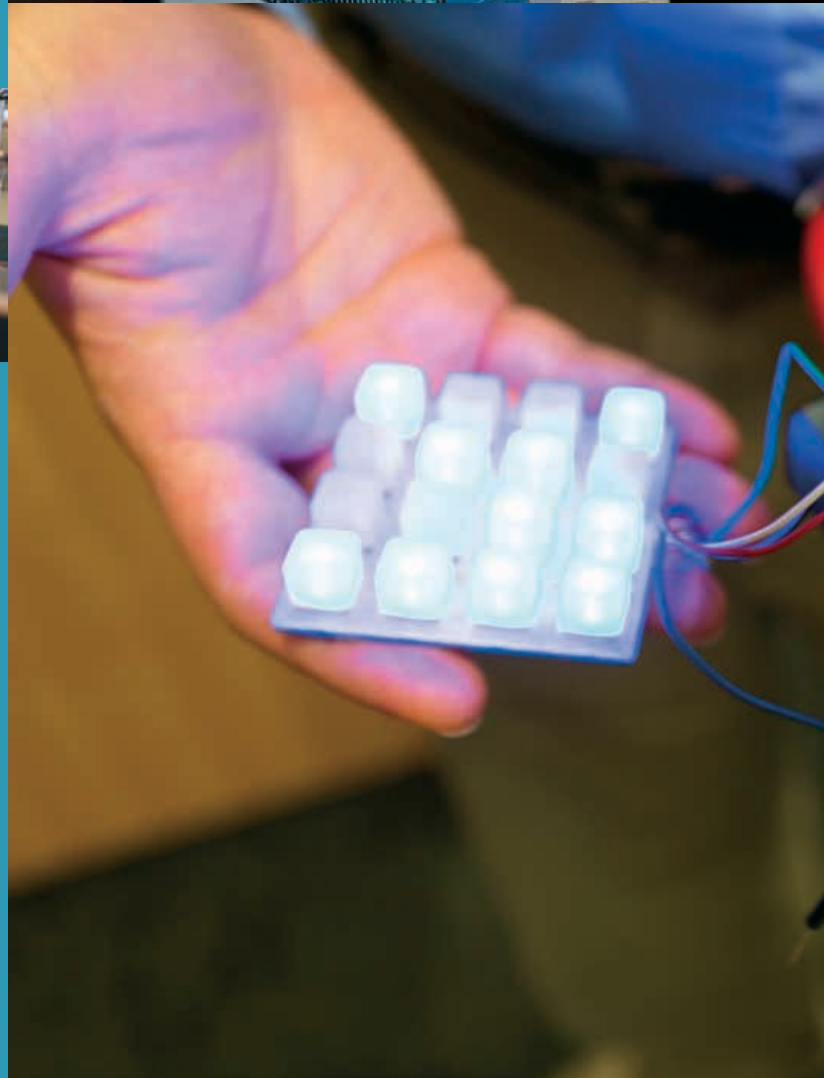
Each piece for the set honors some part of what Faw calls "the spirit of NC State": the rocket "rook" a nod to his own aerospace training; the farmer "knight" a tribute to our roots in agricultural leadership; the Belltower "queen" a salute to the College of Design; and the Mr. Wuf "king" leading a long line of Tuffy "pawns" to celebrate the student body, embodied in the Tamaskan dog who has served as the live NC State mascot at athletic events.

"It's great to have the Makerspace as a resource less than 500 meters from the Engineering buildings," concludes Faw. "Personally for me it gives a real boost to my creativity, letting me invest time in personal projects that develop the culture of exploration. The Makerspace is a great blend of course work and knowledge—and being creative on a personal basis."

The Wolfpack chess set will be on display in the Apple Technology Showcase at the Hunt Library in early 2015.



3-D printing on the MakerBot is one of many technologies available at the Hunt Library Makerspace.





Makerspace, they become experts in quickly solving problems with a set of technology skills that are in high demand in industry. One recent graduate credits his first job to his Makerspace work experience, and another used his 3D printing and laser scanning expertise as a key point in his successful application to a prestigious doctoral program.

### WHAT WE'RE MAKING NEXT

Early next year, students and faculty based on NC State's main campus will no longer have to trek to the Hunt Library to immerse themselves in the Maker Movement. With help from generous donors, the D. H. Hill Library will soon have its own Makerspace—in a large, prominent location adjacent to the Ask Us center.

In recognition of the NCSU Libraries' pioneering role in the Maker Movement in academic research libraries, the federal Institute of Museum and Library Services has recently appointed the NCSU Libraries as the higher education representative for a major initiative to provide best practices for deploying makerspaces in the nation's libraries

and museums. In conjunction with the Children's Museum of Pittsburgh, San Francisco's Exploratorium science museum, the Chicago Public Library, and the non-profit Maker Education Initiative, the Libraries will partner on a national program to make it easier to bring makerspaces to institutions that serve the public.

### FRIENDS OF THE LIBRARY PRESENTS THE FIRST ANNUAL LIBRARY STAFF AWARD FOR ADVANCEMENT TO ADAM ROGERS

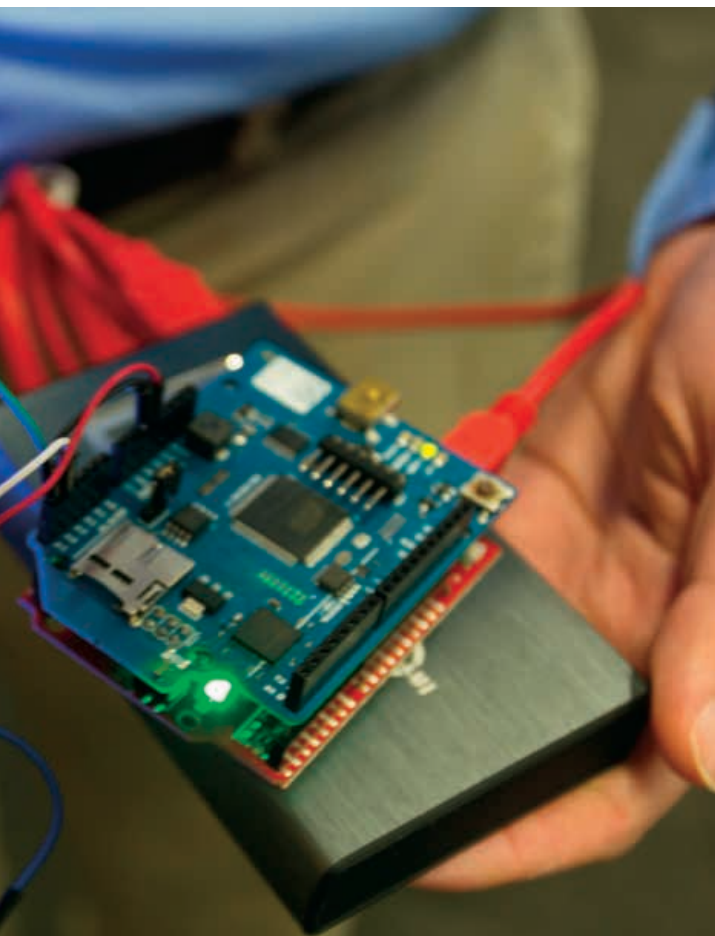
The Friends of the Library Staff Award for Advancement, created by the Friends of the Library Board of Directors in June 2014 and to be given annually, recognizes a Libraries' staff member who demonstrates a commitment to the missions of both the NCSU Libraries and the NCSU Friends of the Library, and who goes above and beyond to help build relationships and partnerships that help to further the Libraries' advancement goals. This year's inaugural award was given to Adam Rogers, Emerging Technologies Librarian, for his outstanding work to help build and attract support for our makerspaces at both the Hunt and the D. H. Hill Libraries. The award comes with a prize of \$1,000 to be used for professional development or to support a project of the recipient's choosing.

Our next step is to build an endowment to support this award in perpetuity. We ask that you please consider designating part or all of a gift to this award fund, and help us to recognize the Libraries' outstanding staff, foster a culture of philanthropy, and promote an environment of collaboration.

*"..This award is a fantastic way to support library staff by highlighting their innovations and encouraging them to seek external funding, which is crucial to the Libraries' continued success. The award money is already helping me explore new project ideas more freely, and I anticipate spending most of it on learning new skills in a conference or workshop."*

-Adam Rogers  
Emerging Technologies Librarian

Brian Boothe of the FOL Board of Directors (right) presents the Award for Advancement to Adam Rogers.



# FROM NOVELTY TO ADVANCED RESEARCH

EXCERPTED FROM *RESULTS*, NC STATE'S MAGAZINE OF RESEARCH, INNOVATION, AND ECONOMIC DEVELOPMENT

By Tim Peeler

At Makerspace, the well-appointed, technologically advanced common room on the fourth floor of NC State's Hunt Library, advanced printing, scanning and cutting technologies are readily accessible to any member of the campus community.

It's a place where dreams, and an occasional daydream, come true. That's why it has become one of the most popular places in the world-renowned Hunt, which may explain why the NCSU Libraries will open a space that's similar — but twice as large — at D. H. Hill Library in the spring of 2015. The people who run Makerspace helped recent graduates Austin Carpenter and Jonathan Gregory develop a portable three-dimensional scanner with a rotating platform and three tower scanners for their senior design project. One of the first things they printed, in conjunction with the fifth-annual Maker Faire this summer at the North Carolina State Fairgrounds, was a figurine of Chancellor Randy Woodson. Why exactly did they do this, except for the purpose of creating the nation's first chancellor action figure?

Because they could.

"Ten years ago, doing something like [advanced scanning and 3-D printing] wasn't really a thing," Carpenter says. "So it's just really exciting to be on the cutting edge of technology."

That's the thing about the emerging technology in the 3-D printing world: With such a low commitment of resources involved, why not find out what's possible? There are practical applications just waiting to be discovered, some of which are ready to hit the



market at inkjet speed. How about an on-demand spare part for an aircraft carrier, printed onboard in the middle of the Pacific Ocean? Or a life-sized, fully integrated human skeleton? Or a scale model of a dinosaur found in deepest Mongolia?

NC State alum Aly Khalifa, founder of Raleigh's Gamil Design and Designbox and the multifaceted SPARKcon, recently introduced his Lyf (Love Your Footprint) Shoes to Sustainable Brands conferences in San Diego and London. His innovative footwear — made of recycled cork and plastics without using environmentally damaging glue or heat — is custom-designed with 3-D scanners and manufactured with the assistance of a \$2,000 3-D printer, cutting out the costly production of prototype molds that can cost up to a quarter of a million dollars.

He likes to think of the Lyf Shoes model as the first "digital cobbler." He knows these innovations wouldn't be possible without the use of 3-D scanning and printing technology.

"It allows us to create a totally different business model," says Khalifa, from his offices in downtown Raleigh. "It's a complete game changer."

Center for Additive Manufacturing and Logistics (CAMAL) co-director Ola Harrysson has been doing such work for more than a decade, especially in medical applications for the NC State College of Veterinary Medicine. He printed out his first artificial orthopedic leg for a cat shortly after he arrived in 2002.

Top right: NC State alum Aly Khalifa uses new technology in production. • Bottom Right: Khalifa's sustainable Lyf Shoes are made from recycled products like wine corks and 3-D-printed plastics.





The advances in 3-D printing since then are breathtaking, crossing the boundaries between disciplines, universities and even species.

Harrysson is currently working with UNC-Chapel Hill School of Medicine associate professor Austin Rose to develop printed plastic bones that will enable doctors to do preoperative simulation — a surgical scrimmage of sorts — for difficult ear surgeries such as cochlear implantation. In the past, those simulations have been done on well-worn cadaver bones.

Harrysson, Rose and NC State graduate student Caroline Webster have been working with a team of engineers and physicians to develop near-perfect replicas of those same bones for both adult and pediatric surgeries, all produced on a 3-D printer.

Webster, a native of Orlando who came to Raleigh from Mocksville, North Carolina, began working in Harrysson's lab during her sophomore year as a biomedical engineering student because "students here are allowed to do things and make things that make a difference," she says.

She has since become an expert in integrating MRI and CT scans with digital software called Mimics to map important nerves, the carotid artery, the sigmoid sinus and every variation in and around the delicate temporal bone that a surgical student may encounter during implant surgery. She's also learned to understand and translate the languages of both medicine and engineering.

The work done in Harrysson's lab spans multiple disciplines. In fact, members of the group spent the summer presenting their findings at conferences: Webster at a medical software conference in Chicago and an engineering conference in Austin, Texas; Rose at medical conferences in Las Vegas and Israel; and Harrysson at a medical advance digital conference in Beijing, China.

Medical printing could be the next significant innovation coming from the emerging field. NC State

engineers have helped develop a printed cast that conforms perfectly to a patient's broken limb and that delivers ultrasound waves to stimulate healing.

While others may be peering into the future with their 3-D printing capabilities, paleontologist Lindsay Zanno is using 3-D scanning and printing, gaming technology and design software to help turn the ancient bones and bone fragments she has found in the field into full models of newly discovered species of dinosaurs.

We are experimenting with some nifty programs that will allow us to take two bones and compare them in 3-D space," says Zanno, director of the Paleontology and Geology Research Lab at the North Carolina Museum of Sciences. "We can turn that into quantitative data, and in turn, we can use that to understand how bones differ between species in a way we couldn't before."

"With digital scanning and the data we have, we can print a model of any size we want. We can make all sizes for all purposes. 3-D printing makes that very simple. That helps speed up the whole process of paleontology, which can sometimes be arduously long."

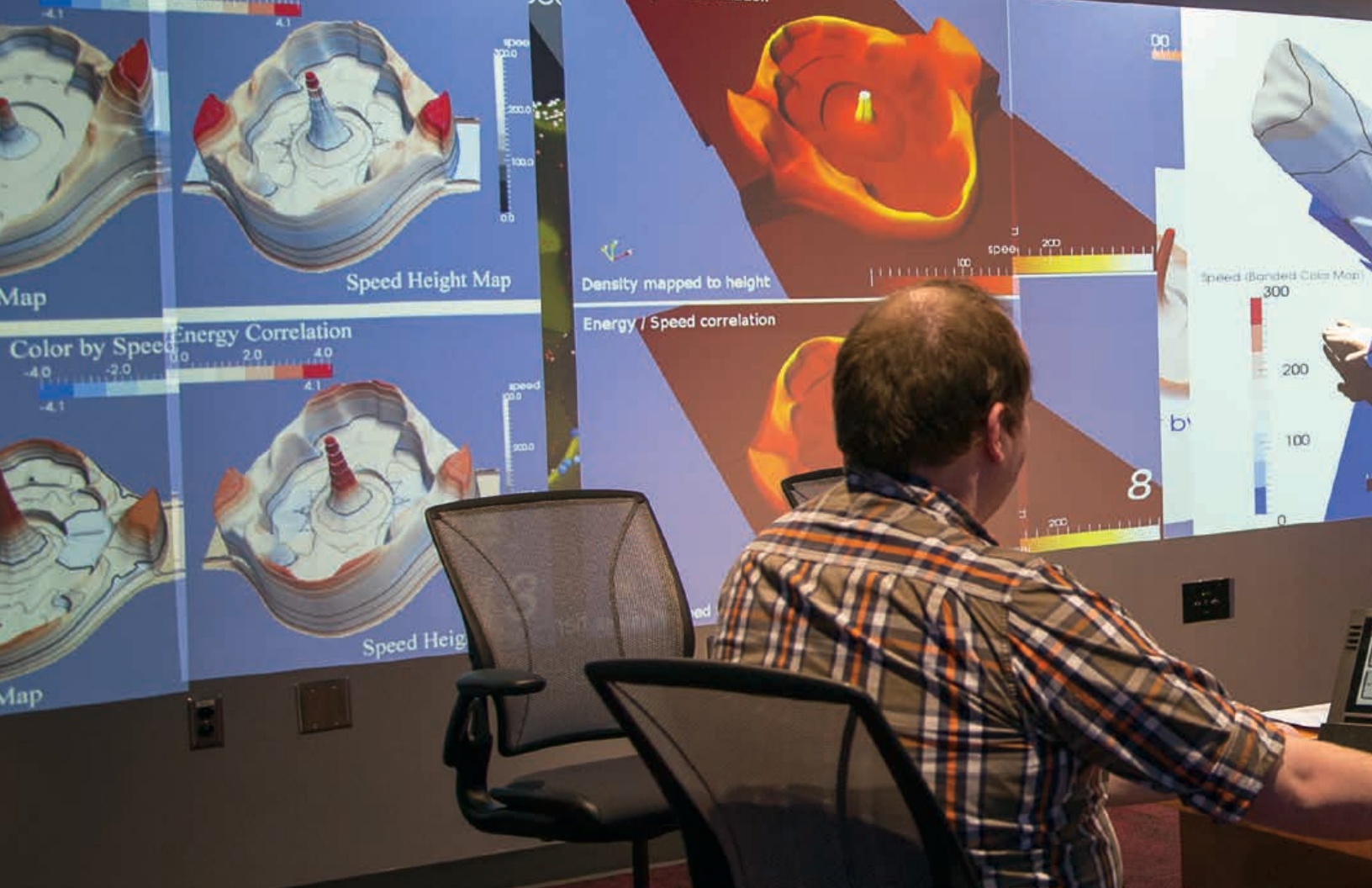
At NC State, 3-D printing is one more tool that students, faculty and staff are using to turn ideas into reality.

To read the full article in *Results*, visit: [research.ncsu.edu/results/2014/12/from-novelty-to-advanced-research/](http://research.ncsu.edu/results/2014/12/from-novelty-to-advanced-research/)



Clockwise from top left: NC State's Ola Harrysson, left, and UNC-Chapel Hill School of Medicine's Austin Rose combine expertise. • NC State graduate student Caroline Webster works in the Center for Additive Manufacturing and Logistics. • Appalachian State University student Devin Hoffman, of Canada, uses a handheld 3D scanner on a dinosaur bone at the North Carolina Museum of Sciences. • Paleontologist Lindsay Zanno, a member of the NC State College of Sciences faculty, works with Hoffman to turn a scan into a printable model.





# INSIGHT—IN 360 VISUALIZATION IN THE D. H. HILL

The old expression that a picture is worth a thousand words is still true in the age of big data. But it only scratches the surface of what a good visualization can mean when a scientist, engineer, or economist is trying to make sense of a data set with millions of variables and tens of millions of data points.

That's why the Hunt Library's Teaching and Visualization Lab and the five visualization walls in the Hunt Library have rapidly become essential

for research and learning at NC State—and written about in publications around the world.

In April 2014, the D. H. Hill Library got its turn with the opening of the Visualization Studio in space on the second floor of the bookstacks that became available as part of the library's collection was moved into the Hunt Library bookBot.

Funded by a special award from a competitive, university-wide process, the Visualization Studio



# 0°: THE STUDIO OPENS LIBRARY

uses 12 projectors to create an immersive 360-degree view across four walls. In the Visualization Studio:

- Students now have a powerful way to work together on group projects, to boost their presentations to new levels, and to study complex ideas and phenomena at a large scale, seeing them spread out around the room.
- Professors are conducting interactive classes and engaging seminars that surround their students in images, documents, movie clips, and data visualizations.
- Researchers are working collaboratively to explore new ways to describe and communicate their findings visually, compare complex, detailed images, and analyze large maps and graphics.



# THE NEW D. H. HILL LIBRARY

# Ask Us

## CENTER

### A NEW LOOK—AND A NEW PHILOSOPHY

On the one hand, it was a classic case of necessity being the mother of invention. On the other, we had already invented the solution and knew it would work. That's the back story behind the new *Ask Us* center at the D. H. Hill Library.

### THE HUNT MODEL

Since the Hunt Library opened, its inviting *Ask Us* center—just inside the main entrance—has provided an extremely popular single point of contact for students and faculty with a question or a request for a service. The concierge feel of the space encourages students who otherwise might not so easily engage, and the staff loves working at a place where an interesting range of questions and requests are constantly walking up.

### ... IMPLEMENTED AT D. H. HILL

The loss of several public services positions in last year's budget cuts made it clear that it was time to adopt the same model at our other main library—integrating the work currently performed at the library's Main Circulation Desk and in the Learning Commons into a single service point.

But the reasons for the new *Ask Us* center at Hill were even stronger than the need to make wise use of our staff during difficult times with the budget. Anyone who hasn't been in the building recently cannot possibly imagine how much the library has become a churning hub of student activity. If you don't have a ready image for it, think "airport lobby" for our slower days and "NC State Fair midway" for the busier ones. And almost every one of the



The Main Circulation Lobby at the D. H. Hill Library is a major hub of activity for library visitors.



# Ask Us



Student worker Hannah Cranford assists a student at the new Ask Us center at the D. H. Hill Library with single-point, concierge-style service.





Our library staff and student workers don't just stand behind a counter. They are out in the library, meeting our users' needs wherever they arise. Student worker Travarus Littlejohn carries a radio and iPad as he makes the rounds, assisting with everything from finding a book to troubleshooting a printer.



10,000 daily visitors needs something critical to their coursework or research from the library staff.

With its bright Wolfpack red walls and iconic logo, the new *Ask Us* center at D. H. Hill opened in August at the top of the main staircase on the first floor. Staffed by a combined group from the Access and Delivery Services, Research and Information Services, and User Experience departments—and some of our best student workers—it provides a single space for help with everything from finding data or information for a research project, to receiving training on how to use iMovie, to checking out a high-definition video camera, to printing a poster.

But *Ask Us* is a lot more than a single space. It isn't just a desk, but a living, breathing system of student



workers and librarians armed with iPads and two-way radios circulating through the library, constantly monitoring chat, email, or calls from students and faculty and ready to instantly show up wherever and whenever anyone has a question or needs a service. And those student workers are earning much more than just a paycheck. Because they are trained to provide our first-line support on the sophisticated technology throughout the NCSU Libraries, they are telling us they have both one of the most stimulating student jobs on campus—and a substantial competitive advantage when they go on the job market.

Staff members like Alex Reher (above) and Anne Burke (below) are on hand to provide both quick search assistance as well as more in-depth research consultation services in the *Ask Us* center.





## STAFF NEWS

### Our Library Personnel

The following are Libraries staff members who have joined us in recent years but have yet to be introduced.



Chris Tonnelli

As Special Assistant to the Director, **Chris Tonnelli** manages the policy functions and the external and internal relations of the Office of the Vice Provost and Director of the Libraries. His duties involve coordinating communication for the Director, including strategic reports, speeches, position statements, articles, opinion pieces, and other communiqués. He also investigates and analyzes topics in librarianship and higher education for the Director; participates in administrative studies related to the planning and development of library programs; contributes to the preparation of grant proposals; and coordinates arrangements for visitors.



Jennifer Garrett

Tonnelli brings experience in higher education, administration, and publishing to this position. Most recently, he was both a lecturer in the Department of English and Assistant Director of the First Year Writing Program at NC State. He is also Director of the Young and Teen Writers Workshops in the College of Humanities and Social Sciences, where he was nominated as Outstanding Lecturer. Previously, he was the Co-Director of the Art of London and Paris program in the NC State Study Abroad Office. He has been an active member of the NC State campus community, serving on the University Library Committee, the Common Reading Committee, the NC State Faculty Senate, and other academic committees.

A prolific and prize-winning poet, Tonnelli has published in a variety of formats, including the book, *The Trees Around*, and in the anthologies *PoetrySPARK*, *Leopard Print*, and *The Bedside Guide to No Tell Motel*. Tonnelli has been an editor with Houghton Mifflin Company and an editorial assistant for the Natural Standard Research Collaboration and for *the Journal of Herbal Pharmacotherapy*. He is the co-founder and editor of *So and So Magazine and Series*, as well as *Birds, LLC*, an independent poetry press. He has been a participant in several collaborative projects that have been awarded grants from the Council of the Arts at MIT and the Council of Literary Magazines and Presses. He holds the Master of Fine Arts in Poetry from Emerson College, the Master of Arts in English, and the Bachelor of Science in Zoology from NC State.

**Jennifer Garrett** is the Research Librarian for Management, Education, and the Social Sciences.

In this role, Garrett provides information and research services for students and faculty, offering in-depth reference service and consultation in the areas of management, education, and the social sciences. She works closely with faculty and students in the Colleges of Management, Education, and Humanities and Social Sciences to determine and meet service needs, including the design and delivery of research skills instruction.

Most recently, Garrett served as an NCSU Libraries Fellow with a home department assignment in Research and Information Services, where she was interim subject specialist for several of the social sciences. She worked closely with faculty to design and deliver advanced instruction sessions and managed online resources for these disciplines. Garrett's initiative assignment focused on shaping the visitor experience at the James B. Hunt Jr. Library. She assisted in the design, content development, and implementation of the Hunt Library mobile tour application, and contributed to the creation of a sustainable model for visitor experience programming at the NCSU Libraries.

Before joining the NCSU Libraries, Garrett was a graduate assistant in the Humanities and Social Sciences Library at the University of British Columbia. She completed practicums with the Public Health Agency of Canada and with the Knight Library Maps & Aerial Photography Collection at the University of Oregon. As an Association of Research Libraries (ARL) Career Enhancement Fellow, Garrett was assigned to the University of Kentucky Medical Center Library

and Special Collections Library. She was also an ALA Spectrum Scholar and an ARL Diversity Scholar. Garrett holds the Master of Library and Information Science from the University of British Columbia and the Bachelor of Arts *magna cum laude* in History, Political Science, and Religious Studies.

**Tessa Minchew** joins the NCSU Libraries as Electronic Resources Librarian in the Serials unit of the Acquisitions and Discovery department, where she manages projects, develop workflows, and ensure access to e-resource collections.

Minchew brings a broad range of technical services experience to the position, having been solely responsible for systems and electronic resources management at Georgia Perimeter College, where she served all five campus libraries that comprise the third largest student body in the University System of Georgia. In her most recent role, as Systems and Electronic Content Librarian, Minchew was responsible for all aspects of electronic resources management including vendor relations, trials management, acquisitions, licensing, cataloging, and technical support. She managed the Voyager integrated library system and served as administrator of LibAnalytics, LibAnswers, LibGuides, and LibraryH3lp, including training staff in the use of these resources. Past assignments include both Systems and Catalog Librarian responsibilities at Georgia Perimeter. She has also served as an instructor of cataloging and classification for Valdosta State University.

With a record of extensive service to the Georgia Library Association (GLA), Minchew is a member of the Executive Board, has served on the planning team of the Carterette Series Webinars, and is the recipient of the GLA McJenkin-Rheay Award for outstanding contributions to the association from an early-career librarian. She was co-presenter of two sessions at Digital Transformation Week, Georgia Perimeter College, 2012: "Professional Development Needs" (round table), and "Making the Library Mobile." Minchew holds the Master of Library and Information Science from the University of Southern Mississippi, and the Bachelor of Fine Arts from Mississippi State University.

As Electronic Resources Librarian for Data Projects and Partnerships in the Acquisitions and Discovery Department, **Eric Hanson** takes a lead role in describing and providing access to print, electronic, and manuscript resources, with a specialization in the Libraries' digital repository and user discovery systems. He is a member of the Data Projects and Partnerships Unit, which manages projects, develops workflows, and trains staff. His role includes overseeing data operations across the Libraries' systems, as well as developing and analyzing statistical and management reports.

Hanson was an Acquisitions Technical Assistant at the W.W. Clark Memorial Library at the University of Portland, where his duties included ordering and receiving all firm and standing orders for print and audiovisual resources. He has experience creating original MARC records for monographs, electronic resources, and audiovisual materials, and is skilled at designing XML-based application profiles using a variety of metadata standards. Hanson has held



Tessa Minchew

positions in a variety of library settings. He was a Library Assistant at Clark Elementary School, a Summer Reading Outreach Assistant and Public Relations Intern at Multnomah County Library, and a Cataloging Clerk at Lewis & Clark College, all in Portland, Oregon.

Hanson has presented on topics relating to collections, access, and cataloging. He is the author of the recently published article, "RDA Training and Implementation at the University of Chicago: An Interview with Christopher Cronin," in *Serials Review*. He recently completed his Master of Library and Information Science at the University of Washington. He was awarded the Oregon Library Association Scholarship in both 2011 and 2012. He holds the Bachelor of Arts in History from Lewis and Clark College, where he was a Dean's Scholarship recipient.



Eric Hanson





**THE FRIENDS OF THE LIBRARY**  
**2013–2014**  
**HONOR ROLL**

As we begin 2015, we are grateful to recognize the support of our members and donors. Private funding for the Libraries provides the vital technologies, furnishings, and enhancements that give the Libraries its competitive edge. We thank the students, alumni, faculty, staff, retired faculty, and community members who are committed to the NCSU Libraries and the quality of its services to NC State students and researchers.

**Thanks for Your Support.**





© Jeff Goldberg -/Esto

## 2013–2014 HONOR ROLL OF FRIENDS

### DIRECTOR OF LIBRARIES' CABINET

\$15,000 AND OVER

Richard H. & Cynthia P. Bernhard  
 Mitchell Bush  
 College of Humanities and Social Sciences (CHASS)  
 Robert I. & Kathleen M. Connelly  
 Council on Library & Information Resources  
 iPearl Inc/Haihui Huang & Jie Zheng  
 Frank C. Harmon  
 F. M. Kirby Foundation, Inc.  
 Marvin J. & Cynthia M. Malecha  
 Frances W. Massey  
 Estate of Raymond L. Murray  
 PNC Financial Services Group  
 State Library of North Carolina  
 Ed & Agnes B. Weisiger  
 Robert & Diana Wong

### BENEFACTORS

\$5,000 TO \$14,999

Association for Computing Machinery, Inc.  
 Anonymous  
 BASF Corporation  
 Cree, Inc.  
 Michael C. & Beth A. Goff  
 Susan K. Nutter & Joe A. Hewitt  
 INFORMS Simulation Society  
 William Johnson & Tracy Schario-Johnson  
 Myron W. & Sandra L. Kelly  
 Robert P. & Elaine L. Kennel  
 LexisNexis  
 Nandapurkar Family Trust  
 North Carolina Arts Council  
 North Carolina Humanities Council  
 RTI International  
 Henry E. & Dianne M. Schaffer  
 Scynexis Inc.  
 Skanska USA Building Inc  
 Michael K. Stoskopf & Suzanne Kennedy-Stoskopf  
 James. E. & Linda P. Turlington

### PATRONS

\$1,000 TO \$4,999

C. Frank Abrams Jr. & Judy W. Abrams  
 AgBiome Inc  
 American Board of Anesthesiology, Inc.  
 Cristi P. d'Andrea  
 Beverly Z. Armstrong  
 Charles W. & Jane M. Arvey  
 John & Carolyn D. Argentati  
 Asinex  
 Bayer CropScience  
 A.C. & Naomi P. Barefoot  
 Robert E. Beasley Sr.  
 bioMerieux, Inc.  
 Carl F. Blackman & Carolyn R. Miller  
 Richard A. & Kimberly B. Bloomfield  
 Edgar J. & Ethel B. Boone  
 Henry & Sory G. Bowers  
 Centennial Campus  
 Chimerix Inc  
 College of Sciences  
 Arthur W. & Jean F. Cooper  
 Cotton Incorporated  
 Charles B. & Elizabeth A. Davey  
 Patrick E. Deaton  
 William L. & Linda L. Dowdy  
 EBSCO Industries Inc  
 Envisia Therapeutics, Inc.  
 Fujifilm Diosynth Biotechnologies

Thomas R. & Sue B. Fulghum  
 Elin E. Gabriel  
 Eileen S. Goldgeier  
 David W. & Colleen L. Goldsmith  
 Lynda H. Hambourger  
 John A. Heitmann Jr. & Joy M. Heitmann  
 Henkel Technologies  
 George L. & Rebecca E. Hodge  
 J. Anthony & Gloria W. Houser  
 James B. Hunt, Jr. & Carolyn L. Hunt  
 Institute for Hepatitis and Virus Research  
 Intrexon Corporation  
 C. Tim Kelley & Chung-Wei Katherine Ng  
 Robert C. & Larita Kellison  
 Carl C. & Evelyn Koch  
 Isaac T. Littleton  
 Liquidia Technologies, Inc.  
 W. Robert Maddin & Nancy Kuivila  
 Charlotte M. Martin  
 Geoffrey D. McLean  
 Jivan Moaddeb  
 Richard M. & Debra M. Morgan  
 Myers, Bigel, Sibley & Sajovec, PA  
 Richard E. & Barbara P. Nance



Novozymes North America  
Inc  
John A. Papalas III  
Pew Charitable Trust  
Loren L. Pittman  
Gregory K. & Lisa Raschke  
W. Trent Ragland Jr.  
Foundation  
SAS Institute Incorporated  
Wendy L. Scott  
Richard A. Speers  
State Employees Combined  
Campaign  
Warren & Debbie  
Stephenson  
Targacept, Inc.  
Gil Wheless & Doug Nelson  
Garnett B. Whitehurst  
James R. & Mary E. Wilson  
W. Randolph & Susan W.  
Woodson

## SPONSORS

\$500 TO \$999

Advanced Liquid Logic  
Aerie Pharmaceuticals, Inc  
American Board of  
Anesthesiology Inc  
Association of Retired Faculty  
Robert A. and Cynthia  
Bashford  
Lloyd R. & Genevieve J.  
Bostian  
Quincy A. & Bethaney Byrd  
Coca-Cola Bottling Company  
James R. Crenshaw Jr. &  
Laura C. Crenshaw  
William A. Curlee III  
Lucy C. Daniels  
Ronnie L. Davis  
Jay Dawkins  
William L. & Catherine Diel  
FreeBooksy  
Gnarus Advisors LLC  
Kerry S. Havner  
Thomas H. & Miriam A.  
Hobgood  
Nan-Shing Hsu  
Innovation Research &  
Training, Inc.  
Charles J. & Margaret K.  
Jackson  
Craig W. Jones & Kristin A.  
Antelman  
K2 Solutions, Inc.  
Kenneth H. Kerr  
Robert C. Kochersberger Jr.  
& Janet C. Watrous  
Metabolon, Inc.  
Deanna J. Nelson

Nomacorrc, LLC  
Novan, Inc.  
Lee & Betty H. Parker  
Gary A. & Rebecca B. Payne  
E. Barclay & Lindy Poling  
Pura Vida Promotions, Inc.  
Alfred & Suzanne T.  
Purrington  
Frank D. & Dudley Hill  
Sargent  
Charles H. & Mary G.  
Sedberry  
Semprius, Inc.  
Edward S. & Estelle I.  
Thomas  
Thomas A. & Cynthia P.  
Trowbridge  
Two Blades Foundation  
TyrTech  
Michael L. & Mary W.  
Walden  
Cody N. Williams  
Doug & Amanda Yopp

## SUSTAINING FRIENDS

\$100 TO \$499

Chris K. Abbott  
Bonnie J. Aldridge  
Joseph W. Algaier  
Michael S. & Theresa L. Allen  
Nina Stromgren Allen  
Jeffery A. & Kristine M. Alpi  
Rasidul Amin  
Wilson Angley  
Michael Archer  
Jeremy Arkin & Marian G. Fragola  
Frank & Sharon H. Arthofer  
David E. Aspnes & Cynthia J. Ball  
Lawrence & Ann G. Auerweck  
Richard C. & Elizabeth S. Axtell  
Masud Azimi  
Barry A. Baker  
Bonnie L. Baker  
Troy Baker  
Brendon W. Ball  
Sanjeev & Debjani Banerji  
Thomas E. Barta  
Maya K. Beck  
Elizabeth A. Bell  
Ronald Berliner  
James S. Bernstein  
L. Barry & Alma H. Biagini  
John W. & Catherine W. Bishir  
The Blanchard Fund  
John G. Blankenship  
Dianne Boes  
Peter Bosches  
Bruce W. Boucher  
Mariah J. Boulware  
Marta R. Bowen  
Christopher Bower  
Jamie D. Bradway  
Richard R. & Anne Margaret  
Braham

Theodore G. Brna  
Martin Brotman  
Evelyn C. Brown  
Will Butler  
Timothy F. Cahalan Jr.  
Greg Candel  
Allison L. Cardella  
Christian F. & Anne M. Casper  
David D. & Sandy Chapman  
Arin Chaudhuri  
John L. Chiabrando  
Shu Y. Chien  
Aaron D. Chiles  
Daniel P. Christen  
Janice R. Christensen  
Wayne C. Clark  
Clark Nexsen Owen Barbieri &  
Gibson  
Douglas B. Clayton  
Thomas E. & Frances G. Coggin  
Elizabeth Collins  
G. Dale Cousins  
Mona C. Coutts  
Edwin D. & Marion D. Cox  
Elizabeth M. Crawford  
David E. & Eleanor C. Cromartie  
Lisa M. Cusin  
Thomas H. & Jennifer  
Cuthbertson  
Jo Ann Dalton  
Reddeppa R. Dandu  
David A. & Susan C. Danehower  
Kalyan K. Das  
Juan Davagnino  
S. Lawrence & Sarah C.  
Davenport  
Denise Davis  
Jerry M. & Jinnie Y. Davis  
John E. Davis  
Robert F. & Elizabeth Dean  
Thomas Dean  
Deanne Beckwith Design  
Evangelos Denaxas  
Tom Dickson  
William F. & Debra Doheny  
Stuart & Josephine S. Dorsett  
Tom & Kathy Dow  
Murray S. & Virginia C. Downs  
Harold M. III & Jill T. Draper  
Nicholas Duck  
Walter M. Duncan Jr. & Kristin L.  
Malmberg  
Katherine Durgin & Elaine  
McKinley  
Lawrence S. Earley & Renee  
Gledhill-Earley  
Education Training Systems  
Jack R. Edwards Jr. & Laura C.  
Edwards  
Marc Edwards  
Benita P. Ellis  
Risa S. Ellovich  
Christian Erxleben & Angela  
Wenning-Erxleben  
Melissa F. Eudy  
Julius E. & Rolina C. Fajardo  
Patricia Fields  
Keith M. & Penny G. Fischer  
Paul F. Fisher  
Elizabeth A. Fitzpatrick  
M. Jayne Fleener & Michael L.  
Merritt  
Mark J. Fobel  
David L. & Donna W. Francis  
Franklin International  
Donn B. & Judy Freeman  
Edna M. Freier  
Friends of NCVMA Foundation,  
Inc.  
David C. & Susan L. Froehlich  
Robert V. Fulk Jr. & Judith G. Fulk  
Richard J. & Valerie A. L. Galler  
Robert & Anne M. Gambella  
Manjori Ganguly  
John O. & Sheri W. Gant  
Warden R. & Belinda K. A.  
Gaskins  
Godfree Gert  
Forrest W. & Evangeline S.  
Getzen  
Reza A. Ghiladi  
John B. & Minnie R. Gillett  
Daniel Gilligan  
Bruce & Marian Goldman  
Robert J. & Esther Graesser  
John Gravino  
Burton J. & Eleanore L.  
Greenberg  
Marjorie Jo Greene  
Robert W. Guy  
Jordan Haber  
Charles T. & Cheryl B. Hall  
Bruce & Joann Hammerberg  
John B. Hardy Jr. & Carolyn D.  
Hardy  
John S. Hardy  
Richard E. & Margaret L. Harker  
Franklin D. Hart  
Hassan A. & Nabila Hassan  
Michael F. Haw  
Tim & Kimberly Haynes  
Robert L. Henn  
Maud Hinchee  
Hodge & Kittrell Sotheby's  
International Realty  
Jonathan P. Holloway & Heather  
M. Carroll  
J. Darrin Holt  
John M. Hood  
Louis S. & Lela B. Hovis  
Richard L. & Kelly W. Hovis  
David R. & Martha K. Howard  
J. C. & Frances L. Huffman  
Melvin E. & Peggy J. Huffman  
H. Lawson Huggins Jr. & Theresa  
Huggins  
Insight Business Valuation, Inc.  
Lynn Jamieson  
William M. & Amy E. Jenniches  
Jonathan C. & Lisa M. Johnson  
Joseph E. & Amanda M. Johnson  
Harry L. Jones & H.R. Sieglinde  
Mason  
James W. & Jo Ellen Kalat

Brett Keller  
Steve & Mary Keto  
Minbo Kim  
David A. King  
Susan M. Kirby  
Phillip J. Kirk Jr.  
Doug Kirven  
Joseph F. Klimek  
Marushka H. Konanc  
Matthew J. & Laroka Kostura  
Leonid Y. Krasnobayev  
Herbert W. Kress  
Prof. Hamid Krim  
Marty A. & Geri H. Lail  
Kenneth R. & Shari K. Lakin  
Philip C. & Catherine V. Lambe  
David D. & Katherine M. Lambeth  
Dan Lantz  
George M. Larsson  
Julius & Ann Lasnick  
William C. & Wendy H. Lawton  
Arnaud Le Menach  
Elsie L. Lee  
Lee Hansley Gallery  
Charles D. & Wanda S. Leffler  
Ross B. Leidy  
Terrence A. & Heather L. Lenahan  
Banks L. & Anne Leonard  
Thomas D. & Susan B. Lisk  
Lianghong Liu  
Jiranut Loetamonphong & Paisan  
Limratanamongkol  
Chester Loggins Jr.  
Christina D. Lumbantoruan  
Dan P. MacMillan Jr. & Lola M.  
MacMillan  
Nawaf Marjan & Jan Beiting  
Radhakrishna K. Maroju  
Bob & Carol J. Mattocks  
Jack H. & Jennifer H. Mattox  
Vernon C. & Constance M.  
Matzen  
Meredith L. McBride  
Daniel J. McKone  
Richard S. McLane  
Paul D. McWhinney & Jeanne M.  
Hammer  
Lorraine G. Mercer  
Randy Mercurio  
Julia K. Metzker  
Sarah C. Michalak  
Michael D. Miller  
Michael D. & Sonja Moore  
Rebecca L. Moore  
John Andrew Morehart & Joanne  
Pham  
Jim Moretz  
James P. II & Sarah S. Morrison  
Stephan G. Mueller  
Anindya Mukherjee  
Elizabeth Reid Murray  
NC Entomological Society  
NC Zoological Society Inc  
Joel C. New  
Stephen J. Norton  
Regina Osih  
Yona R. Owens

Daniel R. & Elizabeth G. Page  
Michele Pannell  
Amy Paradis  
Robert E. & Carol F. Parries  
George C. & Judith O. Parrish  
Jessica L. Partlow  
Paul J. Partyka  
Huston Paschal  
Robert L. & Jennifer D. Pascucci  
Richard R. & Nell H. Patty  
Brian L. Peeler & Joy Moretz  
Mary M. Peet  
Lewis J. Peiper  
Prabhakar D. & Lynne D. Pendse  
Joan T. & Charles R. Pennell  
Mark Perlberg  
Deborah Ann Petermann  
Christine L. Peterson  
Phi Kappa Phi Honor Society  
David M. Phillbrook & Helen Yoest  
Charles A. Poe Jr. & Patricia F.  
Poe  
F. Orion Pozo & Sabina T.  
Vermeulen  
Marta R. Prescott  
Terry Price-Reeves  
Quail Ridge Books  
Will Quick & Meghan McCarthy-  
Quick  
K. C. & Ann C. Ramsay  
Maria Ramusevic  
Patrick Rand & Christine A.  
Nalepa  
Sandhya Rani  
Stephen W. Rebman  
Sean Regan  
Janet W. Reid  
Douglas A. Rice & Susan M.  
Jayne  
Marshall M. Rich  
J. Michael & Donna W. Rigsbee  
Sami H. Rizkalla  
Dominique Robertson  
Gregory Ross  
Nagui M. & Maria G. Roupail  
RTP Environmental Associates,  
Inc.  
Jason S. Rucienski & Hyekyung  
Kang  
Earl J. Rudner & Bonnie M.  
Brenner  
Kourosh Saadatmand  
Dan Schaefer  
Scott Schetrompf  
Celeste L. Sciabarasi  
Carroll C. III & Shirley Scott  
Sarah R. Shaber  
David W. & Denise P. Sherman  
James F. Shotwell Jr. & Linda M.  
Shotwell  
Leon R. & Mildred P. Simon  
June Singletary Jr. & Elizabeth  
Singletary  
Bing & Carol S. Sizemore  
Melinda G. Slatt-Friedeberg  
Mary Jane Slipsy  
Keller Smith Jr. & Bennie P. Smith

Norfleet N. Smith Sr. & Gertrude  
R. Smith  
Salma M. Smith  
Zachary Q. Smith  
Daniel L. & Carolyn U. Solomon  
Eugene G. Sommerfeld  
Sonas, Inc.  
Kent M. Sorrells  
Don L. & Faye H. Sparks  
Rajiv R. Srivastava  
Anita L. Stejskal  
David L. Stephan  
Hugh Stevens  
Daniel F. & Rachel K. Stinehelfer  
Ralph Dee Stout Jr. & Berry T.  
Stout  
Sathish K. Subramanian & Anitha  
Shanmugam  
Nandita Sugandhi  
Gerald D. Surh & Nelia Berko  
Charles D. Swor  
Michele P. Tam  
Richard X. & Teresa Y. Taylor  
Sarah E. Teague  
Allen R. & Dorota Temple  
Bjorg M. & Paul W. Thayer  
Lois Thompson  
Marcia L. Toms  
Alan E. & Sara E. Tonelli  
Nadine F. Tope  
Eunice L. Toussaint  
Carlisle C. Trimble  
Rabindranath Tripathy  
Renee Trogdon  
Lynne K. Turnham  
Karen M. Untz  
Oliver D. II & Diane W. Upshaw  
Michael T. & Dana B. Vaden  
Robert E. Van Dyck & Lyell L.  
Slade  
Eric D. Vance  
Mark B. & Brandy A. Vannoy  
Bourke B. Vaughan  
Bhaskar R. Venepalli  
Paul M. Vernon Jr.  
Hassell L. Vester  
Lara Vojnov  
Allison Wack  
Tianyuan Wang  
Mark Ware  
Mary Catherine Watterson  
Ann Weller  
Walter J. & Susan B. Wessels  
John H. Widdifield  
Harold & Kathryn Wiebusch  
John K. & Carolyn J. Wiles  
Glen W. Wilkerson Jr. & Shawn W.  
Wilkerson  
Ernest T. Wilkes  
J. Blount & Dargan M. Williams  
James & Hannah N. Wooters  
Jing Wu  
Minglang Wu & Li Ma  
James B. Wyman  
Mark Yogodzinski  
G. Smedes & Rosemary A. York  
John M. Young & Liz Riley-Young

John S. Young  
Li Yu  
Yiu-Fai Yung & Lei L. Lau  
Lieutenant Commander Thomas  
A. & Irene Zdunczyk

## FRIENDS

### UP TO \$99

Roger L. & Gretchen M. Adema  
Babalola K. Akedjo  
Jayson L. Allen  
Nina S. Allen  
Penny M. Amato  
Asad Amir  
Geoffrey L. Anderson & Alexis S.  
Anderson  
Kim S. Anderson  
Stephanie A. Anderson  
Wilson & Jonlyn W. Angley  
Caroline T. Asher  
Kenneth S. Atterman  
George & Kathryn Browne  
Auman  
Heather Baker  
Alton J. & Catherine H. Banks  
Harry N. Barbee  
Chelsea R. Barnes  
Robert A. & Shirley Barnhardt  
Wilbur G. & Mary Batten  
Joseph F. Beasley  
Karen B. Beck  
Daniel H. Benjamin  
Edward Beroset  
Ann T. Berry  
Michael A. Berzini  
Martin C. Best  
Amit Bhatia  
Udbhav D. Bhatnagar  
William S. Blair  
Andrew K. & Elizabeth J. Blue  
David R. Boaz & Carrie V.  
McMillan  
Joshua A. Bockenek  
Kyle A. Bond  
Allison C. Boone  
Roy H. Borden Jr. & Laura H.  
Borden  
Jacob N. Borders  
Megan Q. Bostic  
Frank G. Bottone Jr. & Stacy  
Bottone  
Paul Gaston Bouzigard  
Jean C. Bowen  
Clarence E. Bradley & Mary Sue  
Hay  
Stacy Branch  
Marilyn M. Brandt  
T. Edward Bremson  
Patricia M. Brezny  
Boris & Lisa W. Brglez  
Robert E. Brickhouse  
Susan E. Brooks  
June M. Brotherton  
M. J. E. Brown  
Talmage T. & Carol J. Brown



Wade H. & Kathryn D. Brown  
Christopher S. & Brenda B.  
Buckhalter  
Michael T. & Tina B. Burden  
Webb L. & Carol W. Burgess  
Qato Burkhart  
Jacob Cameron Burnett  
Thomas A. Burns Jr. & Theresa  
L. Burns  
Vicki Burstein  
Kenneth A. Byrd & Robin Bartlett  
James P. & Mary J. Byrtus  
Edward L. & Deborah Cabaniss  
James & Elaine Cahill  
Kevin J. Calvo  
Colin M. & Caroline D. Campbell  
James J. Cappy  
Carolina Restaurant Associates  
Cari B. Carothers  
Leslie E. Carter  
Melanie D. Carter  
Charles D. & Margie T. Case  
David M. & Mary I. Cates  
Anne D. Chance  
Courtney G. Chang  
Manzoor A. Cheema & Linda  
O'Neal  
Cheng K. Chien  
Copper Coggins  
Susan A. Cohen  
Stephen R. & Vivian H. Colbert  
Ronald E. Cole  
Derrick L. & Keysha Coley  
The Law Office of Colon &  
Associates  
Taylor Cooke & Katie Arnold  
Phillip T. Cooper & Virginia L.  
Williams  
Christine M. Copper  
Jason M. Cowell  
David T. Cox  
Jacob & Deborah Myatt Crandall  
William L. Creighton  
Jeffrey J. & Terrell A. Crow  
Grant S. Crownfield  
Houston L. Crumpler  
Marc A. & Julie H. Cubeta  
John F. Cudd Jr. & Vicki W. Cudd  
Danielle Michelle Cunio  
Debra L. Currie  
Edward L. D'Antonio  
Bill & Betty G. Daniel  
Satrajit & Urmila Das  
Kushal Dasgupta & Sharbari Dey  
Rovindra Dat & Lynne Atherton-  
Dat  
James H. Davis Jr.  
David A. & Andrea M. de Camara  
Lisa O. Dean  
Pravin S. & Geeta P. Desai  
Ashley R. Desena  
Hugh A. & Nancy F. Devine  
Om & Sudha Dhingra  
Urban L. & Jacquelyn M. Diener  
Stephen C. Dimpsey  
Troy A. Doby Jr.

T. Greg Doucette  
Jean-Jacques B. Dubois  
J. Gary & Norma C. Dudley  
Amy Margaret DuVernet  
Allen C. & Mary D. Eberhardt  
Ahmed E. El Saghir  
Gerald H. Elkan  
William D. Ellenson & Kathleen  
R. Brown  
John J. & Joanna A. Ellis-  
Monaghan  
Katherine L. Hensley  
David J. & Charlene E. Enscore  
William P. Erchul & Ann C.  
Schulte  
Husnu M. Erenli  
Erik A. Eriksen Jr.  
Elizabeth N. Evasdaughter &  
Louise Salstad  
E. Ken Ewing Jr. & Judy C. Clark  
Tushar D. Fadale & Colleen S.  
Kreig  
Eugene M. & Amber Joplin  
Farrelly  
Gary Faulkner & Karen E.  
Chiswell  
Lisa L. Feldmann  
Mark B. Fernandez  
Robert G. & Karen Marie Fletcher  
Francisco J. Flores  
William L. Flournoy Jr.  
Neal C. Floyd Jr. & Regina K.  
Floyd  
Nancy Frank  
John E. Freeze  
Dan Frey  
George W. Frink III  
Jamie Frye  
Tracy L. Fulghum  
Alana P. Garner  
Paul V. Garvey Jr. & Barbara C.  
Garvey  
Charles P. IV & Sarah P. Gaylor  
Robert C. & Nancy J. Gibbs  
Gloria D. Ginsberg  
Paul & Eloise Gister  
J. Conrad & Gaynelle S. Glass  
Peter A. & Alene C. Goolsby  
Tom Emmel & Lisa L. Grable  
Michael & Julie B. Graham  
Teresa D. Green  
Mike & Suzanne G. Griffin  
Clay S. Griffith  
Timothy & Emily C. Griffiths  
George L. & Katheryn S. Grubbs  
Erdogan Gulyaz  
David R. & Karen Guzman  
Richard L. Haley  
Maureen W. Hamilton  
Richard O. Hammer  
James M. & Jerilyn H. Hardaway  
Ricky L. & Katherine M. Hardy  
Abraham J. Harman  
Michael J. & Catherine Harper  
James O. & Sandra B. Harrell  
Bill & Cheryl P. Harris

Travis M. Harrison  
James L. Hartsell  
John C. Haws  
Lisa Hebacker  
Walter W. & Corinne Heck  
Paul A. Herbert  
Daniel Herrington  
Holly A. Hess  
Carl W. Hibbert  
Monty Hickman & Wanda C.  
White  
Gregory E. & Marilyn H. Hicks  
Marie Hicks  
Steven R. Hilliard  
David W. Hiscoe  
Ernest Hodgson  
Thomas H. & Sylvia M. Hodgson  
Thomas M. Hohn  
Miles Fitzgerald Holst  
Marc T. Horstman  
Clark D. Horton  
George Louis Hosfield  
David L. & Amanda H. Houser  
Scott M. Hrinko  
Bernard & Elut Kwok Hsu  
Stephen H. Hulme & Gloria N.  
Barnett  
Teagan I. Humphries  
Louis D. Hunt Jr. & Dawn R. Hunt  
Margaret Rogers Hunt  
Tom & Carolyn M. Hunter  
W. Elliot & Tina H. Inman  
Michael R. & Paula M. Izquierdo  
Denis S. & Sylvia H. Jackson  
Jonathan P. Jackson  
Carrie C. Jacobs  
Sudhakar Jaganathan  
Arun D. Jani  
Ian C. Jewell  
Theresa B. Johansson  
Andrew G. Johnson  
George Gary Jones  
Patrick K. & Chisa S. Kalemba  
Gene Kaufman  
Harvey G. & Georgia G. Kebschull  
Mary P. Kellagher  
Charles W. III & Christine C. Kelly  
William L. Kemp Jr. & Sheila W.  
Kemp  
Matthew D. & Amber M. Kendall  
Gary A. & Wanda Jean Killen  
Myung K. & Youngsoon H. Kim  
Todd J. Kosmerick  
Jessica Krysty  
Vikram Kumaran  
Robery & Dorothy P. Kurzawa  
Andrew T. & Amanda H. LaCroix  
Chirag M. Lakhani  
Peter G. Lam  
P. Selden Durgom Lamoureux  
Robert W. & Marcia G. Lange  
Robert B. & Olive J. Larson  
Elizabeth O. Lawrence  
Charlotte S. Lawson  
Frank W. Leak Jr. & Melissa Leak  
Kelly Lee

C. Sandford III & Catherine  
Levings  
Susan Levinson  
Louise Lewis  
Phillip A. & Karen H. Lewis  
William M. III & Laura F. Lindsay  
Quentin & Margorie W. Lindsey  
Victor J. Lindsey  
Mike Lisanke  
Bretton C. Little  
Phillip A. Shirley M. Lombardi  
Valdir Lourenco Jr.  
Nassie Ralph III & K.H. Lucas  
Hrvoje Lusic  
Bangya Ma  
David L. Machles  
Erin Malloy-Hanley  
Kenneth & Sue Marks  
Page Marsh  
George C. Marshall  
Kyle F. & Donna K. Martin  
Ravi Teja Matta  
Daniel R. Max  
Russell E. May II & Paola Sztajn  
Tammy S. May  
Joan M. McCallie  
Gary McCutchen  
James M. McGarrah  
Mimi M. McKinney  
Haylee M. McLean  
Joseph H. Meadows Jr.  
Rupert Hardy Medford  
Donald N. & Karen Melton  
Matthew Dragana K. Mendel  
L. Merritt Jones Jr. & Susan P.  
Jones  
MG Enterprises  
Clayton H. Milks Jr. & Cecelia  
Milks  
Jeffrey A. & Debra G. Miller  
Matthew M. & Michelle Milligan  
Patrick O. Mills & Casaundra D.  
Mills-Craddock  
Nicholas G. Mirisis  
Burley B. Mitchell Jr. & Lou  
Mitchell  
Raymond A. Monteiro  
Alan J. & Katy Montgomery  
Joshua D. Moore  
Raymond H. Moore Jr.  
Susan E. Moore  
Cindy Morris  
James A. Jr. & Joella Morris  
Jenny R. Morris  
Geoffrey B. Morrison  
Ann F. Mullen  
Jeffrey T. Mullen & Concepcion  
Jimenez-Gonzalez  
Matthew R. Mullins  
Jonathan B. Murphy  
Talbert Myers  
Amy J. Nail  
Mohamed Ashraf Ali Sheik Nainar  
James M. Nason  
Sachin B. Nayar  
Lars E. Nelson & Anne Clinard

Donald L. Newman Sr.  
 Robbie & Pamela Newman  
 Slater E. & Patricia T. Newman  
 Kendall S. Newswanger & Ruth E. McDaniel  
 Yixuan Ni  
 Melissa Noel  
 Holly R. Noll  
 Elizabeth Nooe  
 Dave Nourse  
 Michael R. Nutt  
 Michael A. & Roxane O'Brian  
 David K. & Cecelia R. O'Loughlin  
 Arwa M. Omary  
 Joel R. & Ruth H. Parker  
 Tripp & Ginny Parks  
 Barbara M. Parramore  
 Ernest C. Pasour Jr. & Adaline A. Pasour  
 Alan G. & Wanda H. Pate  
 Dhrumil Patel  
 Aditi S. Pathak  
 Akshaya R. Patrachari  
 Tracy Patty  
 James Paumier & Marcia L. Gumpertz  
 Romy S. Pavolotsky  
 Margaret L. Peak  
 Jeffrey A. & Julie D. Pederson  
 Gerald F. & Brenda P. Peedin  
 Frank J. III & Kara Elisabeth Pereira  
 LaVelle F. & Chandra S. Peterkin  
 Edward M. & Carol A. Petrie  
 Christopher S. & Kellie Petty  
 Charles R. & Jean D. Philbrick  
 Thomas A. Phillips  
 Alexander Pitofsky  
 James P. III & Melissa B. Plummer  
 Polyzen, Inc.  
 John B. Posthill  
 John S. Powell  
 Douglas C. Price  
 Barbara A. Prillaman  
 Joshua A. Privette  
 Kathleen G. Prosseda  
 Charles R. & Pet Pruden  
 David A. Qualls Jr. & Iris E. Qualls  
 Timothy J. & Anna D. Quinn  
 Marija Rabak  
 Mary Rabb  
 Rodney E. Radford  
 Thomas A. Ragsdale  
 Kailash N. Rajwani  
 Girish A. Ramachandra  
 Thomas S. & Kimberly L. Ransom  
 Jacob M. & Lauren P. Rash  
 Vinayak Rastogi  
 Venu M. & Himabindu Ravi  
 Margaret W. Ray  
 Susan C. Ray  
 David S. & Rose N. Raymond  
 Jennifer Guthrie Reed  
 Brenton R. Reid  
 Amera K. Remick

Molly Renda  
 Samantha N. Rich  
 John C. Richter III Kirsten Weeks  
 Michael W. Riley  
 James H. Roberds  
 Ian W. Robinson  
 Justin I. Rogers  
 Nicholas J. & Muriel F. Rose  
 Susan Rosenberg  
 Louie E. Ross & Lynn R. Holmes  
 Vincent R. & Naomi Ross  
 Gary L. Roughton  
 Bennett L. Rouse  
 Robert J. Rouse  
 Liam A. & Quyen T. Royce  
 Joel Warren Rudisill  
 Vani C. Rupenaguntla  
 Justin A. Sanders  
 Amber J. Sauer  
 Debra M. Savage  
 Ruth A. Schallert  
 Marshall P. Schell & Ellen Turco  
 Blanche Schwartz  
 Martha Scottford  
 Joanna Scott  
 Robin G. Scott & Marion L. Youngblood  
 SEB Entomological Society of America  
 Ronald L. & Rae R. Seeley  
 Stuart W. Seiler  
 Maitreya Sengupta  
 Keitaro Seto  
 Joe Sevits & Ashley M. Wagner  
 Arlene Shapero  
 John W. Shaw & Jean A. Rick  
 Brian Shawcroft  
 Caroline Shepard  
 Peter L. Sheridan  
 James M. Shields  
 Kelley R. Simpson  
 Site Structural Engineering Services PC  
 Rolly L. Slatt  
 June M. Small  
 Howard W. Smith  
 Jason D. Smith  
 Luther A. & Marjolein Smith Solutions-IES, Inc.  
 H. Eric Sparks & Keith Worley  
 Charles A. & Martha C. Sparrow  
 Andrew K. Spicer  
 Bharath Bhushan Sreeravindra  
 Anadi Srivastava  
 Scott C. & Kathy C. Steinsberger  
 Bryan D. Stensvad  
 James A. & Frances D. Stewart  
 Randy & Melodee M. Stokes  
 Nicholas A. Stoute  
 Daniel K. & Katherine R. Struve  
 Jason R. Suite  
 David N. & Karen Summers  
 Dahlia Suriaatmaja  
 Javan C. Sutton  
 Scott R. Sydnor  
 Fariha Tariq

Kenneth M. & Sandra S. Tate  
 Rahul Tayal  
 Dwain Teague  
 Joe E. Teague Jr. & Laura C. Teague  
 Marian H. Tessler  
 Jonathan M. & Emily Thomas  
 Russell D. & Sheri A. Thomas  
 Andrew S. Thompson  
 Brendan R. Thompson  
 Randall & Sue Thompson  
 Steven W. Thompson  
 John E. Titus  
 Chris Tonelli  
 Brian & Denise Toranzo-Zacker  
 Bryn H. & Heather A. Tracy  
 Dennis Tracz  
 Tom Trykowski  
 William P. & Jane W. Tucker  
 Antonio A. & Carmen B. Ubiera  
 Darlene B. Urquhart  
 Robert H. & Shirley H. Usry  
 Theodore & Pamela B. Van Dyk  
 Nicole M. Vanacore  
 John G. Vanhoy IV  
 James A. & Betsy A. Vardy  
 Caroline Vernia  
 Thomas M. Vess  
 Alan M. & Phyllis L. Victor  
 Gregory M. Volk  
 Vijay Vontimitta  
 Lisa L. Vu  
 Alfred M. Waddell III  
 Robert & Kimberly Wagner  
 Matthew C. Walker  
 Bobby J. Ward & Roy C. Dicks  
 Kimrel B. & Alice S. Warren  
 Kristen B. Wassil  
 William G. Waters Jr.  
 Louis S. Watson Jr. & Kelly C. Watson  
 Millard W. & Kathy H. Watson  
 Sara L. Watson Brown  
 Fredd D. Webb Jr. & Julie P. Webb  
 David W. Webber  
 Kendrick C. Weeks  
 Edward A. Weiner  
 Ryan Welch & Penny Koommoo-Welch  
 Annah S. Wells  
 Frank T. Werner  
 Joseph W. Wescott II  
 Richard Wessel & Chris Cammarene-Wessel  
 Stephen A. & Juliana D. West  
 Elisabeth A. Wheeler  
 Keith V. & Camille M. White  
 Mark & Carmen White  
 R. Reid Whiteside  
 R. Reid & Dorothy T. Whiteside  
 Matthew C. Whitley  
 Lisa Marie Whitman  
 Jonathan R. Wilkerson  
 Cynthia S. Williams  
 Edward H. Williams  
 Mary C. Williams

James Wilson & Barbara H. Mulkey  
 William T. Winslow  
 Robert J. Witchger  
 Maria C. Wong  
 Jesse W. Wood  
 Don E. & Barbara R. Wright  
 Christopher R. & Margaret L. Yahnker  
 Charles Randall Yates  
 Emily Michelle Young  
 Carolyn B. Younger  
 Sidong M. Zhang & Qin Lu  
 Dan Zhu & Jie Lin  
 Carl F. Zorowski & Louise P. Lockwood-Zorowski



## 2013–2014 MEMORIAL AND HONORARY GIFTS

The Friends of the Library received gifts in honor or memory of the following individuals during the 2012–2013 fiscal year. For information about how to pay tribute to a loved one through a gift in their name, please call Leia Droll at (919) 513-7033.

### GIFTS IN MEMORY OF

Irving S. Goldstein  
Doris Hakey  
Donald S. Keener  
Cyrus B. King  
Elizabeth McMahan  
Shamrao Nandapurkar  
James Troyer

### GIFTS IN HONOR OF

Josh Boyer  
Kathy Brown  
Eleanore & Burt  
Greenberg  
Gloria Houser  
Cyrus B. King  
Richard McLane  
Dr. Elizabeth McMahan  
Dr. Carl D. Meyer  
Carl Pireneo, Jr.  
Madison Roberts  
Joyce Hill Vaden

## BRICKS

The following individuals honored both their loved ones and the NCSU Libraries by naming an engraved brick, installed in the entryway to the D. H. Hill Library overlooking NC State's iconic brickyard. To order a brick, contact the Friends of the Library office at (919) 515-2841 or visit [www.lib.ncsu.edu/giving/buyabrick](http://www.lib.ncsu.edu/giving/buyabrick).

### BRICKS (RED)

John G. Blankenship  
Mariah J. Boulware  
Will Butler  
Allison Cardella  
Linda Coy-Elmore  
Evangelos Denaxas  
Melissa Eudy  
Elizabeth Fitzpatrick  
Anne Marie Gambella  
Reza Ghiladi  
Laura Graham  
Joseph E. Johnson

Rohan Kapoor  
Robert L. Pascucci  
Brian L. Peeler  
Jason Perry  
Jennifer Peavey  
Naveen Pitchandi  
Celeste L. Sciabarasi  
Sarah E. Teague

---

## IN MEMORY: LEONARD AND ELEANOR AURAND

Leonard and Eleanor Aurand, Friends of the Library Life Members, passed away this year at Springmoor Life Care Retirement Community, Raleigh. The Aurands were longtime supporters of the Libraries, and of NC State.

Len graduated from Pennsylvania State University in 1941, and served in the Navy in the South Pacific during World War II. After the war he earned graduate degrees from the University of New Hampshire and Pennsylvania State University. Dr. Aurand was a founding team member of the Department of Food Science at NC State where he taught Food Chemistry and Human Nutrition. He retired in January 1988 as Professor Emeritus in Food Science. He was also

active in numerous service organizations including Gardeners of Wake County, Optimist Club of Raleigh, and Drug Action of Wake County.

Eleanor was formerly the Food Service Director at Governor Morehead School for the Blind, where she became an ardent supporter for blind causes. She was a member of N. C. State University Woman's Club, Raleigh Home Makers Club, Raleigh Oratorical Society, and Virginia-Carolina Morgan Horse Club, where she was awarded the 1st annual Barbara Cole Service Award.

Len and Eleanor are survived by their children Rebecca Newton (Wallace), Durham, NC; Dr. Thomas J. Aurand (Kay), St. Paul, MN; Sarah J Anderson (Ken), Mechanicsville, VA; six grand children and ten great grandchildren.



## **STAY IN TOUCH WITH US.**

Every effort has been made to accurately list the names of all donors to the Friends of the Library during the 2013–2014 fiscal year, which ran from July 1, 2013, through June 30, 2014. If there are any errors or omissions, please call or email the Friends of the Library office:

**NCSU Friends of the Library**  
Campus Box 7111  
Raleigh, NC 27695  
[friends\\_of\\_the\\_library@ncsu.edu](mailto:friends_of_the_library@ncsu.edu)  
919-515-2841





North Carolina State University  
NCSU Libraries  
Box 7111  
Raleigh, NC 27695-7111

NONPROFIT ORG.  
U.S. POSTAGE  
**PAID**  
RALEIGH, NC  
PERMIT NO. 2353

# Your Support Makes the Difference.

[http://www.lib.ncsu.edu/  
giving/ways-to-give](http://www.lib.ncsu.edu/giving/ways-to-give)

