The Next Page   Library and Information Technology

Spring 2014

The Next Page

Library and Information Technology

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WE DO DIGITAL SCHOLARSHIP!

by Andy Famiglietti, Digital Scholarship Coordinator | andrew.famiglietti@bucknell.edu

This Spring, the Bertrand Library launched a new public-facing space dedicated to digital collaboration, innovation, teaching, and research. This new space, named the Digital Scholarship Center (DSC), provides a comfortable and accessible space where members of the Bucknell community can collaborate on digital work, learn more about the best methods for employing technological tools in scholarly applications, and discover and experiment with emerging technologies.

Supporting Collaboration

The DSC is a space designed around collaboration. It is re-configurable, allowing it to be used for large discussions, small hands-on working groups, and a variety of working and meeting styles. Large format flat-screen video displays allow for digital work to be demonstrated, discussed, and worked on in real time. Video conferencing capabilities allow distant colleagues to collaborate on local projects. Diane Jakacki and Andy Famiglietti, Bucknell's Digital Scholarship Coordinators, are available to assist in developing effective methods of collaboration utilizing the space provided by the center. Since the launch of the center in February, it has been host to a variety of activities, including Faculty Learning Groups, digital project planning meetings, and technology demonstrations.

Integrating Digital Approaches

The DSC provides a space for the Digital Scholarship Coordinators, ITEC team members, and others to demonstrate promising methods for integrating digital tools and techniques into classes and research. Technological demonstrations allow members of the campus community to learn about tools they may not have been aware of and gain exposer to best practices for using these tools. Demonstrations of tools will be held weekly, and a schedule of these is available on the Bucknell Digital Initiatives website **(http://budi.blogs.bucknell.edu/dsc-schedule/)**. Up and coming technologies of interest include Marca, a web-based platform for writing instruction, and Spiderscribe, an online mind-mapping and brainstorming tool.

Exploring Emerging Technology

The DSC houses interesting, emerging technologies, making them accessible for faculty and students who want to experiment and get a sense for what is possible in teaching and research. The Digital Scholarship Coordinators provide support for this exploration, allowing members of the Bucknell community to get involved with cutting edge technology, regardless of their skill level. One of the most popular tools housed in the center is the library's Makerbot Replicator 2 3D printer, which allows faculty and staff to quickly and easily start learning about the possibilities opened up by 3D printing.

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the Next page

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FROM THE VICE PRESIDENT FOR LIBRARY AND INFORMATION TECHNOLOGY

Most of us, when we talk about our organizational successes and achievements, talk about our staff. Yes, I do have a great team, but today, I want to focus on Bucknell's Undergraduate Executive Intern program and the exceptional students it attracts. Over the past three years, I have had the privilege of working with three Executive Interns. The projects the Executive Interns have worked on have not only been rewarding for the students, but also have tremendously helped Library and Information Technology (L&IT) in our planning and assessment. For this issue, I asked my current Executive Intern, Kasha Scott '14, to share her experience of working in L&IT over the past year.

A bit of background about the Executive Intern program: the program is for highly motivated students dedicated to combining their academic development with the success of the University. Interns work closely with members of the Operations and Management Group and other senior administrators. The program creates opportunities for students to sharpen professional and interpersonal skills and builds relationships between administration and students, all while supporting the University mission. This academic year, there are twelve interns working in ten offices across campus.

Cheers, *Param*

KASHA SCOTT:

Throughout my Executive Internship, I have had the opportunity to work directly with Param Bedi, Vice President for Library and Information Technology, on a variety of projects addressing the strategic initiatives of both Library and IT and the University as a whole. The range of projects on which I worked was extensive, including everything from managing the L&IT social media presence to establishing a framework for Enterprise Risk Management implementation for L&IT. One of my favorite projects has been teaming up with the individuals from Instructional Technology and publicizing the Digital Scholarship offerings to prospective students.

Working on the Enterprise Risk Management project has also been very rewarding. I have learned about some of the challenges that L&IT is facing and how they are preparing for and mitigating potential risks. I will be moving into a career in Risk Management for the financial services industry after graduation, and my experience with L&IT has allowed me to consider risk from a different perspective.

I have thoroughly enjoyed my internship working at L&IT, especially working directly with Param and the rest of the team. I have gotten an "insider's perspective" on some of the major projects that are directing the future of L&IT, and I have been able to actively contribute to these initiatives. I appreciated gaining a better perspective of higher education as a whole, and I am excited to see where the skills and insights I learned are going to take me into my career after Bucknell.

"WE'VE HERD YOU"

by Brody Selleck, Instructional Design Librarian | bselleck@bucknell.edu

During the fall semester, Bucknell's Center for Campus Activities and Programs led a university-wide campaign to promote efforts to improve and enhance students' Bucknell experience. The "We've Herd You" campaign highlighted a wide range of actions from all corners of the university that included Bucknell Student Government bringing frozen yogurt to the Bison, adding more treadmills in the gym, and a number of Library and IT-oriented initiatives.

Some of the efforts made by Library and IT that were featured in the campaign included: extending library hours on Friday and Saturday nights, expanding options available through the Bison Laptop Program, moving computers into the quiet areas of the library, streamlining Research by Subject guides, installing phone charging stations in the library, and creating a more welcoming space for students to meet with librarians. In keeping with the spirit of the campaign, all of the above outcomes were prompted by feedback from students, and a number of the suggestions came directly from Library and IT's Student Advisory Group. This group, comprised of students from across the university, serves a variety of purposes, but what has proven to be most invaluable is that the group constantly pushes Library and IT forward. Either through suggesting new ideas or shining a spotlight on a current service that is not working, the group has been an essential partner in Library and IT's efforts to evolve our services, facilities, and resources to better support and enhance the Bucknell experience.

Of course, the conclusion of the campaign was not an endpoint. We've "herd" you, and will continue to hear you.

Bucknell's "We've Herd You" campaign: **bucknell.edu/x82969.xml**
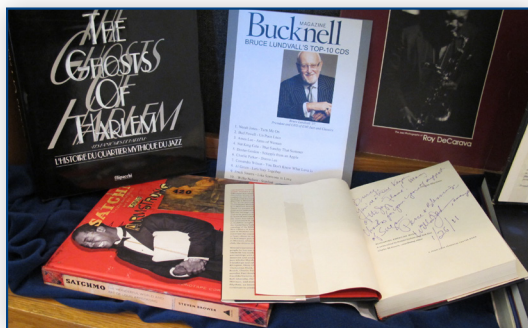
We've "herd" you, and will continue to hear you.

THE BEST EARS IN TOWN

by Jennifer Clarke, Director, Collection Development and Access Services | jclarke@bucknell.edu

The library recently received a wonderful gift of books from the personal library of distinguished alumnus Bruce Lundvall '57, former President/CEO of Blue Note Records, a major label that specializes in jazz recordings. Many of the books in the collection are signed by famous musicians, including Quincy Jones and Johnny Cash, and are a nice addition to the library's Special Collections. A quick search on the name, Bruce Lundvall, in our library catalog will display the list of titles.

For more information about Bruce Lundvall, check out the recently released biography, *Bruce Lundvall: Playing by Ear,* by Dan Ouellette (2014, ArtistShare). From the book: "In an astounding career spanning 48 years, Bruce Lundvall has been responsible for signing and/or nurturing the careers of a wide array of artists, including Willie Nelson, Herbie Hancock, Dexter Gordon, Stan Getz, Chucho Valdes, Paquito D'Rivera, Ruben Blades, Dianne Reeves, Richard Marx, Cassandra Wilson, Jason Moran, Anita Baker and Norah Jones."

OPEN EDUCATIONAL RESOURCES AND RESIDENTIAL LEARNING AT BUCKNELL

by Matt Gardzina, Director, Instructional Technology and Kathleen McQuiston, Director, Research Services & Information Literacy | matt.gardzina@bucknell.edu | kathleen.mcquiston@bucknell.edu

In Fall 2012, President John Bravman and Provost Mick Smyer appointed a Bucknell Task Force on Integrating Open Educational Resources (OER) and Residential Learning. Comprised of faculty, staff, and students, the task force was charged with exploring the role of open educational resources and hybrid learning at a residential liberal arts institution like Bucknell. The University has long seen in-depth faculty-student interaction as one of its educational strengths, so investigating the role OER could play proved to be a robust topic for further discussion.

As an integral part of their work, members of the task force reached out to Bucknell's faculty to discover how they are currently using technology in their teaching. The task force learned that in addition to using technology in innovative, creative ways, many Bucknell faculty also had a desire to use technology to create new educational content for students to use both in and outside of class. These major discoveries served as the blueprint for the task force's eventual report, Integrating Open Educational Resources and Residential Learning.

Using technology in innovative, creative ways

Since the report's release in April 2013, Library and IT staff have been busy building the foundations for many of its recommendations, including cultivating support for faculty interested in creating and using digital resources to enhance teaching and learning. One major recommendation encouraged further exploration of flipped classroom methodologies and their potential applicability to courses across the Bucknell curriculum.

Over the summer, Deb Cook-Balducci, Instructional Technologist for Students, led a team of Instructional Technology staff in testing screen capture software with a variety of devices such as tablets and laptops to create study modules for use in future flipped classrooms. Based on these results, three types of flipped classroom kits were developed. Comprised of convertible tablet laptops, Wacom Bamboo and Cintiq tablets, iPads, and web cameras, these kits are now available at the library equipment desk for faculty to check out and explore.

Early in the fall semester, Instructional Technology staff began demonstrating each of these kits to the approximately twenty-five faculty members involved in the Flipped Classrooms Faculty Learning Community. Founded through a partnership between the Teaching and Learning Center and Instructional Technology, this community encourages participants to experiment with different tools for flipping a current or future class and discussing their pros and cons for use in various contexts. Throughout the fall, faculty members learned about the different tools and how they might use them to match their specific learning goals. This spring, faculty in the group have begun to flip certain elements of their courses, and many have found that using these modules outside of class is a way to reclaim class time for more in-depth interactions.

The task force also recommended that Library and IT offer workshops and sessions with external experts on open education and digital pedagogy. During our New Horizons lunch series, faculty heard from Jason Mittell, Professor of American Studies and Film & Media Culture at Middlebury College, who spoke about how he released his latest book manuscript, *Complex Television*, serially on MediaCommons for open peer review and public comment prior to submitting it to NYU Press. Suzanne Kriegsman, Office for Scholarly Communication Program Manager at Harvard University, shared the compelling story of Open Access at her university and what it has meant not only for Harvard faculty, but also the wider world of academic researchers. Bucknell faculty also shared techniques for flipping classes with their peers, ways to implement a paperless and textbook-free classroom, and new methods for creating student projects and educational materials using text, audio, and video.

HOW YA GONNA CALL?

by Kathleen McQuiston, Director, Research Services & Information Literacy |
kathleen.mcquiston@bucknell.edu

This spring, Bucknell will be switching over to a much needed new phone system. After evaluating a number of options, Bucknell will install the Avaya Aura system. Avaya Aura is a Voice over IP (VoIP) system, running a Session Initiation Protocol (SIP) which allows for easy connection with the various components of the communications system. Rather than relying on wiring and electronic boards, the phones will now run on the same networking structure as computers and will benefit from the redundancy currently built into our computing network.

The new uniform communications system will integrate with Bmail (powered by Gmail) and deliver voice messages to one's inbox with an attached .wav file. We will also have some ability to integrate desk phones with mobile phones, so that one can receive a call on a desk phone number and answer it on a mobile phone when not in the office and vice versa. This feature will be a great benefit to Bucknell employees who are frequently traveling for business purposes.

Some locations on campus are already using the new phones and the new system will be completely operational across campus by June 30, 2014. This is not soon enough for Dan Malick, Assistant Director for Telecommunications at Bucknell: "The old Nortel system is fourteen years old, which is an eternity in terms of electronics. The parts are failing and can be hard to replace. We are excited about the new system and getting our equipment up to the 21st century."

IMPROVED WIRELESS ACCESS IN RESIDENCE HALLS

by Bud Hiller, Manager of Technology Desk | bud.hiller@bucknell.edu

In Fall 2013, Bucknell's networking staff overhauled the wireless network in Swartz Hall, one of our older residence halls. Due to the construction and layout of the building, Swartz residents have not been able to take advantage of the convenience of wireless in most of the rooms. The Tech Desk fields many calls each semester from students who are unable to get connected to any wireless network. Unfortunately, wireless signals are mostly impeded in Swartz because of the very thick block walls, so students are advised to simply use a standard ethernet cable to connect to Bucknell's network.

With this pilot project, Library and IT sought to significantly increase the wireless coverage in the building. Rather than depend on the 53 wireless access points (APs) in the halls, networking staff and students removed those and pooled them with an additional 56 APs. Then, after activating additional ports through work in the network closets, staff began a process of putting an AP in every other room in a 3D checkerboard pattern (along hallways and on the floors above and below).

Matt Williams, Assistant Director, Networking, who oversaw the project, has plans to finish Swartz this summer by moving some of the APs into the ceiling when HVAC work is being done and also improving the cabling and conduits. For those APs that can't be hidden, blinking LEDs on the APs have been disabled to keep from disturbing the students.

Vedder Hall is the next residence hall that will benefit from this process. Library and IT will be moving to a different wireless standard in several on-campus buildings this summer, including Dana Engineering and Bertrand Library, and as a result, many of the current APs in use in these buildings will be re-purposed in Vedder rooms.

CELEBRATING FACULTY SCHOLARSHIP

by Tracy Hower, Administrative Assistant to the Vice President for L&IT | tracy.hower@bucknell.edu

From Art History to Women's and Gender Studies, more than 160 published journal articles, exhibits, performances, films, and other faculty works were celebrated at the Faculty Scholarship Reception on February 26, 2014. Library and IT and the Provost's office co-sponsored the event to recognize and applaud the scholarship of 116 faculty members across 34 academic departments.

To honor both the memory and work of his colleague, Professor Wei Ge, Professor Emeritus Peter Kresl shared fond memories of traveling together to China and their lively, daily discussions outside Coleman Hall. Professor Ge had a very active publishing record prior to his death in the fall of 2013. His recent work, "The Chinese Currency and Global Rebalancing: A Discussion," published in *China: An International Journal,* was recognized as part of this year's scholarship celebration.

We applaud the scholarship of 116 faculty members across 34 academic departments.

Guests at the reception also heard remarks from Mark Haussmann, Associate Professor of Biology; Katie Bieryla, Assistant Professor of Biomedical Engineering; Neil Boyd, Associate Professor of Management; Coralynn Davis, Associate Professor of Women's and Gender Studies and Anthropology; and Amanda Wooden, Associate Professor of Environmental Studies. These faculty members shared their perspectives on the importance of undergraduate research as an introduction to faculty scholarship and the opportunity Bucknell provides to balance teaching and scholarship. Several speakers highlighted the work done by their students and acknowledged the many opportunities to get to know their colleagues through interdisciplinary research conversations.

A full list of works honored can be found at **facultyscholars.blogs.bucknell.edu**. Faculty authors who published books during the last year will be celebrated at the Author's Reception during the fall semester.

Rosalyn Richards
Title: Mirage
12" x 9 7/8"
Etching, 2013

FACULTY SCHOLARSHIP RECEPTION
Sponsored by Library & Information Technology and the Provost's Office

WEDNESDAY, FEBRUARY 26, 2014
4–6 p.m.

Bertrand Library
Traditional Reading Room

The scholarship reception recognizes Bucknell faculty members who have published journal articles, exhibits, performances, films and other works from 2012-2013.

NEW LIBRARY AND IT STAFF

by Carrie Pirmann, Social Sciences Librarian | carrie.pirmann@bucknell.edu

ROB KALETA, Assistant Director, Operations

Rob is the new Assistant Director, Operations, for the Enterprise Systems team. He came to Bucknell in November 2013 from Harrisburg Area Community College, where he worked for eight years as a database administrator. Prior to that, he worked at Weis Markets corporate office in a variety of roles, including application programming, database support, and network management. Rob grew up in the Shamokin, PA area and earned his B.S. in Computer Science from Shippensburg University. He views his position at Bucknell as a "tremendous opportunity for growth" and says he enjoys working within Library and IT because "the people are great; they really are the most knowledgeable and talented staff I've ever worked with." In his spare time, Rob enjoys golf, hunting, cheering on his sons at their baseball and football games, and anything related to sports, noting that his family vacations are even based around sports.

GUSTON BIRD, Network Administrator

Guston joined the Library and IT team in March 2014 as the Network Administrator. He received his B.S. in Information Technology from Pennsylvania College of Technology. While in college, he enlisted in the Pennsylvania Army National Guard as an Information Systems Technician. Guston has served in Afghanistan as an Information Management Officer and in Kuwait performing radio and IT-related communications work. Prior to coming to Bucknell, he worked for full-time for a year with the National Guard performing IT work, and, most recently, at Evangelical Community Hospital as a Network Engineer. He currently is also a Staff Sergeant with the 55th Armor Brigade Combat Team out of Scranton, where he is in charge of a team that supports the network and satellite systems for the brigade. Of working at Bucknell, Guston says he is looking forward to the dynamics and challenges of working in a higher education environment: "I am a firm believer in continual learning, both professionally and personally, [and here] I have constant opportunities to do both." Outside of work, he is the proud father of three young daughters, and when he has the time, enjoys hunting, kayaking, and fishing.

DO YOU WANT TO BE A SAVVY RESEARCHER?

by Carrie Pirmann, Social Sciences Librarian | carrie.pirmann@bucknell.edu

In the Fall of 2013, the Research Services department at Bertrand Library launched the Savvy Researcher workshop series, focused on providing instruction on topics not typically covered in course-integrated library instruction. These drop-in workshops allow students an opportunity to improve their research skills and explore more in-depth and focused research strategies.

Topics in the Savvy Researcher series include:

- Searching Outside Your Comfort Zone
- Google for Academic Research
- Masterclass in Searching
- Why Books Are Cool
- Finding and Using Primary Sources
- Organize Your Research

WHO ARE THESE PEOPLE?

Brody Selleck

Instructional Design Librarian
B.A. Bucknell University; M.S. University of North Carolina, Chapel Hill

Talk to me for research help in:
- Accounting
- International Relations
- Latin American Studies
- Law and Legal Studies
- Management
- Political Science

Ways to make an appointment:
- researchbysubject.bucknell.edu/brody
- bselleck@bucknell.edu
- Just walk in!

Let Me Help You With Your Research!

How can librarians achieve greater visibility for ourselves and our services? Put up giant posters of our smiling faces in the library!

We started this campaign with stealth postings on bulletin boards across campus that asked, "Who are these people?"

A short time later, posters advertising the librarians, our areas of specialty, and services we provide appeared in the library, near the Research Consultation Area. Students, faculty and staff have responded extremely positively, and often say, "Oh you're the guy in the window!"

Poster photography by Ryan LeBreton