“THE NEXT STEP FOR US...”

NANCY KUIVILA AND ROBERT MADDIN HONOR A LIFELONG LOVE OF LIBRARIES
Focus seeks to promote the services, activities, needs, and interests of the NCSU Libraries to the university, the Friends of the Library, and beyond.

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On the Cover: Nancy Kuivila and Robert Maddin in a music room at the Hunt Library

This publication was printed at a cost of $1.39 per piece with funding by the Friends of the Library of North Carolina State University.

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Spring Library Events Recap

The spring semester was filled with programs featuring alumni, faculty, local history, and high-profile guests.

**Spotlight on Alumni**

We were fortunate to have a variety of NC State alumni return to the Libraries to share stories of their careers and the lessons they’ve learned. Renowned graphic designer Alexander Isley, award-winning photographer Jimmy Williams, Google Glass Policy Senior Counsel Wilson White, A/V Geeks Founder Skip Elsheimer, Grammy Awards winner 9th Wonder, and chef and PBS star Vivian Howard all shared their expertise and perspectives with us in programs this spring. In addition, Sara Bell, Ross Grady, Caitlin Cary, Paul Siler, Brian Shaw, and BJ Barham, in a panel moderated by alumnus Grayson Haver Currin, discussed the importance of NC State and Raleigh to the indie rock scene from the 1980s to the present.

Clockwise from top: Alexander Isley discusses the versatility of a slab of meat as a graphical element, BJ Barham performs a song for the panel on ‘80s rock in Raleigh, a photograph by Jimmy Williams from his “Music Makers” series, 9th Wonder on stage with filmmaker Kenneth Price at the Hunt Library, Vivian Howard with moderator Nancy Creamer, Wilson White fields a question from a student.
Spotlight on Faculty

January saw the debut of the extremely well-received and well-attended Coffee & Viz series. Held in the Teaching and Visualization Lab at the Hunt Library, Coffee & Viz is a forum in which NC State researchers share their visualization work and discuss topics of interest.

Dr. Helena Mitasova of Marine, Earth and Atmospheric Sciences discussed her work with GRASS GIS to visualize large data sets. Dr. Chris Healey of Computer Science discussed perception and color in visualizations, using election data to illustrate his points. Dr. Gary Lackmann, also of Marine, Earth and Atmospheric Sciences, discussed Hurricane Katrina, using visualizations that clarified the structure and workings of hurricanes. And Professor David Hill of the School of Architecture rounded out the semester by presenting his work on creating 3D architecture models for historic sites.

As part of the NCSU Libraries’ Fabulous Faculty series, Dr. John Sheppard, professor of food, bioprocessing, and nutrition sciences, explained the complex art of lagering, a process he employs at NC State’s award-winning brewery.

The Read Smart series, which features NC State faculty discussing popular books at the Cameron Village Regional Library, continued into its fifth year this spring with a great line-up of books and faculty: Dr. Marc Dudley on Ron Rash’s Serena; Steven Walker of NC State’s Center for Additive Manufacturing and Logistics on Beth Macy’s Factory Man; Dr. Juliana N’fah Abbenyi on Mr. Owita’s Guide to Gardening, and Dr. Rob Dunn discussing his book The Man Who Touched His Own Heart.

Make sure to join us in the fall for more great reads.

Other faculty presented their scholarship as well: Dr. W. Jason Miller gave an electric talk about the influence of Langston Hughes’ poetry on Dr. Martin Luther King, Jr.; Dr. Sheila Smith McKoy joined filmmaker Cash Michaels and other special guests for a documentary film screening and discussion of WLLE Remembered, about the late, great Raleigh radio station WLLE, 570 am; Dr. Rodney Waschka spoke about electronic music with NC State student Lara Wehbie and visiting scholar Ronald Kuivila; and Professor Marc Russo wowed attendees with his interactive art installation of the Four Horsemen of the Apocalypse in the Game Lab in the Hunt Library. In memory of Dr. Walter Jackson, who co-led the Red, White & Black walking tour since its inception in 2011, Dr. Craig Brookins, Dr. Tracey Ray, and Dr. Kat Charron participated in the walk by presenting Dr. Jackson’s research about the history of African Americans at NC State. Finally, Dr. Russell Flinchum interviewed Herman Miller scholar John Berry in the third installment of our Furniture Design series. Thanks to Dargan and Blount Williams, Alfred Williams & Company, Herman Miller, and the NCSU Friends of the Library for support of this program.
Spotlight on Student Work
In February, the NCSU Libraries presented the fifth annual Student Short Film Showcase, which screened 33 short films, animations and videos produced by students in classes taught by Dr. Sarah Stein, Dr. Jim Alchediak, and Professor Marc Russo. As they do each year at this showcase, the students impressed attendees with their creativity and stylistic prowess. In another program, students from Greg Carter’s class showed their animated work on the theme of “An End of An Era” on the high-resolution video walls in the Hunt Library. And, in April, the teams who participated in the first NCSU Libraries’ Christie® Code+Art Student Visualization contest debuted their projects. Anthony Smith, a senior in Computer Science with a concentration in Game Development, won first prize for his Fractal Forest visualization. The team from WKNC 88.1 FM, NC State’s student-run radio station, won second place with their music visualizer of the WKNC internet radio stream. This team consists of Cameren Dolecheck, Harrison Wideman, Neal Grantham, Dylan Stein, and Colin Keesee. (See p. 22 for an in-depth story on the Code + Art contest).

Author Events
Barney Frank, the longtime (1981-2013) Democratic Representative from Massachusetts, joined The State of Things’ Frank Stasio onstage to engage and entertain the audience with stories about his career in politics (thanks to Quail Ridge Books for co-sponsoring Mr. Frank’s visit). And in March, Liz Carlisle of UC Berkeley’s Center for Diversified Farming Systems spoke about her new book Lentil Underground in a program co-presented by NC State’s Center for Environmental Farming Systems.
The NCSU Libraries Furniture Design Series, introduced in 2014 to increase the university community’s awareness and appreciation of the unique assemblage of furniture in the Hunt Library, continued on April 14 with a visit from John Berry. Berry, author of the book, *Herman Miller: The Purpose of Design*, spoke about the Herman Miller company’s contribution to America’s design aesthetic. Dr. Russell Flinchum, associate professor of graphic and industrial design at NC State’s College of Design, says, “John Berry was gracious enough to speak to my History of Industrial Design class before his lectures at the Hunt Library, and his own career mirrors the growing complexity we’ve encountered as we have moved from considering individual masterworks in furniture to unified interiors and environments.”

John Berry’s visit was made possible by Dargan and Blount Williams, Alfred Williams & Company, Herman Miller, Inc., and the NCSU Friends of the Library. Dargan and Blount Williams have been generous supporters of the NCSU Libraries for years, with Dargan serving on the board of the Friends of the Library, and both Dargan and Blount offering their expertise in the furniture industry to help create vibrant and engaging environments at both the D. H. Hill Library and the Hunt Library.

Blount Williams is the Chairman and CEO of Alfred Williams & Company and represents the fifth generation of family ownership of that company. In preparing to select furniture for the Hunt Library, Director Susan K. Nutter remembers, “Blount invited our executive team to visit the Alfred Williams office in downtown Raleigh. We even got a tour of his personal office. While we were there, members of his team had us try out a bright red chair, though it really didn’t look like a chair at all, but a large toy top. It was aptly named the Spun Chair. Once we realized we could sit in it without toppling over, we had a blast with it. So much so that a handful of them now reside in our Game Lab. What it showed us was that Blount really understood what we were trying to do here at the Hunt Library, that we wanted to ignite the spirit of discovery and whimsy, and that a piece like that would go a long way toward sending that message to students and faculty. It’s been a pleasure to work with him and Dargan, and we have relied on their leadership and friendship a great deal over the years.”

Left: John Berry and Russell Flinchum discuss the history of Herman Miller, Inc. at the Furniture Design Series; Below left: Blount Williams, President of Alfred Williams Company, introduces John Berry; below right: Students enjoy the Spun chair in the Game Center at the D. H. Hill Library; Bottom: Several pieces from the Libraries’ collection were on hand for attendees to see and sit in.
Every year the Libraries employs dozens of students who work in every department and branch library. These student assistants are integral to providing and supporting library services and spaces, including our technology-rich research and learning environments. You may have seen our students giving tours of the Hunt Library, or perhaps you’ve noticed them providing outstanding customer service at our Ask Us centers, re-shelving books, or helping patrons use the tools and technology in spaces like the Makerspace, Music Rooms, Media Production Studios, and the D. H. Hill Digital Media Lab. These students bring a rich set of skills and sensibilities to the Libraries, and, year after year, they leave with an even richer set of experiences.

At the recent Student Assistant Program Committee awards ceremony held in the Hunt Library’s Duke Energy Hall, we recognized the outstanding contributions that these students have made to the Libraries over the past year. This year’s awards went to Erik Vosburgh, who was named Student Assistant of the Year; Jadavia Hunt, who won the Above and Beyond Award for her work with Personnel Services and Libraries Administration; and Kevin D. Marko, who won the Above and Beyond Award for his work with Access & Delivery Services and Tripsaver.

University Library Technician Kyle Langdon was on hand to congratulate student winners at the ceremony and had good reason to be especially proud. Langdon, a student assistant at D. H. Hill from ’09 to ’13, now works full time with the Libraries, supervising students who support the Hunt Library’s music and media production spaces. As a college freshman, Langdon chose to work at the Libraries, in part, because of “the sheer variety of responsibilities available to student employees.” Because of this, the students the program attracts today tend to be just as varied. “One of the things I appreciate most about our student assistants is just how diverse their skill sets, backgrounds, and personalities are,” he observes.

Of course, not all student assistants go on to work for the Libraries after graduation like Langdon did. Kevin Vosburgh and Library Technician Kyle Langdon.
Marko—a senior from Charlotte graduating in Computer Science, and winner of this year’s Above and Beyond Library Service Award—leveraged similar skills and experiences to secure a full-time position at IBM.

Erik Vosburgh of Raleigh, our Student Assistant of the Year winner and rising Senior in Environmental Engineering, is spending the summer biking across the U.S. and making a film about the experience that will focus on transportation in America. Vosburgh says that it was his desire to learn more about video, audio, and media technologies that led him to work with the Libraries, but learning to teach others about the technologies is the skill he really took away from the experience. Thinking about his summer filmmaking project, Vosburgh is excited: “I honestly do not think I would be in a position to do any of this without the kind of background that the NCSU Libraries has given me. When I return, I have a feeling that the Hunt video rooms will have a new resident during the week!”

For Jadavia Hunt, our Above and Beyond Award winner from Henderson, NC, working with Libraries Administration and Personnel Services gave her an inside look and a real appreciation for all that goes into running a major research library. “From the outside, all you see are bookshelves and the Ask Us desk, but I had no idea of the number of critical staff members that work day in and day out to make the Libraries the great place we know it to be.” As a rising Junior in Polymer and Color Chemistry, Hunt says she most likely will not end up in a career in libraries, but that the skills of professionalism and office etiquette she learned here will be valuable wherever she goes. “The feeling of value I [get] every time I walk into the office has probably been the most rewarding thing for me.”

Langdon views the Libraries as “an environment where new ideas are highly valued” and one that offers “the opportunity to learn new skills, while expanding existing skills.” Over the years, our student workers have come to find that the Libraries is a place where they can look forward to solving new problems every day, whether in prior areas of interest or new ones. Congratulations to our Student Assistant Award winners, and all of our student workers, who contribute so much to the Libraries.
LIBRARIES MAKES HUMAN RIGHTS PAPERS AVAILABLE

The NCSU Libraries is honored to make available the papers of two prominent local activists for human rights and civil liberties who recently passed away, Dr. Slater Edmund Newman, professor emeritus of psychology at NC State, and Cyrus B. King, who, during his lifetime, worked at the NCSU Libraries and the State Archives of North Carolina.

Dr. Slater Newman passed away on May 13, 2015. He joined the faculty at NC State in 1957 and continued to remain active within the college long after his retirement in 2003. In 1997 he was awarded the Alexander Quarles Holladay Medal of Excellence, the highest award made by the University in recognition of faculty achievement. In his nomination, Newman was praised for his exemplary service and leadership and his “commitment to the protection of human rights within the context of the day-to-day business of the University.” In addition to working towards civil liberties and human rights in North Carolina, he advocated for these causes both nationally and internationally. Newman was widely respected for the way in which he fought for the defense of civil liberties and human rights for all, regardless of race, gender, national origin, or sexual orientation.

The Slater E. Newman Papers, housed in the Special Collections Research Center at the NCSU Libraries, is the professional and academic record of an exceptionally influential psychologist who served as a leader in exploring concerns for human rights. His papers include correspondence, research notes, conference proceedings, meeting minutes, papers, reports, presentations, and other materials relating to his work. He was a founding member of the North Carolina Civil Liberties Union and a board member of the American Civil Liberties Union (ACLU).

Newman was deeply invested in the Human Rights Coalition of North Carolina, working to advance the U.N. Convention for the Elimination of All Forms of Discrimination Against Women (CEDAW), and even penned the lyrics to a song, “Let’s Ratify CEDAW” in 1999, with revisions in 2013. His commitment to CEDAW, an international treaty described as a bill of rights for women, is a telling example of how Newman continued to work on causes throughout his life and found ways to convey the importance of these causes to everyone he met. CEDAW was adopted by the United Nations General Assembly in 1979, signed by the United States in 1980, but never ratified by the United States.

As his papers were being processed in Special Collections, he enjoyed getting to know staff members and learning about their lives and interests. One staff member, Linda Sellars, Head of Technical Services for Special Collections, recalled, “When I met him, the first thing he told me about himself was that he was working to get the United States to ratify CEDAW. Even while we were working to organize and describe his papers, he was gently educating us about the need for public support to convince our United States senators to vote for ratification of CEDAW. To me, this exemplified his passion for human rights and his very personal style of activism.”

Cyrus B. King (1922-2014) worked in the NCSU Libraries for over twenty years and was active in a wide variety of efforts to promote civil rights and social justice. He began at NC State as an acquisitions librarian in 1963 and retired in 1984 as Assistant Director for Collection Management and Development. Those who have been active in movements for peace, civil liberties, civil rights, and socioeconomic justice at any time over the past several decades can attest to Cy’s incredible energy, good nature, and persistence. Along with his late wife Carolyn, Cy was an undaunted force for good who made the world a better place. King, who was also friends with Dr. Newman and worked with him on various social justice causes, was involved with a number of organizations in North Carolina, including the NC Stop Torture Movement; People of Faith Against the Death Penalty; the Farm Labor Organizing Committee, the Human Rights Coalition of NC, and the Wake Chapter of the ACLU.

The Cyrus B. King Papers contains correspondence, political campaign materials, newsletters, flyers, reports, resolutions, and related materials on political issues. Many of these records were generated through King’s work with his church (the Community United Church
IN MEMORY: EDGAR JOHN BOONE


Originally from Louisiana, Ed served in the U. S. Air Force in the Korean War, and went on to receive his undergraduate degree from the College of Agriculture at Louisiana State University and his graduate and doctoral degrees in adult education from the University of Wisconsin. Ed relocated his family to Raleigh in 1963, becoming the Associate Director of the Cooperative Extension Service. He also founded and became the head of the Department of Adult and Community College Education at NC State. During this time, Boone developed a programming process for planning, designing, implementing, and evaluating adult education programs. Referred to as “Booneology” by his students, Ed’s courses helped to develop a generation of university and community college deans, presidents, and vice presidents.

After his retirement, Boone established a pilot community college leadership program called ACCLAIM at NC State, where he continued to work with students in Doctoral and Masters’ Adult Education programs. Ed is remembered as a generous man and a dedicated professor who was beloved by his students and faculty. He is survived by his wife, Ethel B. Boone; sons, John B. Boone and his wife, Sonya, and David W. Boone and his wife, Susan; grandchildren, Matthew D. Boone, Allison E. Boone, and Sabrina M. Boone; his brother, Hayward D. Boone and his wife, Dorothea; sister-in-law Jayne Garber, and by many loving nieces and nephews.

The correspondence in The Cyrus B. King Papers is of special interest and includes letters to and from a variety of local, state, and national political figures, including the 64th Governor of North Carolina, Luther H. Hodges; North Carolina House of Representatives (1981-2002) and Senate (2006-2009) member Dan Blue; Harvey Gantt, former mayor of Charlotte (1983-1987) and senatorial candidate; former United States Senator Paul Simon; former Attorney General Janet Reno; and many more prominent individuals. The Cyrus B. King Papers also includes documents that relate to his time at the NCSU Libraries.
For three decades, Nancy Kuivila and Robert Maddin have been loyal supporters of the NCSU Libraries, and the couple recently made the decision to leave an extraordinary legacy to the Libraries through their estate. The gift, which will create two endowments to support staff and technology, will have a tremendous impact on the Libraries’ ability to serve future generations of students and faculty at NC State. We sat down with Nancy and Rob to learn more about them, their history with the NCSU Libraries, and what inspired them to honor the Libraries with this gift.

FINDING A NEW LIBRARY HOME

Both Nancy Kuivila and Rob Maddin began their careers as librarians. It was a natural for Nancy since her father was a music history professor and she, as she says, “grew up in the children’s book room of the University of New Hampshire.” And, until his recent retirement, almost every lunch break for Rob included a few minutes with a favorite book.

Both of them also leveraged what they had learned early in library school—expertise in emerging computer technologies, attention to customer service, and the ability to easily navigate and absorb large amounts of information across many disciplines—into successful careers in the high-tech business world, Nancy in program and project management and Rob in technical writing.

When the couple followed those careers to Raleigh in the 1980s, leaving behind their favorite nearby
university library was especially difficult, and they were determined to find a worthy successor. “We visited all three local university libraries,” explains Nancy. “We shopped around for our new library home; we liked the NC State campus and the library—and quickly started noticing how the library was transforming its staff, growing its collection, and making great improvements in its physical facilities.” What they were witnessing was what has often been called one of the most dramatic transformations in an academic library, from a system that consistently ranked near the bottom among research libraries in the late 1980s into one that regularly wins national and international honors for excellence.

They quickly decided to be a part of the Libraries’ story, not only becoming frequent visitors for both work and pleasure, but also joining the Friends of the Library (FOL), becoming Life Members, establishing an endowment, serving on the FOL Board, naming a space in the Hunt Library, and most recently, announcing a significant bequest in their wills that will help ensure that the NCSU Libraries has talented staff and inspirational technologies well into the future.

“When we’re gone we want to leave something that would make a real difference to the community and the university. . . . it seemed to be the logical thing to do for an institution that has meant so much to us over the years.”
Rob Maddin

That love of libraries next made itself apparent on the fourth floor of the Hunt Library, where one of the Music Rooms now bears their names. “We wanted to do something for the Hunt Library—there’s a deep history of music in our family; Rob was a music history major; my father was a music professor; my brother Ron Kuivila is a sound artist, as technology has changed—it’s inspirational to see these connections between something that we loved in its old form but also love in its new form.”

That love of the age-old library role as the university’s repository of knowledge is reflected in the couple’s first endowment, the Nancy J. Kuivila and W. Robert Maddin Endowment, designed to “support the NCSU Libraries in all efforts to maintain, preserve, and provide access for the circulating collection.” “Rob would always go find these broken, mutilated books when he went to D. H. Hill and take them down to the Circulation Desk and come back in a couple of weeks and they would be ‘healed.’ So we decided we wanted to do something about materials conservation, about protecting the Libraries’ collection of books.”

SUPPORTING TRADITION—AND FUNDAMENTAL CHANGE

While, as Rob insists, “I was a traditional library user” when he first became interested in the NCSU Libraries, the Hunt Library galvanized a new appreciation of the library as technology catalyst for new ways to create and share knowledge. At his job creating technical documentation for the telecommunications giant Nortel Networks, he saw industry adopting far-reaching “changes in the way you look at conveying information, from 8 ½ by 11-inch pages on paper to different types of media . . . critically important in this century.”

“Working in technology industries,” says Nancy, “I saw in the Hunt Library vision a reflection of how libraries have changed
composer, and the University Professor of Music at Wesleyan,” explains Nancy. Equipped for audio recording, creating and mixing music, audio and video transfer, and digital media editing, with full 88-key MIDI keyboard, microphones, and digital media workstations, the room that they named and supported both reflects Nancy and Rob’s love of the liberal arts and ensures that generations of NC State students will have easy access to newer forms of media that are transforming how we create and communicate.

“LOOK WHAT WE GOT DONE!”

 Asked what was the biggest challenge she noticed as she served on the FOL Board during the years of planning that led to opening the Hunt Library, Nancy quickly points out that the new library waited for decades for its funding. Even for key steps forward that will benefit the entire state, “things sometimes seem to move in geological time,” she concludes. But then she and Rob—almost simultaneously—point to Hunt’s Rain Garden Reading Room and the huge crowds there on a Friday afternoon and declare, “But look what we got done!”

“We’ve brought friends visiting Raleigh into Hunt many times. They’d start off hesitantly, saying ‘you’re taking us to the library?’ and then politely go along for the ride. But as soon as we walked into the building, their jaws would drop and their eyes would start growing. They’d all find something that was important for them, regardless of their interests.” Rob adds that after one visit, “a friend—all he wanted for his 65th birthday was a Friends of the Library membership.”

“Information is the key to everything—if you want to create economic, intellectual, and societal prosperity, the library supports that, especially the knowledge and collaboration that we need to be competitive.”

Nancy Kuivila

A BEQUEST TO ENSURE FUTURE INSPIRATION

In 2014 Nancy and Rob restructured their will to honor the NCSU Libraries with a bequest commitment that will create two endowments, each helping the Libraries to continue serving as a tremendous asset to NC State for future generations. One endowment will support innovation and ensure that, whatever directions audio and visual technologies take in the future, our students and faculty will be among the first to explore those new paths. The second will support staff by providing the financial means to keep healthy the expertise and enthusiasm that have so impressed them in their interactions with the NCSU Libraries. “My experience as a manager has been that it is all about people,” explains Nancy. “Your quality is always first of all dependent on your people. Even when funds are really tight, we wanted the Libraries to have the resources to do things to keep developing and motivating its great staff.”

Rob concludes, “We wanted to leave a bequest to the Libraries so that we could see an actual impact. When we’re gone we want to leave something that would make a real difference to the community and the university. The library is something that excites us—it seemed to be the logical thing to do for an institution that has meant so much to us over the years.”
"I really lucked out"
Dick Bernhard and Family

Dr. Richard Harold Bernhard, Professor Emeritus of Industrial and Systems Engineering, finds great joy in giving back. Over many decades, Dick and his wife, Cindy, have given their time and philanthropy to many units across NC State including the College of Engineering, Arts NC State, and the Libraries. Dick’s partnership with the Libraries spans more than three decades, including membership and chairmanship of the University Library Committee (ULC) and the Friends of the Library Board of Directors. The Bernhards are Friends of the Library Life members, and Dick received the NCSU Libraries Faculty Award in 2004.

Giving back not only brings Bernhard joy; it is also something that comes naturally, and that was ingrained in him at an early age. He credits his father, Harold Christian Bernhard (1904-1986), a New York architect, and his mother, Clara Cladel Bernhard (1905-1995), a high school English teacher, with his propensity toward service and philanthropy. “They were both extraordinarily generous with their time, talent and money,” he says “and were well-known volunteer community leaders in Westchester County, New York, where we lived.” For years, Bernhard’s father was volunteer president of Yonkers General Hospital and did free architectural work for churches and other community projects. His mother was volunteer Chairman of the Board at the Andrus Children’s Home, and a well-known leader in many community women’s groups and Episcopal Church activities. He cites his parents’ examples as “an ultra-big driver of why my brother, Bob, in Corvallis, Oregon, and I try to be like them. A further big driver is all the opportunities they gave us both to be, in fact, like them.”

Given Bernhard’s gratitude toward his parents, it is unsurprising that Dick and Cindy’s own family has been a big driver in their philanthropy to the NCSU Libraries. Many years ago, as he was stepping off of the Friends of the Library Board, Dick donated $1,000 to Susan K. Nutter for a party for her and her staff. Instead of a party, Susan encouraged him to begin an incubator endowment, which he did in honor of his daughter Barbara Windom (NC State ’92, ’95). Over the years, the Bernhards funded this endowment, which supports the Libraries’ general collection, through the Incubator Endowment program and it was brought to full status last year. Barbara, now Director of the University Tutorial Center at NC State, encouraged her parents to fund two additional endowments for each of their sons. The Hans Petter Bernhard Endowment to support Veterinary Medicine collections, and the Harold Christian Bernhard II Endowment to support Music collections, were both brought to full status last year.

When the Bernhard family gathered at the Hunt Library (where they have also have named two group study rooms) for the endowment book plating ceremonies last year, Dick and Cindy spoke with pride about the opportunity to honor their children through these endowments. Hans, a graduate of NC State’s College of Physical and Mathematical Sciences (now Sciences) (’01) and College of Veterinary Medicine (’05), showed a love for animals and their care at an early age, and was encouraged by his parents to attend NC State’s highly ranked veterinary medicine program. Now a licensed veterinarian, Hans practices in Holly Springs. Their son Christian is Professor of Music Education at The State University of New York at Fredonia, and previously taught band and orchestra in the Raleigh public schools. He holds degrees from The Peabody Conservatory of Music, UNC Chapel Hill, and UNC Greensboro. Christian’s love of music was also fostered at an early age, when he accompanied his parents to performances through the Friends of the College concert series at NC State, held from 1959-1994 in Reynolds Coliseum.

Through their endowments, the Bernhards honor their daughter and their sons’ passions and success in their respective fields, and provide funding for the Libraries’ collections in diverse areas—a great testament to their long and steadfast history of giving back to the Libraries and to the University. The endowments also represent a tremendous sense of both family and giving back that drives their philanthropy. “For better or worse,” says Dick, “a big part of what any of us is like comes from the nurturing we got in growing up, and, of course, in the career and marriage opportunities we had and pursued. I really lucked out in those regards too.”

For more information on the Friends of the Library Incubator Endowment program and establishing a collections endowment, please contact Leia Droll, Executive Director of Development, at ledroll@ncsu.edu or 919-513-7033.
LEADING THE PACK

EXHIBIT EXPLORED HOW STUDENT LEADERS HAVE SHAPED THE NC STATE LEGACY

The culture of leadership at NC State has nurtured the state’s youngest and most elected governor, produced more than 60 generals and flag officers for the U.S. military, and set the direction for the green revolution. To salute that culture, the NCSU Libraries opened a major exhibit last year that told the stories of how students are transformed into leaders here at the university. The exhibit was on display through the spring of 2015.

The exhibit, Leading the Pack: Student Leaders at NC State explored a rich tradition that encourages students to act on what they are learning, an alchemy of participation and involvement that has produced an unusually large number of citizens who have seized the opportunities of their times.

Exposed while on campus to an ethic that asks them to do nothing less than solve the biggest global challenges, each generation has gone on to shape the future in fields as diverse as engineering, public policy, agriculture, defense, design, humanitarian work, medicine, journalism, and business. Leading the Pack examined the seeds of that tradition at NC State and followed the accomplishments of those who immersed themselves in student government, student media, ROTC, Greek life, and service projects—or just followed their own inspirations—and learned the skills that shaped their later successes.
Leading the Pack drew from the rich trove of materials collected on the NCSU Libraries’ Student Leadership Initiative website (d.lib.ncsu.edu/student-leaders). This ongoing, multi-year program has chronicled the experiences and impact of former student leaders by collecting hundreds of video oral histories, biographical essays, and digitized images.

In conjunction with opening the exhibit during the 2014 Homecoming week, the NCSU Libraries hosted a panel discussion of current and past student leaders to reflect on how their time at NC State prepared them for leadership roles both on and off campus. Moderated by Tony Caravano, Student Body President from 2003 to 2005, the panel included Superior Court Judge Ron Spivey, Student Body President, 1981-1982; Kelly Hook, Student Body President, 2010-2011; Kate Sterling, the first female Student Body President, 1970-1971; Smedes York, former NC State basketball player and former mayor of Raleigh; Harold Pettigrew, Student Body President, 2000-2001; Molly Basdeo, current Senior Class President.

The Leading the Pack exhibit was on display in the D. H. Hill Library’s Exhibit Gallery. Look for new exhibits coming this summer. Visit www.lib.ncsu.edu/exhibits for more information.
ENGAGED IN RESEARCH
LIBRARIES SUPPORT THE RESEARCH LIFE CYCLE
When Dr. Bartley Danielson, associate professor of Finance and Real Estate in the Poole College of Management, began studying the changing relationship between where families choose to live and the location of their children’s school, he went to Data Services Librarian Jeff Essic. Danielson acquired student data from several private and charter schools, including addresses, dates of enrollment, and dates of graduation. Essic helped format the data and compute various special movement parameters in an attempt to quantify the effect school location had on where students lived. The resulting maps and animations supported Danielson’s hypothesis, depicting a shift of homes toward central school points, even when the school in question didn’t require it.

When College of Design faculty member Brendan Harmon wanted to give students in his GIS for Designers course a real-world problem to solve—designing a new trail system for the nearby Lake Raleigh Woods—he brought them to the Hunt Library’s Teaching and Visualization Lab. Each of the three teams in the class used the room’s technology in unique ways to share their vision for a new Lake Raleigh Woods trail system. One team used the blended projection, wraparound display to progress slide-by-slide along the wall. Another team used the whole wall to visualize their design within the landscape. According to Harmon, “They really used the wraparound screen in a narrative fashion [with] great storytelling.” The third team used the blended 3D projection to explore Centennial Campus and Lake Raleigh in real time. According to Harmon, “The 3D projection is a really fantastic, transformative tool for visualization.”

With the opening of the James B. Hunt Jr. Library, and the development of new high-tech spaces at D. H. Hill modeled after those at Hunt, the NCSU Libraries is now working with researchers in a variety of innovative ways. Our new brand of librarian provides a different kind of expertise by facilitating use of high-tech spaces and partnering with interdisciplinary groups to foster collaboration. From finding, acquiring, and managing data; to surveying literature; to publishing results; to visualizing and promoting those results to new audiences, librarians are now contributing to each step of the research process.

FINDING AND ACQUIRING RESEARCH DATA

Research today relies heavily on large sets of data, and finding, acquiring, storing, and managing this data can be a major hurdle for researchers.
The NCSU Libraries touches my work every single day. Some things are so integrated into my teaching and research that I just rely on them to be there: powerful search capabilities, online access to journals, course reserves that integrate seamlessly into Moodle. I use the collaboration spaces at Hill and Hunt to develop grants with colleagues from across campus; the Hunt Faculty Research Commons is my second office, where I have conference calls, sketch ideas on the white board, or just crash in a comfortable chair to answer e-mail. The library staff supports my work with the Data-Driven Science cluster not just by identifying resources, but also by being resources themselves for cutting-edge thinking in data management and curation. And through the Alt-Textbook grant program, the library is making my undergraduate Introduction to Data Science course more flexible, accessible, and current by helping me develop a customized, free (open source and NC State-licensed) set of class readings.”

— Dr. Alyson Wilson, Statistics

One way researchers access data is through a process called data mining. While data mining is widespread in the social and natural sciences, publishers have traditionally not offered blanket rights to mine historical archives. Recently, Darby Orcutt, assistant head of Collection Management, negotiated a pioneering licensing agreement that enables researchers to data mine the extensive archival collections that the Gale publishing firm holds for texts and other materials important to historians and humanists. This agreement with Gale marks the first such license ever signed between an academic research library and a major commercial publisher of historic archival collections.

Assistant Professor of English Dr. Paul Fyfe will be among the first to use the new license, investigating patterns of content within collections of nineteenth-century British newspapers at scale. “This partnership represents an exciting frontier for scholars interested in exploring new approaches to digital source materials, whether text, metadata, or image,” he explains. “For humanities researchers, digitized historical content helps us to test new methods of inquiry. It also opens doors to collaborating with partners across disciplines, including computer scientists who are intrigued by how to recognize feature sets and higher-order relationships in large semi-structured bodies of data.”

MANAGING RESEARCH DATA

In addition to finding and acquiring data, several major funding agencies now require researchers to submit a Data Management Plan (DMP)—a document outlining what will be done with the data created as part of the research. The National Science Foundation (NSF), for example requires that all researchers’ DMPs detail how they will share and disseminate research results.

The NCSU Libraries assists NC State faculty, staff, post-docs, and students in creating and implementing these DMPs. The consultation includes reviewing and providing advice on documenting data types and standards for data description, options for short-term storage and long-term preservation, sharing and access considerations, policies for re-use and re-distribution, and defining responsibilities for carrying out the data management plan. According to Dr. Thomas Shriver, a professor in Sociology and Anthropology, “The service was great and really helped me craft a strong data management plan for the project!”
Discussions with faculty through the Libraries’ data management review service are also leading to closer collaborations between researchers and librarians. Subject specialists are now being included on grant proposals as personnel who will be responsible for overseeing data management activities for the proposed research projects.

**VISUALIZING RESEARCH DATA**

Sometimes a researcher’s data is best analyzed and presented by visualizing it. The Libraries’ high-tech spaces provide capabilities for high-resolution, immersive, 3D, and interactive displays of research data. Using these visualization spaces, NC State researchers can analyze and display their data in transformative ways.

Professor Helena Mitasova and graduate students in her Multidimensional Geospatial Modeling course used the high-resolution, large-scale projection capabilities of the Hunt Library’s Teaching and Visualization Lab to view their data with the Geographic Resources Analysis Support System or GRASS. The projects ranged from modeling erosion in the Yakima Training Center in Washington State to visualizing the impacts of mountaintop removal coal mining in West Virginia. The lab’s large-scale horizontal projection capabilities (16,384 x 1,200 pixels) allowed the students to see details in their data that were not apparent on their desktop computer monitors, as well as to view and interpret their data together as a class. Graduate student Douglas Shoemaker of the Center for Geospatial Analytics said, “This really shows the capability of the data. There’s so much that we normally can’t see.”

Using both the Hunt Library’s Teaching and Visualization Lab and the D. H. Hill Library’s Visualization Studio, Dr. Julie Mell worked with the NCSU Libraries’ Markus Wust and Shaun Bennett to bring a medieval artifact to life. The Bayeux Tapestry, a one-thousand-year-old medieval embroidered cloth created to commemorate the victory of William the Conqueror at Hastings in 1066, was displayed on the studio walls, allowing students to interact with the images and gain an understanding of its actual scale. Dr. Mell was able to use the tapestry to explore themes of kingship, medieval iconography, and visual depictions of medieval farming, cooking, and shipbuilding techniques.

In another example of innovative combination of technology and history, Professor Susanna Lee assigned graduate students in her History 534: Digital History course a project that involved making extensive use of primary source materials from the Special Collections Research Center. At the beginning of the semester, Special Collections staff shared ideas about key themes in NC State history that warranted further research. Throughout the semester, the students, guided by the library staff, located and interpreted relevant primary sources. Once the items they had selected for use were digitized, the students used Omeka—an open source content management system—to create online digital exhibits, which
they then presented at an open session attended by faculty and library staff in the D. H. Hill Library’s Visualization Studio.

In addition to helping researchers analyze and display their data, the visualization capabilities of the NCSU Libraries can also help them analyze the ever-evolving nature of collaborative research itself. The Center for Comparative Medicine and Translational Research at the College of Veterinary Medicine is a research network comprised of animal health and human medicine doctors, statisticians, and scientists. This center is funded by the National Institutes of Health (NIH), and every five years it is required to analyze the impact of this collaboration. In order to do so, Center Director Jorge Piedrahita, Kris Alpi, director of the William Rand Kenan, Jr. Library of Medicine, and Liana Fryer of the Office of Research, Innovation and Economic Development at NC State worked together to create visualizations (like the one at left) in order to interpret the connections between several hundred publications and their authors.

**MAKING DATA PUBLICLY AVAILABLE**

When the NIH threatened to delay grant funding to researchers if they didn’t make their NIH-funded research publicly available, several NCSU librarians stepped in to help shepherd over 300 NC State publications to public access.

Because NCSU librarians are familiar with biomedical literature, author agreements, and open access, and have relationships with faculty, publishers, and the NIH, they are uniquely positioned to identify non-compliant research articles and to help guide them to compliance. Working with colleagues Hilary Davis and William Cross, Kris Alpi reached out to SPARCS, NC State’s office for Sponsored Programs and Regulatory Compliance, to offer the Libraries’ expertise and assistance.

Alpi, Cross, and Davis searched scientific publication indexes to identify all NIH-funded articles authored by NCSU researchers since the mandate was issued in 2008. They found over 1,000 articles in a wide variety of disciplines from physical sciences to social sciences, approximately 340 of which were not in PubMed Central, NIH’s designated public access repository.

By identifying reasons for non-compliance, and then collaborating with researchers, research administrators, and journal publishers, the librarians were able to help NC State move these 300+ articles from non-compliant status in January 2013 to compliant and publicly accessible in PubMed Central—an impressive 95% compliance rate. Librarians continue to assist NIH-funded authors in keeping the compliance rate high and ensuring public access to NC State-produced, NIH-funded research.

Another way the NCSU Libraries makes data publicly available is through its use of the Hunt Library’s “digital architecture”—ultra high-definition Christie® MicroTiles® displays are integrated into the walls of the building. This creates a unique learning environment for every visitor, as stories about NC
State’s impact unfolds across billboard-sized digital canvases. These video walls are particularly well suited to supporting the public communication of research, a mandate more granting agencies are adding to the funding process.

Currently playing in the iPearl Immersion Theater is a series of videos produced by the intensive 10-week Undergraduate Research in Computational Astrophysics (URCA) summer program. Designed to give students a comprehensive introduction to computational physics, this NSF-funded program includes hands-on training, instruction, and discussion, and culminates with a faculty-mentored research project. The undergraduates often arrive with no programming experience, but by the end of the summer are using one of the largest supercomputers in the world. The resulting models and simulations are right at home on the iPearl Immersion Theater’s 21-foot-wide screen. Currently featured URCA projects include a simulation of x-ray and gas activity in the binary solar system Vela X-1 and an animated model that shows the expansion of a supernova 13,000 light-years away.

COLLABORATIVE DIGITAL SCHOLARSHIP

Often, these technologies that support individual researchers’ projects become a social tool, enabling scholars to work together to achieve previously unimaginable results.

One prime example of this is the Virtual Paul’s Cross Project installed in the Teaching and Visualization Lab at the Hunt Library. This acoustic research project began as an effort by English professor John Wall to create an immersive experience of John Donne’s sermon on Gunpowder Day, November 5, 1622. However, in order to realize this aural simulation, a visual architectural model of Paul’s Churchyard had to be constructed from historical evidence. Architecture professor David Hill supervised the construction of this model and its display in the Hunt Library Teaching and Visualization Lab. Through this interdisciplinary collaboration, what started as an audio research project was transformed into an immersive, multi-modal experience.

Wall and Hill’s unique presentation has led to other ground-breaking digital research exhibits. Last August, the Hunt Library was host to a research presentation so unique that only the word “happening” adequately describes it. Using the entire Hunt Library as a storytelling platform, this dynamic event was conducted by David Silver, Visiting Scholar at the NCSU Libraries, to examine one of the most experimental colleges in American history—Black Mountain. David Silver is associate professor of media studies, environmental studies, and urban agriculture at University of San Francisco and has performed extensive research into the college’s farm and work program. He used the library’s dramatic visualization spaces to chronicle the rise and fall of Black Mountain College, as he led participants through the library. This unconventional and engaging presentation certainly pushed the vanguard of scholarly communication forward.

To tap the social potential these immersive visualization spaces hold, in spring 2015 the Libraries launched the Coffee & Viz seminar series—an effort to build collaborative networks across various areas of visualization expertise and to develop a campus-wide visualization community. Coffee & Viz is a forum in which NC State researchers share their visualization work and discuss visualization topics from a range of disciplines. The series’ informal atmosphere is designed to foster longer conversations and collaborations and has resulted in explorations of potential collaborations between researchers in different departments.

SUPPORTING PIONEERING WORK

While the NCSU Libraries offers access to some of the most advanced academic technology and adept and innovative researcher assistance on campus, these tools are ultimately in place to support the pioneering work that happens at NC State.
Data art “takes us beyond literal data visualization...to help us see the unexpected in data, to gain a sense for its cultural meaning, and make the otherwise abstract into an emotional experience,” writes Peter Hirshberg in his essay “The Art of Data.” Libraries have long been places where people have explored new ways of interacting with information and data. The NCSU Libraries’ Code+Art program continues this tradition by bringing an aesthetic lens to the increasing role of data in our lives.

This year, with exclusive sponsorship by Christie® Digital Systems, the NCSU Libraries embarked upon its inaugural Code+Art Student Visualization Contest. Through a competitive proposal process, the contest encouraged students to create large-scale, data-driven “generative art” for the twenty-foot-wide Art Wall at the entrance to the James B. Hunt Jr. Library and for the large curved screen in the iPearl Immersion Theater.

**Call for proposals: Getting the word out**

A key factor for the success of the contest was reaching out to students, faculty, and staff at NC State. To generate awareness, library staff partnered with Ben Watson’s Computer Science class to help develop proposals. Proposals were also cultivated and workshopped through two meetups that were held in the fall semester, showcasing generative artwork from the NC State community. And an online community of practice was established through the Code+Art Google+ community.

**The Finalists: Getting to work**

Of several interdisciplinary teams that submitted proposals, two finalist teams were selected by a jury of faculty, students, and library staff, who judged the proposals based on their creativity, feasibility, spatial relevance, audience appeal, and future development possibilities. These teams worked closely with Libraries staff to implement their projects. They were also competing for a grand prize to be awarded at a ceremony in the spring.

The WKNC team works on their project. From left to right: Colin Keesee, Cameren Dolecheck, Dylan Stein, Neal Grantham, and Harrison Wideman.
Anthony Smith, a senior in Computer Science with a concentration in Game Development, developed Fractal Forest, a visualization that features an interactive planet where different types of trees appear as guests enter the Hunt Library. Smith said he hopes "that people will have a different experience every time they see my work. Just like nature, it is always changing, so every viewing will be unique."

The team from NC State’s student-run radio station, WKNC 88.1 FM, developed a music visualizer of the WKNC internet radio stream. Of their visualizer, project lead Cameren Dolecheck said, "In the wake of many other college radio stations being shut down, we hope to show that [WKNC] brings people together, enough to even make a work of this magnitude. ...We hope this piece shows how much more goes on with a radio station other than DJing."

The Winners: Getting the grand prize

None of this could have been possible without a team of dedicated jury members made up of library staff, faculty, and students. During the deliberations, the jury considered criteria for the winning team, with respect to spatial relevance, audience appeal, and future opportunities for development of the art pieces.

There was a packed house at the April award ceremony where Fractal Forest took the Grand Prize of $600, and the team from WKNC won a second prize of $400. Following the ceremony, the audience had the opportunity to interact with the visualizations and ask the winning teams questions about their design processes. An interactive music visualizer developed by library staff members Trevor Thornton and Jason Evans Groth also debuted that night.

The Future

The video display walls at the James B. Hunt Jr. Library were designed to create a dialogue with library visitors about the changing nature of our world. The Art Wall, prominently located near the entrance to the library, provides the first opportunity to engage in this dialogue with the building. Students, faculty, and staff have the opportunity to start the conversation, to delight and challenge our visitors. We welcome everyone to envision and create software-driven art for this digital space that will greet library visitors and give them a taste of the possibilities that await them inside the Hunt Library.

The Jury:

Dave Veroba - Christie® Digital Systems, Marketing Programs Manager
Patrick FitzGerald – Associate Professor, College of Design
Denise Gonzales Crisp – Professor, College of Design
Marc Russo – Assistant Professor, College of Design
Stephen Lindberg – Alumnus, College of Design
Jason Ronallo – Interim Head, Digital Library Initiatives
Kevin Beswick - Digital Technologies Development Librarian
Marian Fragola - Director, Program Planning and Outreach
Shirley Rodgers – Information Technology Manager
Barbara Brenny – Visual Resources Librarian
Markus Wust – Digital Research and Scholarship Librarian
Mike Nutt – Director of Visualization Services
Payod Panda – Student, College of Design
Alisa Katz – Student, College of Design

LIBRARY STORIES is a staff-driven project of the NCSU Libraries chronicling stories of everyday innovation and collaboration that enhance teaching, learning, and research at NC State. Learn more at lib.ncsu.edu/stories
Your NC State Time Machine
The first 70 years of the Technician now online

It is not exactly real time-travel, but if you have spent some of your more memorable years on the NC State campus, it might be even more fun. And if you’re a social historian, it is an invaluable set of data.

It’s the first 70 years of the Technician, now available online on the NCSU Libraries website (d.lib.ncsu.edu/collections/technician).

As part of our mandate to preserve the history of NC State and distribute that history widely, the university’s student newspaper is now available to all and easy to browse, search, study, and enjoy.

Since it began publishing on February 2, 1920, the Technician has been the school’s most powerful way for students to tell their own stories, to give their perspective on issues of the day, to influence the direction of the university and the community, and—quite often—to tweak the nose of authority.

The 4,000 issues from 1920 through 1990 that are digitized and indexed in the online collection open a valuable window for professionals who study the history of NC State and the changing attitudes and accomplishments of this important slice of our population. They will also be a delight for NC State alumni, staff, and faculty who can now click and relive their own times at the university—silly fashions, fads, and all.

Visitors to vintage Technician issues can, for instance, explore a 1920 sketch of the proposed Bell Tower, enjoy a story on the doubling of the bleacher capacity in October 1921—“that glorious day in football history when N. C. State College will match her strength and skill against the aggregation from the University” at Chapel Hill—or see how the NC State community reacted to the 1970 killings at Kent State University as the Vietnam war divided a campus proud of its long-standing tradition of patriotism and support for the military.

Visits to the campus by John F. Kennedy (1960) and Ronald Reagan (1985) show the range of political interests and views on campus over time, and the yearly April Fools issues establish an enduring heritage of enthusiastic, irreverent, and impolitic student satire and humor.

Future plans call for adding issues from the years after 1990. To learn how to support this initiative or others at the NCSU Libraries, please visit www.lib.ncsu.edu/giving.
The Technician archive site features a browsable index of newspapers arranged by decade from the 1920s through 1990. Plans for additional years are in the works as funding becomes available. Visitors to the site can view papers featuring (left to right from top left): NC State beating Carolina in football in 1920, Presidential candidate John F. Kennedy’s visit to NC State in 1960, an April Fools edition from 1962, NC State’s response to the killings at Kent State in 1970, the ‘Cardiac Pack’ winning the NCAA basketball tournament in 1983, and President Ronald Reagan’s visit to NC State in 1985.
A BLACK MOUNTAIN COLLEGE Experience

O
ne afternoon last summer, the Hunt Library was the site of a multimedia experience that told the story of America’s boldest experiment in higher education. Using the entire Hunt Library as a storytelling platform, this dynamic event was conducted by David Silver, Visiting Scholar at the NCSU Libraries. Silver is an associate professor at the University of San Francisco who specializes in media history, digital media production, and urban agriculture.

Silver used the library’s dramatic visualization spaces to chronicle the rise and fall of Black Mountain College, founded in 1933 near Asheville, North Carolina. Silver employed an unconventional storytelling approach that unfolded as participants walked through the building, introducing Black Mountain College’s lesser-known but vitally important participants through a discussion of the Black Mountain College farm and work program.
Although the college remained open for only a short period of time, it attracted such luminaries as Buckminster Fuller, Merce Cunningham, and John Cage, who all set the stage for major transformations in educational practices. This dynamic event sparked conversation about the basic premises of how students learn across disciplines and interact with faculty and with their learning environments.

Silver led attendees through the Hunt Library, from the iPearl Immersion Theater up to the Visualization Wall—a twenty-five-foot wide canvas comprised of seven separate columns of pixel space integrated into the architecture of the library, the Teaching and Visualization Lab, and finally, the Monumental Stairs across from the Commons Wall display.

Throughout the spaces, Silver introduced the origins of the farm at Black Mountain College, including never-before-seen and rare photographs of the farm and life there, walked through a timeline of college activities between 1937 (when the college bought the Lake Eden campus) and 1949 (when Joseph Albers and a host of other faculty left the college in anger), and painted a picture of the increasingly desperate last stage of the college by inviting local poets to read memoir excerpts from that period.

More than 150 people attended one of two performances of this “happening.” Both performances were free and open to the public and concluded with small receptions to encourage further discussion among the participants.

This summer, David Silver returned to NC State to present more of his research in a new Hunt Library Happening. Look for a recap of this latest event in an upcoming issue of Focus.
Our Library Personnel

We are pleased to announce the following new staff and new appointments to the NCSU Libraries.

Kevin Beswick has been appointed Digital Technologies Development Librarian. In this role, he will provide technical leadership and hands-on programming expertise for a portfolio of digital library projects in the Digital Library Initiatives (DLI) department. In close collaboration with partners across the Libraries, he will identify emerging technologies that have potential for new and improved library services. He will develop functional prototypes of new digital library services, and maintain and enhance existing digital library applications.

Most recently Beswick has been serving as an NCSU Libraries Fellow in the DLI and Information Technology departments. He contributed to the redesign of QuickSearch, the Libraries’ locally developed federated search tool, rewriting the tool in Ruby on Rails. He also led development on a project to design a tool to enhance sets of e-book MARC records. Additionally, he has contributed to a variety of existing projects including the Java/Endeca-based library catalog, Virtual Browse, and the Virtual Shelf Index. Prior to joining the NCSU Libraries, Beswick was a Library Systems Assistant at Laurentian University in Sudbury, Ontario. While there he contributed to the development of a unit test suite for open source projects OpenSRF and Evergreen.

In 2014, Beswick presented “A Single Search Box for Your Phone,” at the Triangle Research Libraries Network Annual Meeting with co-presenter Cory Lown. He also presented “More Like This: Approaches to Recommending Related Items Using Subject Headings,” at the Code4Lib 2014 Conference. Beswick holds the Master of Library and Information Science from the University of Western Ontario and the Bachelor of Computer Science, with Honours, from Laurentian University.

Mike Nutt has been named Director of Visualization Services in the NCSU Libraries.

The NCSU Libraries offers advanced visualization spaces, services, and technologies that support university research and teaching in all disciplines. State-of-the-art facilities and computing infrastructure invite scholars to engage with research data using advanced visualization software, examine and compare high-resolution digital content, and immerse themselves in simulations and virtual environments. As Director of Visualization Services, Mike Nutt will represent the Libraries in the visualization community and provide leadership in developing and advancing visualization services in concert with researcher needs and in collaboration with both university partners and library colleagues.

Most recently, Nutt has been the Digital Media Librarian at the NCSU Libraries. In this role, he has served as editor-in-chief of the video wall content program and has been the consultant and project manager for a wide range of visualization projects. Nutt first joined the Libraries as an NCSU Libraries Fellow, where he helped to build the content strategy for the Libraries’ first experiences with large-scale, public visualization. His work was central to several award-winning efforts to tell the story of the Hunt Library, including the My #HuntLibrary project. Nutt was the founder and president of the Digital Storymakers Foundation, a nonprofit consultancy for digital storytelling and social media needs. As a graduate student, he founded and led the Carolina Digital Story Lab, an interdisciplinary, service-oriented student digital storymaking organization.

Nutt has presented on a variety of topics, including co-presenting “Recipes for Engagement: A Cookbook of Interactive Spaces” at the 2014 Digital Library Federation Forum and serving as co-facilitator for...
“Visualization and Video in Research and Teaching” at the Digital Humanities & Libraries THATCamp. Nutt holds the Master of Science in Information Science from School of Information and Library Science, a certificate of Nonprofit Leadership from the School of Social Work, and a Bachelor of Arts (Media Studies and Production) from the Department of Communication Studies, all from the University of North Carolina at Chapel Hill.

Hilary Davis has been named Head of Collection Management for the NCSU Libraries.

As Head of Collection Management, Hilary Davis will oversee the allocation and management of the collections budget as well as departmental planning, policy, and personnel matters. She will lead current initiatives to develop and foster the department’s expertise in digital scholarship and research activities such as large-scale visualization, data management, and interactive computing, and will partner with researchers in the creation and management of scholarship and research assets.

In addition to her role as Director of Research Data Services, Davis has been serving as the Interim Head of Collection Management, providing leadership on client-focused approaches for discovery, promotion, development, and assessment of collections. In collaboration with colleagues within the Libraries and across campus, she has been coordinating management of services and outreach in support of research data management. She is currently overseeing projects to optimize collection assessment, including ways to leverage usage statistics, local citation and publication patterns, ARL metrics, and other collection intelligence tools. She has also served as the liaison for the Math & Statistics, Chemistry, Chemical Engineering, and Physics departments. Davis began at the NCSU Libraries as an NCSU Libraries Fellow and was engaged in efforts to develop an institutional repository. Previously, she was the recipient of graduate teaching and research assistantships and served as a Library Assistant for Chemistry and Engineering at Washington University, St. Louis.

Davis has built an impressive record of professional development and service. She has served on a number of internal Libraries committees, as well as several campus-wide committees, including the Research Support Council. On a national level, she co-founded In the Library with the Lead Pipe, an open-access, peer-reviewed journal. She is a member of the Royal Society of Chemistry Library Advisory Board and has held a number of leadership roles in the Special Libraries’ Association Sci-Tech Division, including chair. She has published and presented extensively on a variety of topics relating to collection management and research data. Most recently, she collaborated with Libraries’ colleagues Kristine Alpi and William Cross on “Support When It Counts—library roles in public access to federally funded research,” presented at the 2013 Charleston Conference and published in the conference proceedings. In 2008, Davis was named a Library Journal “Mover and Shaker.”

Hilary Davis

Chris Tonelli

We are pleased to announce the appointment of Chris Tonelli as Director of Communication Strategy for the NCSU Libraries.

As Director of Communication Strategy, Tonelli will lead the Libraries’ ongoing communications and public relations strategy, connecting the NCSU Libraries with key target audiences including students, faculty, the university community, the public, and supporters. He will work collaboratively with colleagues throughout the library and with University Communications to share the NCSU Libraries’ achievements as a leader in library and educational innovation.
STAFF NEWS

Jason Evans Groth has joined us as User Experience Librarian for Digital Media.

In this position, Evans Groth will have primary responsibility for digital media spaces in both the James B. Hunt Jr. Library and the D. H. Hill Library, including music and media production rooms, and the usability lab. He will also assist with supporting the use of the Libraries’ visualization labs and studios for research, teaching, and learning.

Evans Groth was most recently an NCSU Libraries Fellow assigned to User Experience and to the Special Collections Research Center (SCRC). As a member of the User Experience team, he has already successfully laid the groundwork to make the Hunt Library media spaces approachable for beginners and well-equipped for advanced users. With his colleagues, he managed the opening of the audio and video studios at the James B. Hunt Jr. Library, including the development of documentation, support infrastructure, and workshops for both users and staff. Additionally, he has worked to develop and promote university and public programming, such as the popular monthly film series with Skip Elsheimer of A/V Geeks, utilizing visualization and audio technology. In the SCRC, he has designed and implemented born-digital preservation and curation workflows, from ingest to access. He has also presented on the topic of born-digital collections in several venues, including most recently at the 2014 annual meetings for both the Society of American Archivists and the American Institute for Conservation of Historic and Artistic Works.

Evans Groth received his Master of Library Science and Master of Information Science with Digital Libraries Specialization from Indiana University (IU), Bloomington. While completing his graduate studies, Evans Groth held a variety of positions on the IU campus and in the community. He held assistantship positions in the Media Preservation Initiative, the IU Library Film Archives, and in the Digital Library Program at IU. In the IU School of Library and Information Science, he was a graduate assistant to two professors, and he served as a teaching assistant for courses at the IU Jacobs School of Music, including History of Rock and Roll 1970s/1980s. At the Monroe County Public Library, Evans Groth was Project Manager for “It’s Your Money,” a financial literacy program for the community. Before pursuing his graduate studies, Evans Groth was the Assistant Meeting Director for the Organization of American Historians. He is also an accomplished professional musician, having toured around the world with acts such as Magnolia Electric Co., the Watson Twins, and Jens Lekman. He holds the Bachelor of Arts in History and English, with a minor in Telecommunications, from IU, Bloomington.

We are happy to announce the appointment of Leia Droll as Executive Director of Development for the NCSU Libraries.

As Executive Director of Development, Droll will provide leadership, oversight, and strategic direction for the NCSU Libraries’ development initiatives and lead our efforts to identify, cultivate, recognize, and steward donors and prospects.

Droll has been serving as Interim Executive Director of Development, directing the NCSU Libraries’ fundraising activities including major gifts, corporate and foundation support, and annual giving. She joined NC State in 2013 as Director of the Friends of the Library (FOL) and has managed the activities of the FOL Board of Directors, including planning board meetings and working closely with the Executive
Committee. She has also worked with colleagues in University Advancement to expand Libraries' fundraising efforts resulting in multiple major gifts.

Droll’s strong background in higher education fundraising includes experience in membership and patron programs, special events, grant writing, corporate sponsorship, and major gifts. She served as the Director of Development, Long Island University, for both the Brooklyn and Post campuses. She built and managed a portfolio of more than 150 donors and participated in planning and executing major capital campaigns. Before joining LIU, Droll was a Research Manager in the Major Gifts Department of the Asia Society in Manhattan. Droll holds the Master of Arts in Communication Arts & Sciences from Pennsylvania State University and the Bachelor of Science in Communication Studies from Northwestern University.

University Library Committee 2014-2015

**Faculty**
Walter Wessels, Professor of Economics, Poole College of Management
Paul Williams, Professor of Accounting, Poole College of Management
Susan Osborne, Associate Professor of Curriculum, Instruction, and Counselor Education, College of Education
Denise Gonzales Crisp, Professor of Graphic Design, College of Design
Elvira Lopez Vilches, Associate Professor of Foreign Languages and Literature, CHASS
Martin Hubbe, Professor of Forest Biomaterials, College of Natural Resources
Suzanne Kennedy-Stoskopf, Professor of Wildlife Infectious Diseases, College of Veterinary Medicine
Michael Hyman, Professor of Plant Biology, College of Agriculture and Life Sciences
Kerry Havner, Professor Emeritus of Civil Construction and Environmental Engineering, College of Engineering
Nancy Powell, Associate Professor of Textiles, College of Textiles
Maria Gallardo-Williams, Director, Organic Chemistry Labs, College of Sciences

Alice Warren, Vice Provost for Continuing Education, McKimmon Center for Extended and Continuing Education
Gary Little, Online Learning and Web Support Specialist, College of Agriculture and Life Sciences

**Graduate Students**
Keith Brannum, Public Administration
Jeremy Howard, Animal Science and Poultry Science
Chirag Gajjar, Fiber and Polymer Science
Emily Smith, Biomedical Engineering
Matthew Melillo, Chemical Engineering

**Undergraduate Students**
Cassandra Brinkman, Microbiology
Zachary Harris, Communication, Public and Interpersonal Communication
Mitchell Moravec, Psychology
Taylor Rogan, Accounting

**Ex Officio**
Art Cooper, Retired Head of Forestry Department, College of Natural Resources
Susan K. Nutter, Vice Provost and Director of Libraries, NCSU Libraries
Libraries Fellows 2015-2017

We are very pleased to announce the appointment of the 2015-2017 class of NCSU Libraries Fellows: Alison Blaine, James Cheng, Lauren Di Monte, Ekatarina Grguric, and Madison Sullivan, effective 1 July 2015, and Todd Stoffer, effective 1 September 2015.

The NCSU Libraries Fellows Program develops future leaders for academic libraries, with a focus on science, engineering, and digital librarianship, on diversity, and on library management. For more than fifteen years, the program has attracted an impressive group of talented new graduates from universities throughout North America. NCSU Libraries Fellows are appointed for a two-year term as members of the library faculty, combining an assignment on an initiative of strategic importance with an appointment in a home department.

Alison Blaine completed the Master of Science in Information Science at the University of North Carolina at Chapel Hill (UNC-CH). While pursuing her graduate studies, Blaine was appointed as a Carolina Academic Libraries Associate. She held positions in the Research Hub and the Carolina Digital Repository at UNC-CH, as well as at the International Area Studies Collection at Duke University. Blaine came to the field of information science with a background in teaching. She held positions at the North Carolina School of Science and Mathematics and Enloe Gifted and Talented High School. She holds the Master of Theological Studies from Harvard Divinity School and the Bachelor of Arts in Comparative Area Studies from Duke University.

Blaine’s home department will be Digital Library Initiatives (DLI), with a focus on supporting researchers working with visualization and the high-tech spaces. Her initiative will be “Enhancing Student Success in Management, Education, and Social Sciences” (Research and Information Services).

James Cheng holds the Master of Science in Information Studies from the University of Texas at Austin (UT-Austin). Cheng has worked with faculty there to provide technical assistance and create visualizations for projects that include the creation of an online Virtual Organization Resources and Toolkits Exchange. His library experience includes work at the Center for Transportation Research Library at UT-Austin and at the Tutt Library at Colorado College. As an ALA Spectrum Scholar, he received the National Library of Medicine/Medical Library Association
Scholarship. He was named a Diversity Scholar in the ARL Initiative to Recruit a Diverse Workforce. Cheng holds the Bachelor of Science in Neuroscience from Colorado College.

Cheng’s home department will be the Veterinary Medicine Library. His initiative will be “Advancing Support for Research, Teaching, and Learning in a High-Tech Library” (Centennial Campus Research Services).

Lauren Di Monte holds the Master of Science in Information Science at the University of Toronto. She has served as both an Instructional Technology Support Specialist and Reference & Research Support Specialist at the Hazel McCallion Academic Learning Centre at the University of Toronto Mississauga (UTM). She has contributed to a variety of projects, including a 3D printer pilot project; the development and creation of a video tour of the UTM Library; and “The Chaperone,” an Arduino-based critical-making project. Her presentations include “Teaching (and Learning) with Social Media” and “Engaging Faculty with Courseware.” She holds the Master of Arts, with distinction, in Interdisciplinary Studies from York University in Toronto and the Bachelor of Arts in Visual Studies from the University of Toronto.

Di Monte’s home department will be Administration, with a focus on recruiting and visitor relations. Her initiative will be “Launching and Sustaining a Makerspace in the D. H. Hill Library” (User Experience).

Ekatarina Grguric completed the Master of Library and Information Studies at the University of British Columbia (UBC), with a focus on Human Computer Interaction. Most recently, she has been working as a student librarian in UBC Library Systems and IT, conducting user testing for a new Open Collections website. As a co-op student for the BC Digitization Project, she wrangled metadata from institutions around British Columbia to conform to the Canadiana CMR XML schema and documented the process. She explored issues around the application of conceptual blending principles while serving as a research assistant at UBC. She has presented on conceptual blending, metadata wrangling, and ways in which digital libraries can support digital humanists. She also collaborated on a project that explored critical making with Raspberry Pi computers. Grguric holds the Bachelor of Arts in English Honours and History Honours from UBC.

Grguric’s home department will be User Experience, working with the web team. Her initiative will be “Exploring the Libraries’ Role in Supporting Open Science” (DLI).
Todd Stoffer completed the Master of Library Science, with a Specialization in the Curation and Management of Digital Assets, at the University of Maryland (UMD). He has been serving as the IT coordinator at UMD, supervising the primary campus computer support and repair center. He also assisted in the website migration and provided meeting support for the Coalition for Networked Information and was a project manager at Market Hardware. He is a Six Sigma Green Belt and is both an Apple and Dell Authorized Technician. Stoffer holds the Bachelor of Arts in Political Science, with a focus on comparative governments of Mexico and South America, from Colorado State University. He also holds a certificate in Central and East European Studies from the University of Economics in Prague, Czech Republic.

Stoffer’s home department will be Digital Library Initiatives. His initiative will be “Web Archiving” (Special Collections Research Center).

Madison Sullivan holds the Master of Science in Library and Information Science, with a Specialization in Data Curation and a Certificate in Special Collections Librarianship, from the University of Illinois at Urbana-Champaign (U of I). While completing her graduate studies, Sullivan has been serving as a digital preservation graduate assistant at the U of I Main Library and as a special collections graduate library assistant at the U of I Funk ACES Library. She has also held positions at the Missouri History Museum Library and Research Center and the Webster University Art Department Slide Library. She currently serves as the Publicity/Social Media Officer for the ALA, Student Chapter. Sullivan holds the Bachelor of Arts in Art History and Criticism from Webster University.

Sullivan’s home department will be Research and Information Services. Her initiative will be “Expanding the Libraries’ Social Media Profile” (External Relations).
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