



14-15

ANNUAL REPORT

2014-2015

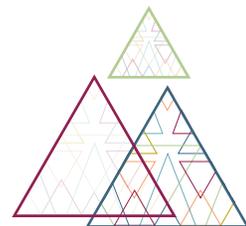
VIRGINIA TECH'S UNIVERSITY LIBRARIES

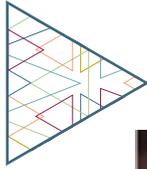


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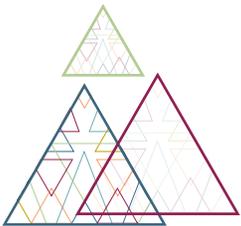
## NOTE FROM THE DEAN



The University Libraries are rapidly advancing toward the library system that Virginia Tech needs to become an increasingly vital, global land-grant university.

At the beginning of this fiscal year, the Libraries restructured to better align programs and people with the goal of deeper engagement with research, teaching, and learning. Library facilities are undergoing marked change to provide the learning environments and services needed by 21st century students. These renovations include the completion and opening of three Institute for Creativity, Arts, and Technology (ICAT) multimedia studios in Newman Library, two redesigned classrooms with improved technology support, movable furniture, and custom classroom setups, a new second floor lobby with a large video wall showcasing student and faculty activities, and the refreshed second floor learning commons along the curved side of Newman Library. The multipurpose room on the first floor is reaching its potential, with over 140 academic events hosted this year ranging from student posters, invited scholarly speakers, workshops, and digital exhibits. Drastic renovations of our learning spaces will continue in 2015-2016.

The Libraries are developing leading programs in digital curation, research data management, technology development, informatics, and scholarly communication. We continue assessing and learning about Virginia Tech's digital research processes and projects to better support and elevate the research produced at Virginia Tech. Our assessments guide new programs and collaborations with researchers and faculty members across campus. We also are providing national leadership through my role as director of the SHARE program, with several leaders from our libraries contributing to this groundbreaking project that aims to create a comprehensive inventory of research that is widely accessible, discoverable, and reusable. We are rapidly improving Virginia Tech's research information platform out of component systems such as faculty activity reporting, digital repositories, researcher profiles, and author/researcher ID systems. This initiative is a partnership with the Office of Research, Office of the Provost, and the VP for IT with many additional units providing valuable support and feedback. We received five research and development grants, funded 109 Virginia Tech authors through the Open Access Subvention Fund, produced over 500 articles through the Libraries' scholarly journal production program, and saw the VTechWorks repository reach 41,000 held items and nearly 6 million downloads. These programs are reaching new levels of success in producing, curating, and disseminating Virginia Tech researchers' unique findings. The Libraries are looking to the future with a new prototype research data repository that should be online in 2016.





## NOTE FROM THE DEAN *CONT.*

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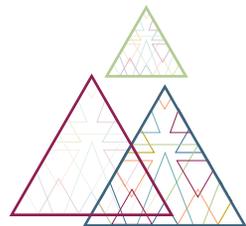
New library units including Learning Services, Data Services, and Scholarly Communication, along with well known units such as Special Collections, contributed to the advancement of student learning and skill-building. Forty-nine students completed the inaugural Advanced Research Program with the Undergraduate Research Program, a unit of the Provost's Office. We continue to develop our bootcamp-style educational programming for diving into complex skill areas. Our graduate student data management bootcamp continues to see such success that we developed a mini data management bootcamp to accompany it. We also have launched the brand new scientific writing bootcamp for CALS graduate students and made improvements to the Libraries' teaching activities in English 1106 (first year composition), GRAD 5124 (library research skills), and the First-Year Experience program. We also taught over 1,000 students about the use of special collections materials in their research and class projects. As we look forward to the future, we see a need to support the many new forms of instruction and digital learning content developed at Virginia Tech. We are actively transforming our programs to meet these needs.

The Libraries are making significant progress in expanding access to collections, print and online. We participate in important shared print programs within Virginia and the Southeast region of the U.S. We scanned nearly 2,000 public domain books and Virginia Tech theses and dissertations for the VTechWorks repository. More online packages were made available, such as the Web of Science back files and Rosetta Stone online. In 2014-2015, the Libraries had 2.8 million journal article downloads, an increase of 174% over the past seven years. The use of purchased, subscribed, and licensed collections continues to grow at Virginia Tech, as is the case at many universities.

Important programming is underway to support the Virginia Tech community's aspiration of becoming as inclusive and diverse a community as possible. Through the Diversity Alliance program, we founded a resident librarian program with three other universities. We also partnered with the libraries of Cape Peninsula University of Technology in Cape Town, South Africa to begin an exchange program. The University Libraries are mindful that as Virginia Tech grows to global land-grant status, it must reflect the diversity of the world it engages with and serves.

The year has been one of critical developments for this modern, emerging information and data services organization at Virginia Tech. We invite every member of the Virginia Tech community to engage us and share your teaching, learning, and research experiences. We are here to do all we can as a partner in enhancing your already excellent efforts.

Tyler Walters  
Dean, University Libraries and Professor





# MISSION, VISION, AND ASPIRATIONAL QUALITIES

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## MISSION

We enable people to cultivate ideas, develop capacities, and create knowledge. Users do this through the University Libraries' provision of collections, expertise, services, and environments.

## VISION

We aspire to transform the way people experience knowledge. We do this by providing new ways to discover, access, create, sustain, and share information. The Libraries aim to advance learning and research by enabling new types of questions to be asked, new forms of scholarship to be produced, and previously unimaginable problems or solutions to be explored.

## ASPIRATIONAL QUALITIES

OPENNESS: We design pathways to information, access, ideas, and discovery.

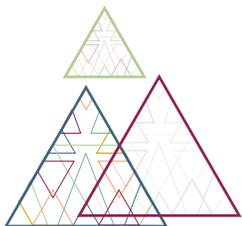
CURATION: We collaborate with people in producing, disseminating, preserving, and using information and data.

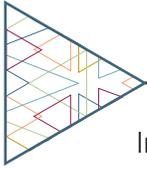
CREATION: We enable people to design, make, and express their ideas.

COMMUNITY: We bring people, ideas, and resources together.

CATALYST: We ignite people's curiosity and sense of possibility.

KNOWLEDGE: We stimulate creative, cultural, social, and intellectual endeavors.





# SUMMARY OF THE UNIVERSITY LIBRARIES STRATEGIC PLAN

In the summer of 2012, the University Libraries engaged in a strategic planning process for 2012-2018. This effort strived to align library endeavors with the university's long range plan, as well as to provide vision for library employees on new strategic directions. We continue to use these themes to guide our efforts as we support the university.

Here is a brief summary of the overarching themes:

## LEARNING SPACES

Knowledge, technology, and the social aspects of learning come together at the library. We provide technology-rich inspiring and aesthetically pleasing spaces that cultivate learning, collaboration, and research.

## RESEARCH AND CURATION

The Virginia Tech Libraries support all aspects of research augmented by information technologies, at any scale, regardless of domain; we curate the products of all research and scholarship. Exchanging ideas and data helps to advance discoveries and inspire creativity.

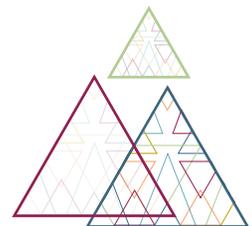
## TEACHING, LEARNING, AND LITERACIES

We prepare Virginia Tech students to work, live, and be part of a global community. The Libraries enhance teaching and learning by exposing students to practical skills, theory, and experiences resulting in competitive advantages in the job market, greater civic engagement, and cultural enrichment.

## COLLECTIONS ACCESS

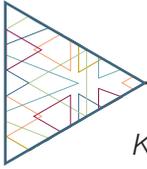
The Virginia Tech Libraries are dedicated to making our collections electronically accessible for local and global usage and to enabling open access to locally produced scholarship. We are committed to making the discovery and use of information efficient, quick, and seamless to our users.

*This annual report describes the University Libraries' accomplishments from 2014-2015 as they relate to our strategic themes and goals. The report also includes our Administrative Quality and Improvement (AdQI) efforts. In addition, the report identifies select goals we have set for 2015-2016 as we continue to support our strategic plan as well as the university's long range plan.*



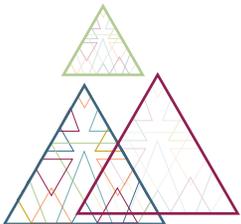
# SIGNIFICANT STRATEGIC ACCOMPLISHMENTS, 2014-2015

## THEME ONE: LEARNING SPACES



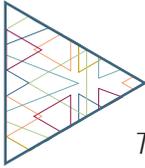
*Knowledge, technology, and the social aspects of learning come together at the library. We provide technology-rich inspiring and aesthetically pleasing spaces that cultivate learning, collaboration, and research.*

- Renovated the second floor commons including paint, carpet, electrical upgrades to add outlets, and new furniture
- Transformed the lobby into a more modern, welcoming space with a video wall for displaying information and engaging visitors
- Completed and opened three Institute for Creativity, Arts, and Technology (ICAT) studios on the first floor
- Redesigned classrooms 3310 and 207A, which now feature moveable furniture, whiteboards, and technology support, allowing instructors to customize their classroom
- Began planning for a 3D printing/prototyping lab, a learning design studio, a set of interdisciplinary project studios, and a faculty study lounge
- Designed additional commons area renovations for the second and fourth floors
- Improved the user and learner experience through expansion of the student service team, enhancing furniture arrangement practices, streamlining facilities and housekeeping, and better assessing spaces
- Between July 2014 and June 2015, nearly 49,000 volumes were removed from Newman Library stacks to create additional learning spaces
- Worked with National Capital Region to develop a MakerSpace lab
- Hired a Multimedia Technician in IT Services to manage digital signage software throughout the building and provide technology support in classrooms
- Transformed our commons several times throughout the year to host interactive Course Exhibition Initiative exhibits:
  - Lincoln in Our Time, a partnership with HIST 2984, Abraham Lincoln: The Man, the Myth, the Legend
  - Photography in Focus, a partnership with ART 1004, Digital Photography (Studio Art for Non-Majors)
  - Thinking Environmentally, a partnership with ENSC 1015: Foundations of Environmental Science
  - We're Going Places: Travel Poster Exhibition, a partnership with ART 2575, Introduction to Graphic Design II
- Hosted over 140 events in our Multipurpose Room, ranging from visiting artists and cultural celebrations to college showcases, a VT Authors celebration, and digital humanities workshops



# SIGNIFICANT STRATEGIC ACCOMPLISHMENTS, 2014-2015

## THEME TWO: RESEARCH AND CURATION



*The Virginia Tech Libraries support all aspects of research augmented by information technologies, at any scale, regardless of domain; we curate the products of all research and scholarship. Exchanging ideas and data helps to advance discoveries and inspire creativity.*

The Research and Informatics division of the University Libraries continues to assess research on campus and research policies affecting our university. This year, the division has been actively evaluating how to best support research on campus as well as staying apprised of federal funding acts, mandates, and policies that will change the way research is managed, stored, and accessed.

The following accomplishments highlight this work:

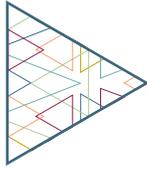
- Designed and completed three data-related assessment projects to offer responsive digital data and scholarship services and infrastructures including:
  - A university level study, “Strategic Planning for a Data-Driven, Shared Access Research Enterprise: Virginia Tech Research Data Assessment and Landscape Study,” completed with a 25.8% response rate and 64.9% survey completion rate
- A College of [Natural Resources and Environment assessment project](#) involving interviewing 15 forestry faculty members about data practices, which we will use to inform development of our consultative services and repository systems
  - A geospatial data assessment project
- Continued involvement in the demand for public access to federally funded research
  - Engagement in Fair Access to Science and Technology Act (FASTR) legislation and the Shared

Access Research Ecosystem ([SHARE](#)), an organization seeking to provide open, networked, immediate access to research and data



SHARE is a North American higher education initiative being led by VT’s Dean of University Libraries; it is a joint program of the Association of American Universities AAU), Association of Public and Land-grant Universities (APLU), and the Association of Research Libraries (ARL)

- On campus, we have served as leaders in policy evaluation and revision in response to federal mandates and other initiatives. We contributed to:
  - The Commission on Research’s review of Policy 13015
  - The Virginia Tech Intellectual Property (VTIP) Committee’s revisions to policy 13000
  - Leading conversations in faculty senate about [journal impact factors](#)
  - Outreach on open access issues, which led to an invitation to join an Office of the Vice President for Research (OVPR) leadership group meeting to discuss support of faculty impacted by the National Science Foundation public access policy



# SIGNIFICANT STRATEGIC ACCOMPLISHMENTS, 2014-2015

## THEME TWO: RESEARCH AND CURATION *CONT.*

- Collaborated with VTIP to offer consulting hours in Port: digital research commons. Descriptions of this partnership are available in the [Roanoke Times](#), [Ubiquitous Librarian](#) blog, and VTNews.
- Secured \$178,214 in external funding to support research and innovation in digital preservation, digital resource development, and repository software development:
  - “ETDPlus: Preserving & Curating ETD Research Data & Complex Digital Objects.” (Institute of Museum and Library Services, National Leadership Grant for Libraries, \$250,000) 2014-2016. Educopia Institute, University of North Texas, University of Tennessee, Penn State University, Purdue University, Virginia Tech.
  - “Development of an Interactive Human Body Digital Reusable Learning Object (RLO) to Provide Whole Body Systems-based Learning in Vitamins and Minerals.” (4VA, \$22,000) 2015-2016.
  - “Archiving Transactions Towards Uninterruptible Web Service.” (Columbia University Libraries/ Information Services Mellon Grant for Collaborations in Web Archiving Web Incentive Award, \$25,000) 2014-2015.
  - Amazon Teaching Grant. (Amazon Web Services usage credit, \$5,000) 2015-2016.
  - XSEDE Startup Grant for the Goodwin Hall Live Lab project. (XSEDE: Initial allocation: TACC Stampede 25,000.0 SUs and TACC Ranch 500.0 GB) 2015-2016.

Through a partnership with the Office of the Senior Vice President and Provost, Institutional Research, OVPR, and IT,

we have been contributing to the development of an integrated faculty activity reporting, repository, and researcher profile service. Accomplishments related to Virginia Tech’s research information management network include:

- Symplectic Elements Implementation, replacing Digital Measures (DM): We served on the implementation team, provided application and technical support, and migrated legacy DM data into Elements (5,000 DM publications of over 500 VT faculty members, 120,000 unique teaching activities representing 10 years of Banner teaching data, and 1,500 Office of Sponsored Programs grant award records).
- VIVO Implementations: Since completion of the pilot project, we gave stakeholders a demonstration populated with 3,000 basic faculty profiles. With support from the VIVO stakeholders committee, we moved forward with VIVO as VT’s researcher networking platform, installed the Elements VIVO Harvester, and tested performance with positive results. We are now one of five institutions involved in a VIVO-based Southeastern Universities Research Association federated research enterprise database project.
- Networked Research IT Infrastructure: We contributed to the development of an Advanced Research Computing NSF Campus Cyberinfrastructure grant proposal, which, if funded, will offer infrastructures to facilitate data transfer into library repository and curation environments
- ORCID Service: We signed an ORCID agreement to create and – with individuals’ permission – establish ORCID profiles for VT researchers.

# SIGNIFICANT STRATEGIC ACCOMPLISHMENTS, 2014-2015

## THEME TWO: RESEARCH AND CURATION *CONT.*



To help researchers become more familiar with recently introduced data, repository, and publishing services, we increased our data and scholarly communication outreach efforts. Projects include:

- Completion of three new data management guides:
  - [Research Data Management](#)
  - [National Science Foundation requirements](#)
  - [National Institute of Health requirements](#)
- Further development of our [Open Educational Resources](#) guide
- Presented on data services to the Office of the Vice President for Research's Proposal Development Institute's (PDI) participants
- Met with department heads in Engineering and attended several faculty meetings to raise awareness of our new data and informatics services
- Promoted open access services and open publishing activities through:
  - [Open Access Week](#), consisting of keynote speaker Brian Nosek (cofounder of the Center for Open Science), eight open access workshops and panels
  - [Open Data Day](#), a partnership with Code for NRV featuring sessions on GIS, public policy data, and journalism data
  - [Open Education Week](#), a partnership with Technology-enhanced Learning and Online Strategies (TLOS), Center for Instructional Development and Educational Research (CIDER), and the Student Government Association to highlight the growing movement toward open educational resources, including open textbooks
  - Providing two student travel scholarships to OpenCon in partnership with the Graduate School

Reinforcing our core digital library infrastructure to support more complex digital objects and their relationships has been a key priority this year. Developing research partnerships through informatics projects allowed us to support faculty members and better understand the types of challenges researchers face with data. In this area, we accomplished the following:

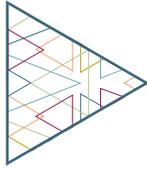
- Developed a data repository prototype, tested the prototype with stakeholders to identify gaps in service, determined deposit workflow considerations, wrote deposit agreement language, and completed performance testing
- [Developed data collection software for the VT-SIL Goodwin Hall project, enabling the research team to retrieve raw sensor data from the building data acquisition units](#)
- Participated in the Fedora open source software development community

In addition to these accomplishments, we continue to provide many types of consultative and digital curation services:

- We offer services that support faculty, staff, and students interested in making their digital scholarship freely available online.
  - [With support from the Provost's Office, we awarded \\$49,711 to subsidize open access fees for 48 approved scholarly, peer-reviewed articles as part of the Open Access Subvention Fund](#)
- We expanded journal and conference proceedings publishing services, partnered with Continuing and Professional Education, and developed software to enable integration with external services
  - [Legacy journal publishing operations included 34](#)

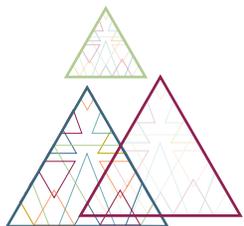
# SIGNIFICANT STRATEGIC ACCOMPLISHMENTS, 2014-2015

## THEME TWO: RESEARCH AND CURATION *CONT.*



new journal issues and 520 articles posted

- Made technical developments to improve the user experience and provide persistent links to digital content
- Began publishing [SPECTRA](#), partnered with CLAHS on a Spanish language and literatures journal, and worked with Ruth Waalkes, Center for the Arts, to bring the journal [PUBLIC](#) to Virginia Tech from Syracuse
- The institutional repository, VTechWorks, continues to grow
  - Grew from 3,800 items to 41,631
  - 220% increase in usage
  - Over 5.8 million item downloads
- Data management and data consultative services also expanded this year
  - 130 data management and discovery consults with faculty, staff, students, and members of state and national communities on data discovery
  - Acquired and served 344GB of geospatial data to Virginia Tech
  - Assisted faculty with data management and provided best practices for implementing plans and depositing datasets in VTechWorks
- Digital preservation service activities this year included library-wide preservation service planning and digital curation/preservation infrastructure development and management
  - Tested servers and added 4,000 archival units to the Lots of Copies Keep Stuff Safe (LOCKSS) server
  - Created and tested servers for the Academic Preservation Trust (APTrust)
  - Implemented a Dark Archive for hosting files solely for preservation in partnership with the MetaArchive Cooperative



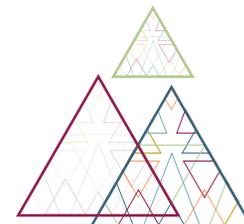
# SIGNIFICANT STRATEGIC ACCOMPLISHMENTS, 2014-2015

## THEME THREE: TEACHING, LEARNING, AND LITERACIES



*We prepare Virginia Tech students to work, live, and be part of a global community. The Libraries enhance teaching and learning by exposing students to practical skills, theory, and experiences resulting in competitive advantages in the job market, greater civic engagement, and cultural enrichment.*

- Engaged with over 70% of ENGL 1106 (First Year Composition) sections through increased partnership with instructors
  - Switched from a one-time workshop to flipped classes, game-based activities, drop-in research studios, and train-the-trainer models
- Coordinated the Advanced Research Skills program with the Provost's Office.
  - 46 undergraduates completed the program, which included sessions on data, citation management, proposal writing, designing research posters, publishing, and open access.
- Representatives from the library attended town halls and curriculum committee meetings for the new Pathways to General Education program, particularly supporting the following learning outcomes:
  - Discover and comprehend information from a variety of written, oral, and visual sources
  - Analyze and evaluate the content and intent of information from diverse sources
  - Develop effective content that is appropriate to a specific context, audience, and/or purpose
- Exchange ideas effectively with an audience
- Assess the product/presentation including feedback from readers or listeners
- Drafted new programmatic outcomes based on changes to the new Pathways program
- Continued to support the First Year Experience program
  - 4,700 students took these courses, all of which were supported by librarians
- Began redesigning GRAD 5124, a for-credit introduction to research course
  - More than 10 librarians are collaborating on this course, which will be one of the first in the new Learning Management System, Canvas. In future sessions, the course will be openly available to anyone regardless of enrollment.
- Developed plans for a Learning Design Studio to be open to all faculty in Fall 2016
  - The studio will serve needs related to the development and production of online learning objects, and allow us to partner with instructors on shaping digital content for courses
- Assembled a Web Learning Environments team to develop content and customize applications for teaching and learning
- Provided 46 sessions on Special Collections to graduates and undergraduates, reaching 1,071 students



# SIGNIFICANT STRATEGIC ACCOMPLISHMENTS, 2014-2015

## THEME FOUR: COLLECTIONS ACCESS



*The Virginia Tech Libraries are dedicated to making our collections electronically accessible for local and global usage and enabling open access to locally produced scholarship. We are committed to making the discovery and use of information efficient, quick, and seamless to our users.*

While seeking to make our collections electronically accessible, we also recognize the need to maintain useful, unique, and relevant printed collections. To ensure that these collections are maintained yet do not take up limited storage space, we worked with the Last Copy Video and Monographic Print Analysis projects with the Virtual Library of Virginia (VIVA), the Association of Southeastern Research Libraries' (ASERL) Scholars Trust program for print journals, and ASERL's Collaborative Federal Depository Program's Centers of Excellence for U.S. government documents. Our contributions to these programs are as follows:

- Identification of 13,000 monographs and 4,000 VHS titles uniquely held within Virginia, which are being reviewed for potential long-term preservation
- 354 titles and 12,714 volumes in Scholars Trust
- Signed Memorandum of Agreement for Agricultural Research Service (SuDoc stem A77) Center of Excellence and began identifying items for retention

Additional collections accomplishments include:

- Provided a web-based version of Rosetta Stone
- Negotiated a discount on Web of Science backfiles
- Scanned 500 monographs and added them to VTechWorks
- Scanned and added 1,299 dissertations to VTechWorks
- Partnered with the College of Architecture and Urban Studies to offer the [Marco Frascari Collection](#) at the

Washington Alexandria Architecture Center, which is now available through Addison, Summon, and the WAAC online library catalog

- [Interlibrary Loan processed over 5,900 requests for extended campus users, which was over 7% more than the previous year](#)
- Accessioned 75 new additions to Special Collections, totaling 121 cubic feet and 165Mb of electronic records
- Submitted approximately 90 EAD finding aids to Virginia Heritage and updated more than 200 other finding aids already in Virginia Heritage
- Special Collections also processed the Benjamin Peck Diaries, 1864-1865. The collection includes two Civil War diaries of Captain Benjamin M. Peck of the 141st Regiment, Pennsylvania Infantry and later, the 1st U.S. Sharp Shooters. The diaries span 1864 and 1865, and document Peck's experiences traveling from Pennsylvania, his service (which took him to major battles in Virginia), and his eventual return home to Towanda, PA.
- Processed and completed an inventory of the Pocahontas Mines Collection (CONSOL)
- Focused on building Special Collections in areas that have the greatest potential to enhance our existing collections, improve teaching and research at Virginia Tech, and attract research interest from the scholarly community. Some of the new acquisitions during the past year include the following:
  - Blacksburg Baptist Church Records, 1890s-1970s
  - Joseph P. and Margaret James Collection, a Civil War era collection with correspondence and photos from the 1860s
  - Linda Kiisk Collection, 15 feet of material from the

# SIGNIFICANT STRATEGIC ACCOMPLISHMENTS, 2014-2015

## THEME FOUR: COLLECTIONS ACCESS *CONT.*



professional career of the Bay Area architect and educator

- Additions to the International Women in Architecture collection
- Glass plate negatives commissioned by Carneal &

Johnston of buildings and planned buildings on the Virginia Tech campus, ca., 1910s.

- Enhanced digitization services and added items to the Omeka site, a web site that exhibits the digital versions of Special Collections' holdings

## DEVELOPMENT HIGHLIGHTS



- 2,700 personal contacts with donors and prospects
- 134 donors made first gifts to the University Libraries
- Received a \$50,000 pledge to create an endowment in support of Undergraduate Research through

the University Libraries. This is the first endowment of this type for the libraries

- Two annual gifts of \$25,000+ for the Library Excellence Fund
- Received a gift from a retired faculty member to support Finals

Week special event; used to purchase equipment that allowed staff and volunteers to make and serve 3,000 grilled cheese sandwiches and other food to students

## INCLUSION AND DIVERSITY-RELATED ACCOMPLISHMENTS



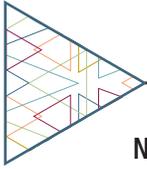
- Partnered with University of Iowa, American University, and West Virginia University to develop the Diversity Alliance Initiative
  - As a part of this initiative, we created and hired a Resident Librarian position
- Participation in the InclusiveVT program through events such as

the Living Library, an event where people sit in the library, posing as books and telling their stories to others to engage in an open, honest dialogue about life experiences

- Several faculty and staff members attended "InclusiveVT: A New Approach to Inclusion and Diversity

Information Forum"

- Several faculty and staff members attended Advancing Diversity at Virginia Tech, January 2015
- Some faculty and staff completed the Diversity Development Institute's "Diversity Ally" certificate program



# SUMMARY OF PERSONNEL UPDATES

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## NON-STUDENT WAGE:

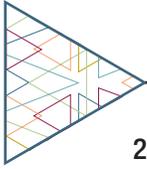
4 total  
4 women  
4 Caucasian

## SUPPORT STAFF:

8 total  
3 women, 5 men  
8 Caucasian

## FACULTY:

17 total (does not include staff to faculty conversion position without searches)  
11 women, 6 men  
13 Caucasian, 3 Asian, 1 Black



# ADMINISTRATIVE QUALITY AND IMPROVEMENT (AdQI)

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## 2014-2015 ASSESSMENT PRACTICES

### *Engagement with the First-Year Writing Program*

After deeply evaluating our interactions and effectiveness with first-year composition courses, we recognized a need to shift the programming of this partnership. Previously, a librarian led a one-time workshop with students in first-year composition courses, introduced them to library resources and support, and provided contact information about the library for various kinds of reference questions and research support.

In Spring 2015, we implemented a successful pilot that resulted in increased interaction with students in ENGL 1106 and H1204, testing alternative learning methods such as flipped classrooms, “train the trainer” sessions, and open research studios. Through implementation of our new menu of instruction options, we engaged with 71% of ENGL 1106 and ENGL H1204 classes during the Spring 2015 semester.

Through evaluating the Spring 2015 pilot, we identified several opportunities for growth that we will explore in order to further develop and improve engagement with first-year writing courses.

### *Survey of National Capital Region Visitors*

The Northern Virginia Center Resource Center conducted a survey of visitors to its library in order to receive feedback about its spaces, services, and resources. The survey provided valuable feedback about how students from Virginia Tech use this branch library, including why they come to the library, how long they stayed, how often they typically come, what they usually do in the library, and an open comment section.



## ADMINISTRATIVE QUALITY AND IMPROVEMENT (AdQI) *CONT.*

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Many respondents were appreciative of the group study rooms, indicating a possible need for additional commons and meeting areas similar to current renovations at Newman Library. An overwhelming amount of students indicated that they typically used the library for study rooms, study areas, whiteboards, and as a place to complete homework, further supporting the need for commons and study space.

Many students also indicated they had consulted with reference, circulation, or other staff and used the printers, scanners, and photocopiers.

This assessment was one of the first of its kind conducted at the NVC Resource Center, which is unique from campus libraries in that it is a satellite library. The survey will help guide improvements and decisions regarding spaces, services, and resources at the Resource Center.

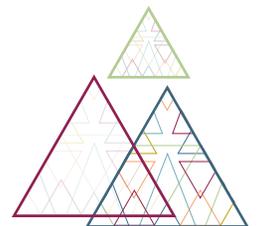
### *Assessment in Action: Our Search Engine and Graduate Research*

The Assessment in Action (AiA) program is based on the Association of Colleges and Research Libraries' 2011 IMLS Collaborative Planning Grant. Librarians who participate in the AiA program will lead their campus teams in the development and implementation of an action learning project examining the impact of the library on student success and contributing to assessment activities on their campus.

This year, the AiA team and its members at Virginia Tech surveyed graduate students about Summon, a library search engine and discovery system. The team hoped to evaluate whether Summon meets the information literacy needs of graduate students, identify how effectively and efficiently graduate students are able to access information through Summon, and identify any barriers to accessing information graduate students experience when using Summon.

The survey received responses from 93 graduate students, 57 academic faculty, 50 undergraduate students, 15 non-academic faculty members, 11 staff employees, and 10 other individuals. The team also met with 8 focus groups comprised of 35 graduate students, 11 undergraduate students, 6 faculty, and 4 staff.

The Assessment in Action team is currently evaluating the data and will move forward with recommendations regarding graduate students' use of Summon and how we can improve their experience.





## GOALS AND OUTCOMES: 2015-2016

GOAL 1: INCLUSION AND DIVERSITY–RELATED INITIATIVES	
Goal	Advocate for a variety of diversity related issues on campus to contribute to the InclusiveVT plan.
Outcome	Increase the number of diversity initiatives supported by the libraries, including partnerships with campus groups.
Measure	The number of initiatives, events, and collaborations with others on campus
Target	Contribute to more than four diversity initiatives
Documentation	Report on the initiatives through the University Libraries Diversity Council.

GOAL 2: ENVIRONMENTAL SCAN AND NEEDS ASSESSMENT WITH VETERINARY MEDICINE COMMUNITY	
Goal	Through surveys, interviews, focus groups, and conversations, two librarians will assess space, services, and collections for the Veterinary Medicine community, including their Masters of Public Health program.
Outcome	Gather adequate data and feedback to inform the improvement of our Veterinary Medicine library, as well as collections and services for these programs.
Measure	The number of stakeholders interviewed, surveyed, and in focus groups
Target	Not yet determined
Documentation	Results from surveys, interviews, and focus groups, as well as notes from general interactions and conversations.

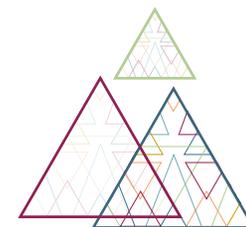
GOAL 3: IMPLEMENTATION OF NEW FACULTY ACTIVITY REPORTING SYSTEM AND RESEARCHER NETWORKING SYSTEM	
Goal	Continue to work with the Provost's Office as they invite three colleges or departments to use the system during Fall 2015
Outcome	Three colleges or departments will use the system, providing valuable feedback that will contribute to our implementation and communication plan
Measure	The number of departments successfully testing the system.
Target	Three departments invited to use the system have a successful interaction and provide helpful feedback that we can take into consideration for our implementation plan.
Documentation	The reports and recommendations created from testing documentation and feedback.



# APPENDIX 1: LIST OF NEW LIBRARY RESOURCES, 2014-2015

JOURNALS
Applied Environmental Education & Communication
Asian and Pacific Migration Journal
Cancer Gene Therapy
Cancer Research
Cancer Reviews
Childhood Obesity
Clinical Cancer Research
Clinical Pharmacology & Therapeutics
Current Medicinal Chemistry
Endocrine Reviews
Feminist Studies
Genes and Immunity
Health Affairs
Hypertension research
Immunology and Cell Biology
International journal for vitamin and nutrition research
International shipbuilding progress
Investigative ophthalmology & visual science
ISME Journal
Journal of algebraic geometry
Journal of Clinical Investigation
Journal of Family & Consumer Sciences
Journal of Human Genetics
Journal of Reproductive Medicine
Journal of visualized experiments. Clinical and translational medicine
Journal of Web Librarianship
Landscape research
Leibniz review
Leukemia
Middle East Development Journal

JOURNALS
Military Balance
Nature Reviews Cardiology
Nature Reviews Clinical Oncology
Nature Reviews Endocrinology
Papers of the Bibliographical Society of America
Resources for American Literary Study
Stem Cells Translational Medicine
Studies in Hispanic and Lusophone linguistics
Viral Immunology
Voprosy istorii
Washington Business Journal
Zeitschrift fur Philosophische Forschung





# APPENDIX 1: LIST OF NEW LIBRARY RESOURCES, 2014-2015

## JOURNAL ARCHIVES AND BACKFILES

Wiley Journal Backfile Collections: Chemistry Societies, Computer Science, History & Archaeology, Physics & Astronomy, Surgery

Oxford University Press archive: Medicine, Science, Social Science

Royal Society of Chemistry journal archive (2005-2007)

Journal of clinical oncology. Legacy Archives (1983-2003)

## DATABASES

Ancestry Library Edition

L'Annee Philologique

Loeb Classical Library

OnArchitecture

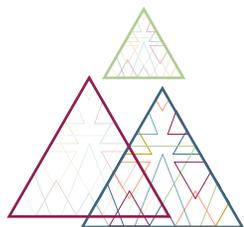
PsycTESTS

PsycTHERAPY

SAGE research methods cases

Turfgrass Information Center

U.S. Serial Set Digital Collection (Proquest)





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