

North Carolina State University Libraries Annual Report, 2018-2019

Introduction

The Libraries is a powerful competitive advantage for NC State University in every aspect of its mission. We advanced many strategic initiatives in 2018-19 in support of all five of the university's overarching goals. Significant achievements and their impact are described in this report, including the launch of a new Dataspace at the Hunt Library with new services in support of data-informed research and scholarship; numerous and multifaceted student success initiatives; and the expansion of both content and participation in our diverse programs, events, and instructional offerings. The transformation of the D. H. Hill Jr. Library continued this year with a number of reconfigured study spaces, a large book move, and other preparations for the construction of the Academic Success Center (ASC) and other new library spaces that began in May.

Greg Raschke was appointed as Senior Vice Provost and Director of Libraries effective December 1, 2018, following a national search for that position. Raschke's leadership approach emphasizes excellence and innovation in all of our traditional areas of strength – collections; services; learning spaces; and student, faculty, and researcher success – along with active university and interinstitutional partnerships and an organizational culture of openness, creativity, and well-being that is welcoming to all.

I. Programs: Changes in scope of activities, volume of activities, special achievements of significance and special program reviews, studies, or plans

Changes in scope of activities

- This was the first full academic year of operation for the Libraries' new **Data & Visualization Services department**, which helps students, faculty, and researchers develop important data science and visualization skills. Consultation services are offered in conjunction with a diverse program of workshops that both complement the university academic curriculum and support research. An existing librarian position was repurposed for the role of Data and Visualization Librarian to focus in particular on advancing undergraduate students' data and visualization skills.
- A new **Dataspace** was opened on the third floor of the Hunt Library adjacent to the Game Lab, which now features a large-scale, interactive display wall available for instruction and iterative visualization in addition to gaming and game development. The Dataspace provides a cluster of specialized workstations, peer-to-peer consultation, instruction, and support in data discovery, evaluation, modeling, analysis, and visualization; geospatial data techniques; and metadata creation. This represents a greater level of access in the library to specialized technology such as high-performance computing for undergraduate students, who made up almost 50 percent of its user interactions this year. A similar space will be created at the D. H. Hill Jr. Library as part of the Academic Success Center renovation project to be completed by fall 2020. In the

meantime, a pop-up “Data Point” debuted in the Learning Commons at the Hill Library in spring 2019 to offer similar consultation and support, also attracting significant numbers of students.

- The Libraries’ award-winning program of **Emerging Digital Information Skills Workshops** expanded this year, introducing students and researchers to a range of data science, digital media, virtual reality, making/fabrication, and visualization tools and applications. We partnered with instructors and trained graduate students to develop and provide more course-related instruction specifically for undergraduates, including data and visualization starter assignments and development of core data literacy skills. Over the last five years, this program has grown from 85 workshops to 653. In 2018-19, the number of workshops taught increased by 100% over the prior year and included 47 new workshops in data science.
- **Significant and increasing use of the library collections** underscores that they are integral to NC State’s success. The collections are essential, core research infrastructure that serves the entire university community across all disciplines. In 2019 there were 16,428,852 measurable uses of the collection, a 15% increase since 2015.
- The **transformation of the D. H. Hill Jr. Library** continued this year, as we collaborated with DASA, Capital Project Management, and the Office of the University Architect to advance the Academic Success Center renovation project into the construction phase. A detailed public website for the project was created, and over 200,000 volumes were moved from the Hill Library bookstacks to the bookBot at the Hunt Library in preparation for construction. In anticipation of Academic Success Center’s presence in the library, Libraries and DASA staff continued to develop student-focused partnerships and build mutual understanding of our respective service programs and assessment strategies.
- Also in support of the research enterprise, the Libraries expanded its **partnerships with the Office of Research & Innovation** to enhance researcher productivity and improve research infrastructure, including acquiring an ORCID institutional membership (the ORCID iD is a persistent digital identifier that disambiguates researchers and helps them manage their scholarly output throughout their careers), providing Institutional Review Board (IRB) workshops, and supporting the use of technology-rich spaces for research and grant projects.
- The Libraries is taking a greater role in **entrepreneurship initiatives on campus**. Librarians created a new workshop on networking for Global Entrepreneurship Week in partnership with the Career Development Center; served as preliminary judges for the WolfDen event; connected Lulu eGames studios with the Digital Media Lab; served on the Entrepreneurship Alliance; and co-sponsored Global Entrepreneurship Week, Entrepree-looza, and Make-A-Thon. Within specific academic programs, we provided specialized market, industry, and patent research sessions for seven departments, 12 courses, and over 750 students.
- The Libraries’ **Makerspace and Virtual Reality (VR) programs** continued to broaden their user base and integrate with more courses through collaborative instructional design with faculty members. The Libraries hosted 28 cross-disciplinary VR in-house events and four pop-up events using our Mobile VR Cafe. In addition to the Makerspace and Virtual Reality Studio at the Hill

Library, **a space at the Design Library** was newly equipped for the use of VR tools and applications as they are adopted more widely in the College of Design and related disciplines.

Volume of Activities

The Libraries' Volume of Activities is provided in a statistical appendix at the end of this report. The volume and nature of the use of both existing and new spaces and services is monitored carefully to assess and optimize their value and impact.

Special Achievements of Significance

Grants

Library faculty and staff were engaged in a number of important, externally funded and supported projects this year, including the following.

- Continued execution of a \$414,000 grant from the Andrew W. Mellon Foundation, "Visualizing Digital Scholarship in Libraries and Learning Spaces," to support the advancement of tools and techniques for developing and sharing large-scale visual content for research.
- With a private foundation grant of \$389,100, completed the creation of a Dataspace at the Hunt Library and renovation of the Game Lab that included a state-of-the art large-scale visualization wall.
- Continued execution of a \$360,384 "Digitizing Hidden Special Collections and Archives" grant from the Council on Library and Information Resources, enabling the Libraries to partner with the American Society for the Prevention of Cruelty to Animals (ASPCA) on a three-year project, "The Animal Turn: Digitizing Animal Protection and Human-Animal Studies Collections."
- Completed the first year of a two-year LSTA grant to NC LIVE totaling \$149,451 to address the high costs of textbooks by coordinating the expertise and resources of all higher education communities in North Carolina to curate a collection of electronic textbooks and encourage their adoption.
- Completed the third year and final year of a Library Services and Technology Act (LSTA) grant awarded to NC LIVE. This \$134,672 award enabled NC LIVE to create and deliver a comprehensive training program for member libraries. NC LIVE is seeking new grant funding for this initiative for FY 2019/20.
- Continued execution of a \$115,318 USDA Forest Service grant for InsideWood, an internet-accessible wood anatomy information resource used extensively worldwide.

- Completed work for an Institute of Museum and Library Services (IMLS) grant of \$49,958 to explore the need for and ideal components of a subject-specific, simple, flexible, and scalable “toolkit” for the creation and adoption of open textbooks.
- Completed work for an IMLS grant of \$49,808 to explore the need for and ideal components of an open educational resource (OER) for teaching library science students and professionals about scholarly communication.
- Awarded a \$25,000 grant from the NCSU Foundation to showcase student innovation through the creation of unique digital and physical exhibitions at the Hunt Library.

Fundraising

The Libraries’ Development team promotes a set of top fundraising priorities that align with the university’s strategic plan. This year, following two years of record fundraising totals in 2016-17 and 2017-18 (\$3.27 million and \$3.58 million, respectively), we identified a need to rebuild our major gifts pipeline and to focus on building stronger annual giving and leadership annual giving strategies, also a priority area for University Advancement. To expand our audience, we partnered with the Alumni Association on various events across the state to highlight the Libraries’ student success initiatives and introduce Greg Raschke as our new Senior Vice Provost and Director of Libraries. Our fundraising totals this year (approximately \$1.2 million) fall below our previous two years for the reasons above, and there are two large gifts that we expected to close this fiscal year but will now close in the next. However, all of these activities have put us in a strong position for 2019-20. We anticipate meeting our initial \$22 million campaign goal in fall 2019, and we are working with Central Advancement to determine a new goal for the remainder of the campaign.

II. Strategic Initiatives

Goal 1. Enhance the success of our students through educational innovation.

- The rising cost of university textbooks has been well documented, with prices increasing by 73% since 2006 - over four times the rate of inflation.¹ Recent studies indicate that the average university student spends roughly \$1,200 per year on course materials.² In one recent survey, two-thirds of students indicated that because of these costs they have not purchased a required textbook; more than a third indicated that they have earned a poor grade; and roughly 20% said that they have failed a course because they were unable to afford a textbook.³ In light of these facts and with leadership from the Office of the Provost, the Libraries is working actively with DELTA, the Bookstores, the Office of Information Technology (OIT), the colleges, and other partners to identify and create affordable course materials to replace traditional, expensive textbooks. This initiative is also developing recommendations for university rules and guidelines aimed at reducing

¹ <https://studentpirgs.org/reports/sp/open-101-action-plan-affordable-textbooks>

² Id.

³ http://www.openaccesstextbooks.org/pdf/2016_Florida_Student_Textbook_Survey.pdf

total course costs for students and making both the required resources and their costs available to students early in the course registration process and schedule.

- In partnership with DELTA and the Bookstores and on behalf of the university, the Libraries applied for and was accepted into the prestigious OpenStax Institutional Partnership Program, which will support campus Open Educational Resources (OER) engagement in 2019-20. This program complements the Libraries' successful Alt-Textbook initiative, which supports faculty members in developing and using OERs, enhancing access to affordable, high-quality educational materials for NC State students.
- Library staff worked with DASA to incorporate some new library and information skills questions into several student surveys and to add links to library staff and resources to those surveys and to the GPS system used by students and advisors. We began exploring the integration of certain library use data and more information for advisors and students into the GPS for upcoming academic years.
- Hired 27 Provost's Professional Experience Program (PEP) Students who gained professional experience in the areas of technology support, digital media, making, data analysis, and public speaking/tours.
- Awarded the second annual Library Leaders Scholarships, recognizing exemplary contributions to the Libraries by current students. The two awards of \$2,500 each come from the Library Leaders Scholarship Endowment, established to provide scholarship support for students working at the Libraries and to encourage them to consider pursuing an advanced degree in Library and Information Science.
- Advanced the Libraries' Makerspace and Virtual Reality (VR) tools, services, and support to reach a wider audience and integrate with more courses through collaborative instructional design with faculty members in many disciplines. Hosted 28 cross-disciplinary VR in-house events and four pop-up events using our Mobile VR Cafe.
- The Libraries' partnership with the TH!NK program has led to a total of 52 collaborations with faculty, including 29 course-based interactions this fiscal year, using Makerspace, data science, digital media, special collections, information literacy and research resources.
- Co-sponsored the 2019 Make-A-Thon, a three-day challenge in which student teams designed, prototyped, and built new solutions to address sustainability challenges. Community and industry sustainability experts awarded prizes to the top teams in each category, as well as a grand prize to the overall winner. Make-a-thon is a partnership among the Libraries, the University Sustainability Office, and four University Housing Living and Learning Villages. The 2019 event involved 125 students on 30 interdisciplinary teams representing 10 of the university's colleges.

The Libraries' efforts to promote graduate student and post-doctoral success, beyond the extensive research, data, and consultation services provided through our ongoing service portfolio, included the following.

- The Peer Scholars Program, a partnership with the Graduate School, gives graduate students and postdoctoral researchers the opportunity to share their expertise and teach advanced research skills on topics including design, programming, analytics, visualization, immersive technologies, and diversity. This year, 13 Peer Scholars participated by teaching a total of 35 workshops.
- Provided valuable professional development experience to 11 graduate students hired to serve as Data Science Consultants in the Hunt Library Dataspace and Hill Library Data Point. Students in these positions were mentored by experienced librarians to consult and teach workshops on programming, machine learning, statistics, data analysis, visualization, and other data-related topics.
- Supported a Graduate Extension Assistantship for a Communication, Rhetoric, and Digital Media graduate student to work with the Libraries' Makerspace program, and another for a College of Design student to help develop interactive exhibits in the Innovation Studio that will open in fall 2020 as part of the Hill Library renovation.

Goal 2. Enhance scholarship and research by investing in faculty and infrastructure.

- Expanded partnerships with the Office of Research & Innovation to enhance researcher productivity and improve research infrastructure, including acquiring an ORCID institutional membership (the ORCID iD is a persistent digital identifier that disambiguates researchers and helps them manage their scholarly output throughout their careers), providing IRB workshops, and supporting the use of technology-rich spaces for research and grant projects.
- The library collections are core research infrastructure that serves the entire university community across all disciplines. Ninety percent of our collections investment is for research content, and 10 percent is for instructional and other content. Significant and increasing use of the collections underscores that they are integral to NC State's success. In 2019 (these statistics are reported for the calendar year), there were 16,428,852 measurable uses of the collection, a 15% increase since 2015.
- To support compliance with research data management and public access requirements, research librarians have collaborated with faculty members and college research officers in 37 different academic departments, ORIED, SPARCS, the Proposal Development Network, and the Research Support Council, providing resources and consultation for researchers applying for millions of dollars in grants from NSF, DOE, DoD, USDA, NEH, and NIH.
- Conducted a two-year interview study to learn about researchers' needs, workflows, and expectations across different career phases and disciplines and to enhance our strategies to support those needs and link researchers with essential tools and content.
- Hired a Research Data and Infrastructure Librarian in partnership with OIT. This position works closely with librarians and other colleagues across the university to evaluate and enhance research data services for faculty and researchers and contribute to NC State's success in

securing grant funding, recruiting and retaining top researchers, and leading in interdisciplinary, data-intensive research.

- Libraries staff worked OIT to integrate the Libraries' High Performance Computing (HPC) resources and Graphics Processing Unit resources with the campus HPC cluster. This project is complete, and these valuable resources are being used by campus researchers. We collaborated with OIT and Information Technology and Engineering Computer Services (ITECS) to pilot the availability of HPC resources for undergraduate students, and we will continue to collaborate on this service in the coming year with a goal of increasing our capacity to support student researchers.

Goal 3. Enhance interdisciplinary scholarship to address the grand challenges of society.

- Research librarians collaborated with the Chancellor's Faculty Excellence Program (CFEP) clusters and with faculty, students, and researchers in all disciplines, offering information, expertise, and support in areas such as data analysis and management, demonstration of "broader impacts," visualization, in-depth literature searching, and research impact analysis.
- The Libraries hosted numerous events focused on university research and scholarship, bringing together students, faculty, and others from all disciplines for collaboration, knowledge sharing, and new connections. Continued the popular Coffee & Viz series, a forum for NC State and nationally recognized guests to present their work in a large-scale, immersive environment and discuss topics of interest with colleagues, students, and the public.

Goal 4. Enhance organizational excellence by creating a culture of constant improvement.

- Following his appointment as Senior Vice Provost and Director of Libraries, Greg Raschke initiated an organizational reexamination and engagement process that included a 50-staff-member "Strategic Advance" retreat and the development of a Strategic Priorities document for 2019-20 that aligns with and complements the Libraries' formal Strategic Plan. This inclusive process aims to "nurture a diverse, equitable, and inclusive organization that enables welcoming services and spaces, experimentation, aspiration, creativity, and success." Library-wide conversations about these issues are ongoing, and we plan to administer at least one organizational climate instrument in the coming year and act on its results.
- The Libraries' Staff Learning and Development Committee promotes and encourages continuous learning, training, and staff development. Project management training was a major focus this year. An internal project management team developed and delivered a nine-month-long intensive training for 12 staff positions within the organization.
- Although study seats have been added at the D. H. Hill Jr. Library in recent years, the overall shortage continues, and students continue to ask for both quiet study space and additional group study rooms. In response, we used the library budget along with one-time allocations from the Provost's Office to advance numerous building improvements, including a new 38-seat quiet reading room in the west wing; relocating three group study rooms from the third floor to the

seventh floor to mitigate the disruption of the Academic Success Center construction; and creating 13 new group study rooms on the fifth, sixth, and eighth floors.

- In partnership with the Poole College of Management, we opened the Bloomberg Lab at the Hill Library, which contains nine Bloomberg Terminal workstations. Student and faculty feedback about this resource has been positive.
- This year, in partnership with OIT and others, the Libraries implemented a one-year, university license and promoted the Lynda.com/LinkedIn Learning online training resource to provide self-paced learning and professional development and certification opportunities for all NC State faculty, staff, and students. Offering more than 7,400 high-quality, online courses, LinkedIn Learning enables ongoing training and development both for specific software tools such as Tableau or Excel and on broader topics such as business management and organizational communication. For students, this resource vastly supplements what faculty can cover in the classroom and what the Libraries can offer through workshops, consultations, and drop-in help.

Goal 5. Enhance local and global engagement through focused strategic partnerships.

- The Libraries' diverse public programs showcase the research and work of faculty and students, highlight the contributions of alumni, and engage the public in innovative ways. The Hunt Library offers an accessible and compelling venue in which to hold many of these events. In 2018-19, we hosted 121 programs and events with an attendance of over 8,800.
- Hosted the Global Film Series in partnership with the University Scholars Program, African American Cultural Center, and the Office of Global Engagement. Each event featured an introduction by an NC State faculty member and a post-film reflection, during which both individuals and faculty and student organizations shared their global experiences and expertise with a wide campus and community audience. Based on this year's success, with more than 1,000 total attendees, we will continue the program into the next academic year.
- Library faculty and administrators participated in planning, attended, and presented at the seventh annual Designing Libraries for the 21st Century conference in Calgary, Canada, which continues to draw an international audience after being launched by our library leadership and several international partner organizations and libraries in 2012. This year's conference attracted over 200 librarians and designers from around the world.
- Participated in the North Carolina-Moldova Bilateral Partnership's Library Committee under the aegis of the NC Secretary of State. Provided scientific research support, consultation, and a shipment of surplus library bookends to a group of research libraries in Moldova.

III. Diversity: Initiatives and Programs

- The Libraries is deeply committed to creating and enhancing a diverse and inclusive organizational culture and service environment. In recognition of the university's emphasis on communicating the importance of these values, our public communications this year were designed with care to emphasize the inclusive and welcoming philosophy that permeates all of

our spaces, programs, and services. We reexamined our signage, publications, and all forms of messaging and implemented changes to language and imagery based on insights gained from university partners such as the GLBT Center, from what was learned through ongoing staff training and development in cultural competency and inclusivity, in supporting students with disabilities, etc., and from national conversations on these issues.

- Among our public programs, the popular Making Space event series addressed bias and systemic barriers to inclusion in the STEM fields by presenting the experiences and perspectives of individuals from underrepresented groups in science and technology. Workshops and lectures featured topics such as medical and molecular imaging, game design, and the struggle for gender equity in technological fields.
- The Wolf Tales mobile video oral history program has grown to include over 220 stories of NC State alumni, students, faculty, and staff, with a focus on documenting a diverse and inclusive archival record of university history. In 2018-19, the program expanded to include the voices of international students, non-traditional and first-generation students, Libraries student workers, the Wolfpack Family of the Year, and more.
- Each year we develop and implement new strategies for the recruitment, retention, and advancement of librarians and staff from historically underrepresented groups, which has resulted in a 6% increase in the ratio of those employees to the total staff over the past five years, from 13% to 19%. In 2018-19, new appointments of librarians from underrepresented groups were at 39%, well exceeding availability, which is calculated at 15.39% for the field. We also recruited, hired, and trained 250 student assistants from all racial and ethnic groups to work in a variety of capacities, including many user-facing roles such as peer-to-peer training and technology support.
- The NCSU Libraries Fellows Program, established 20 years ago, continues to add tremendous value for our organization, the university, and for the library and information science profession in higher education. This program develops future leaders for academic libraries with a focus on science, engineering, and digital librarianship, on diversity, and on library management. The incoming cohort (2019-21) of four highly qualified librarians includes one librarian from an underrepresented group.
- All Libraries supervisors have attended or are scheduled to attend the Racial Equity Institute (Phase 1), a two-day workshop that provides historical factors, talking points, and a deeper understanding of racism. These experiences have been meaningful and thought-provoking, and we plan to continue to participate in this program during the coming year.
- This year, we publicized the availability of two accessible, gender-inclusive restrooms adjacent to the first-floor Ask Us lobby at the D. H. Hill Jr. Library, a high-traffic area. A gender-inclusive restroom is also available at the Hunt Library.

IV. Staff: Major new appointments, kudos, professional activities and recognition

Major New Appointments

Greg Raschke was appointed as Senior Vice Provost and Director of Libraries effective December 1, 2018, following a national search for that position. Previously, he served as Associate Director for Collections and Scholarly Communication for over a decade and as Associate Head of Collection Management. Raschke is recognized nationally for his leadership and expertise in the areas of research collections and services, digital research and scholarship, community engagement, and technology-rich library design.

Other significant professional appointments include the following: Beth Ashmore, Associate Head, Acquisitions & Discovery; Bertha Chang, Associate Head, Collections & Research Strategy; Jennifer Garrett, Director, Talent Management; Peggy Gross, Director, Library of Veterinary Medicine; Susan Ivey, Research Data & Infrastructure Librarian; Emily Lynema, Department Head, Information Technology; Carrie Myers, Assistant Director of Development; Robert Olendorf, Director, Natural Resources Library and Research Engagement Librarian; and Jill Sexton, Associate Director for the Digital Library.

Staff Honors and Awards

The Libraries won the LITA/Library Hi Tech Award for Outstanding Communication for Continuing Education in Library and Information Science for the Data Science and Visualization Institute for Librarians; and Research Librarian for Design Pete Schreiner became the Libraries' eleventh Library Journal Mover and Shaker.

Professional Activities and Recognition

Director of Talent Management Jennifer Garrett participated in the Association of Research Libraries' Leadership and Career Development Program; Associate Head of Information Technology Mike Kastlelec attended the Center for Creative Leadership's Leadership Development Program; Department Head of Information Technology Emily Lynema was selected to attend the Council on Library and Information Resources' Leading Change Institute. In addition, many library faculty members delivered presentations at professional meetings and published their scholarly work.

V. Recommendations and concerns for the future

Academic Success Center at the D. H. Hill Jr. Library

The Libraries looks forward to the opening of Academic Success Center at the D. H. Hill Jr. Library in fall 2020 and to welcoming students and faculty into the new, technology-rich Libraries spaces to be created as part of that project. The construction process will be underway during the entire 2019-20 academic year, and we recognize that extensive communication with our user community will be needed regarding the status of any building disruptions and the

progress of the project overall. We will do our best to mitigate construction-related disruptions to library use during this time.

We will collaborate with DASA to enrich the student experience through our complementary services and spaces, offering immersive technologies, making and innovation services, collaborative learning and research spaces, and community-engaged programming to enable experiential teaching and learning. As a whole, this inclusive, forward-looking project has significant potential to become a model in higher education.

Other Renovation Projects at the Hill Library

In summer 2019, in cooperation with Campus Enterprises, we will begin a design study for an enlarged and rebranded coffee shop and café on the first floor of the west wing of the Hill Library that may also include other improvements. If constructed, this project will require the removal of existing study seating, perhaps including the entire Fishbowl Forum space. The Fishbowl Forum is a popular study and assembly space that is used frequently for events and programs. Although we have an opportunity to create a similar space on the third floor of the north bookstacks tower as part of the ASC project, for budget reasons neither the design nor construction of the replacement space is included in the ASC project at this time.

Sustaining the Research Collections

The Libraries faces the long-standing challenge of sustaining a strong research collection while losing at least \$550,000 a year in buying power due to inflation. After years of state budget reductions, despite our serious efforts to protect the collections, NC State continues to fall behind our peer institutions on expenditures for these shared, core resources that are integral to learning and research and that support the university's competitiveness and success. Moving up from the bottom third to at least the average of the university's peer group in collections expenditures remains a high priority.

Advancing Research Infrastructure and Services Through University Partnerships

We will continue to collaborate with university partners to consult on and contribute to the development of services, infrastructure, and integrations that enhance researcher productivity and the discoverability of NC State's research output. Areas of focus include promoting access to OIT's research data storage service, exploring integrations between our ORCID service and other campus reporting systems, and developing a research data curation service in the Libraries.

**North Carolina State University Libraries
Annual Report, 2018-19
Volume of Activities
(18-19, 17-18, 13-14, 08-09)**

Library Services

| Year | User Visits to Libraries (a) | Total Circulations (b) | Instructional Sessions/Students | Reference Transactions | Total Technology Lending/Laptops |
|-------|------------------------------|------------------------|---------------------------------|------------------------|----------------------------------|
| 18/19 | 2,466,234 | 408,333 | 1,197/26,789 | 29,512 | 309,058/45,719 |
| 17/18 | 2,547,617 | 466,452 | 1,109/21,550 | 32,339 | 322,248/57,474 |
| 13/14 | 2,398,255 | 790,648 | 749/20,260 | 37,428 | 290,910/108,447 |
| 08/09 | 1,706,897 | 768,463 | 417/11,092 | 32,585 | 108,411/72,186 |

Library Services (continued), Expenditures, and ARL Ranking

| Year | Items Loaned to External Organizations | Items Borrowed from External Organizations | Expenditures on Library Materials (\$) (c) | Total Library Expenditures (\$) (c) (d) | Association of Research Libraries (ARL) Ranking (e) |
|-------|--|--|--|---|---|
| 18/19 | 18,662 | 27,155 | \$12,125,516 | \$37,657,029 | N/A |
| 17/18 | 18,122 | 24,201 | \$12,563,347 | \$36,047,384 | 32 |
| 13/14 | 14,854 | 28,722 | \$10,679,211 | \$31,897,442 | 37 |
| 08/09 | 19,495 | 27,229 | \$9,676,210 | \$28,483,805 | 41 |

Library Spaces and Services

| Year | Hunt Dataspace Station Logins | Hill Makerspace Total Uses | Hill Virtual Reality Space Uses | Hill and Hunt Digital Media Spaces Reservations | Hill and Hunt High-Tech Space Uses |
|-------|-------------------------------|----------------------------|---------------------------------|---|------------------------------------|
| 18/19 | 8,311 | 11,162 | 2,230 | 10,465 | 242 |
| 17/18 | N/A | 9,572 | 1,819 | 14,074 | 342 |

Collection Statistics

| Year | Volumes in Library | Volumes Added (Gross) | Serial Subscriptions | E-Resources Owned/Leased (f) | Overall Use of the Collection |
|-------|--------------------|-----------------------|----------------------|------------------------------|-------------------------------|
| 18/19 | 5,328,042 | 206,741 | 122,383 | 1,353,454 | 16,428,852 |
| 17/18 | 5,273,930 | 323,221 | 127,658 | 1,257,778 | 16,492,719 |
| 13/14 | \$5,120,491 | 200,975 | 77,518 | 1,008,923 | 13,022,748 |
| 08/09 | 4,158,190 | 78,480 | 63,271 | 460,884 | 6,761,524 |

- a) Effective July 1, 2016, door counts at the Hunt Library were transitioned from turnstile counts (interior, at the entrance to the library) to building counts (at the building doors on Partners Way and The Oval). The slight decrease in User Visits from 2017-18 to 2018-19 is due to three factors: building closures during Hurricane Florence in fall 2018; one fewer day of final exams in spring 2019; and the closure of the Brickyard doors to the Hill Library in May 2019.
- b) Includes circulation of reserve materials, both print and electronic.

- c) Amount reported to ARL includes NC LIVE and library-related expenditures made by NCSU colleges and units outside of OUC 25.
- d) Excludes benefits.
- e) Currently ARL's membership includes 114 academic libraries.
- f) E-books, e-journals, and e-databases; includes NC LIVE resources, starting in 2000/01.

11/9/23: Revised version with corrected numbers of “programs and events” in the first item under Goal 5 on page 8, and of “Instructional Sessions/Students” for 2018/19 in the “Library Services” table on page 12.