



Download a printable PDF version [HERE](#).

THE EDITORS' UPDATE

► Editor's Update

This issue highlights recent projects that support the teaching mission of Library and Technology Services. The articles highlight support of student class projects, from resources available for student documentary videos, to student use of our Special Collections. Other articles in this issue outline new offerings from...[read more](#).

NEWS



Engaging Afghanistan: Collaborative Documentary Filmmaking at Lehigh

► Engaging Afghanistan: Collaborative Documentary Filmmaking at Lehigh

In the summer of 2010, Political Science Assistant Professor Nandini Deo requested support from the TRAC (Technology, Research and Communications) Writing Fellows Program for her fall course on Afghanistan. But her request came with a twist. Instead of assigning traditional research papers, she...[read more](#).



LTS Seminar Program Includes New Offerings

► LTS Seminar Program Includes New Offerings

Library and Technology Services (LTS) has offered computer and library application, instructional, and resource seminars to the Lehigh University community for more than ten years. The seminars are developed, written, and presented by LTS staff members who have years of support and training experience with the software. The seminars are designed to...[read more](#).

► Special Collections across the Curriculum

"What's So Special about Special Collections" is an age-old question that has been asked with increasing frequency in recent years as more and more institutions rediscover and place greater emphasis on primary source research. As areas of emphasis, these collections are being repurposed and reinvented to...[read more](#).



2010 Symposium on Teaching and Learning

► 2010 Symposium on Teaching and Learning

On November 18th, 2010, the LTS Office of Faculty Development and the Lehigh Lab sponsored the 2010 Symposium on Teaching and Learning. The Symposium was well attended, bringing together faculty, staff, and graduate students from across the university. The purpose of this annual event is to...[read more](#).

► High Performance Computing Symposium Now Two Days

The traditional "legs" of scientific research are "theory" and "experimentation," with "computation" gaining recognition as an important new leg for supporting modern scientific research. Computational modeling is vital to scientific advancements, providing crucial added insight and rigor unavailable through...[read more](#).



LTS Connects with STAR Academy Middle School Students

► LTS Connects with STAR Academy Middle School Students

Library and Technology Services recently enjoyed the opportunity to work collaboratively with the S.T.A.R. Academy by presenting on Social Media, Internet Safety and Virtual Reality to middle school students. The 'S.T.A.R.' of the S.T.A.R. Academy is an acronym for...[read more](#).



Editors' Update

This issue highlights recent projects that support the teaching mission of Library and Technology Services. The articles highlight support of student class projects, from resources available for student documentary videos, to student use of our Special Collections.

Other articles in this issue outline new offerings from the venerable LTS seminar series, and the expansion of the popular HPC (High Performance Computing) Day for our faculty and graduate students.

Finally, following a long-standing tradition of Lehigh's reaching out to the community, we share a story about a technology session that was presented to students at our neighboring educational institution - Broughal Middle School.

As LTS and the rest of the university move forward in 2011 to fulfill the mission of serving students with excellence, we join with all of you faculty, staff, and friends in committing to make this the best Lehigh year yet!

--*Tim Foley and Christine Roysdon*
Acting Editors

Article posted March, 2011

[Return to Newsletter](#)



Engaging Afghanistan: Collaborative Documentary Filmmaking at Lehigh

In the summer of 2010, Political Science Assistant Professor Nandini Deo requested support from the TRAC (Technology, Research and Communications) Writing Fellows Program for her fall course on Afghanistan. But her request came with a twist. Instead of assigning traditional research papers, she desired her students to communicate their grasp of concepts and topics through documentary video production.



Professor Deo wanted the 22 students enrolled in the course to understand Afghan history and culture, drawing on course materials and their own research, and believed that documentary video production would be a good way for students to articulate that understanding.

In order to facilitate intensive collaboration, Deo went beyond individual or small-group production in favor of a project that would require all students in the course to collaborate on a 15- to 20-minute documentary video.

A request for filmmaking assistance is not unusual for LTS staff. With the help of the LTS Documentary Resource Team, professors in English, history, anthropology, journalism, and marketing have immersed their students in this form of communication for a number of years. However, video peer mentoring is an entirely new form of support. Fortunately, two TRAC Writing Fellows were ready to seize this opportunity as a pilot for the TRAC program.

This ambitious filmmaking collaboration provided a wonderful platform for the TRAC video fellows pilot. To prepare for the innovative work they would be doing for the Afghanistan course, two undergraduate writing fellows were trained to guide faculty and students through the documentary filmmaking process.

Deo wanted students to become familiar with the technical aspects very early in the semester so the TRAC fellows were able to practice their newly acquired skills. With help from LTS staff, TRAC Fellows Ana Alexandrescu and Jake Kennon were able to take on an enlarged peer-mentoring role.

As educators, we aim to make the filmmaking process a rich and engaging learning experience. From rough, fine, to final cut, filmmaking is a process of drafts. The added element of collaboration helped move the process along.

Though the Afghanistan project was new and challenging, students rose to those challenges and exceeded all collaborative and learning goals. From concept to production, students were involved in some form of collaboration with classmates, staff, faculty, and TRAC Fellows.

The Afghanistan course provided us with a successful pilot and sustainable model for collaborative documentary production. Working across disciplines, TRAC Fellows, librarians, instructional technologists, and faculty development offer faculty and students collaborative support for a wide range of documentary projects.

-- *Julia Maserjian & Greg Skutches*

Article posted March, 2011

[*Return to Newsletter*](#)



© 2010=1 Lehigh University - Library and Technology Services
8A E. Packer Avenue, Bethlehem, PA 18015
Tel. 610-758-3025

LTS Seminar Program Includes New Offerings

Library and Technology Services (LTS) has offered computer and library application, instructional, and resource seminars to the Lehigh University community for more than ten years.

The seminars are developed, written, and presented by LTS staff members who have years of support and training experience with the software. The seminars are designed to provide attendees the opportunity to learn software functionality, perform hands-on exercises, and to pose questions.

Recognizing that computer applications are constantly changing, LTS is always redesigning seminar offerings to meet new needs and challenges for our clients. LTS Seminars that have been introduced in the last year, apart from new Course Site and Lehigh Google Apps offerings and recently updated productivity and Mozilla seminars, include:

Come Face-to-Face with Facebook: an introduction to the social networking site.

Google's Greatest Hits: an introduction to the latest capabilities offered by Google and how those enhancements potentially affect the Lehigh community.

Online Apps for Productivity: more than 60 Web 2.0 tools that make productivity easier.

Become a Google Super Searcher: tips for using the Google search engine more effectively.

Excel Macros: use macros to enhance productivity in Excel.

The seminar program has traditionally included seminars in office productivity applications, such as Microsoft Office (Access, Excel, PowerPoint, and Word), graphics (Adobe Photoshop), Web browsing and e-mail, and High Performance Computing. Over time, because the list of software supported by LTS has grown to include course management, web-based, and many other applications, the list of seminars has expanded accordingly.

The seminar program is designed to meet the needs of those who need to learn an application for a specific task, those who want to learn about software that may improve office workflow, or those who simply have an interest in the latest software technology.



The feedback given by attendees at the end of each seminar, by way of a survey, is an important factor to ensure that seminar offerings continue to be applied and current. A committee of LTS staff, lead by LTS Client Services Director Tim Foley, meet shortly before every semester to review seminar offerings, to discuss the potential need for seminars to introduce new software, and improve on existing seminars.

Registering for any seminar is easily done from the LTS Computing homepage (<http://www.lehigh.edu/computing/>), under the "LTS Seminars" heading.

-- *Bill Bettermann*

Article posted March, 2011

[Return to Newsletter](#)



Special Collections across the Curriculum

"What's So Special about Special Collections" is an age-old question that has been asked with increasing frequency in recent years as more and more institutions rediscover and place greater emphasis on primary source research.

As areas of emphasis, these collections are being repurposed and reinvented to meet the needs of an ever-evolving scholarly community of faculty, students, and life-long learners. Lehigh's Special Collections in Linderman is no exception, and use has increased in the last few years.

The English Department, as anticipated, has continued to attract faculty and students whose literary research spans the ages and the continents. The majority of these classes touched on various aspects of the history of the book, most commonly focusing on printing and publishing history.

For example, Professor Kate Crasson's British Literature I gave students an opportunity to examine a portion of Lehigh's collection of Medieval and Renaissance manuscripts. In this class, students were introduced to medieval book production, with a look at the manufacture of paper, or vellum, inks, handwriting, and early printing type.

Another English Department class, Professor Barbara Traister's introduction to Shakespeare, was treated to a glimpse of the first edition of the collected works of William Shakespeare (1623).

Students who also saw the second (1632) and third editions (1663) of this important work were fascinated to learn that the third edition is rather uncommon as many copies were lost in the Great Fire of London (1666) before they had a chance to be dispersed worldwide.

The Victorian Period is well-represented in Special Collections, and literature classes taught by Professors Rosemary Mundhenk and Edward Whitley are testimony to this fact. Students in "Victorian Fiction and Work", who viewed Charles Dickens' novels in parts in paper wrappers, were intrigued by the fact early purchasers needed subscriptions to ensure that they didn't miss a chapter.

The University Archives has been recently discovered by historians. Several courses, including one taught by Professor John Smith and known familiarly as "Lehigh Hall of Fame," drew extensively upon traditional university archival resources, including the Brown and White, the Epitome, the Alumni Bulletin, course catalogs, and reunion books.

Students each selected a late nineteenth century or early twentieth century Lehigh alumnus, who they researched extensively. Projects required members of the class to research from where the students originated, what they studied, in which activities they were involved, and what careers they ultimately

pursued following their graduation from Lehigh.

Holly Kent, a doctoral candidate in the History Department, visited with students from her course "The Bestseller in American History: Books, Readers, and Writers in the Nineteenth Century United States." Students took a look at editions of Uncle Tom's Cabin held by Special Collections. The varied translations and early printings of this piece of Americana stimulated students to pursue further research.

Special Collections also presented a session to an "Introduction to Public History", a subject near and dear to the hearts of archivists and librarians. Professor Kim Carrell-Smith collaborated with staff to ensure that a wide range of genres were represented in this introduction to archives and archival resources.

Lehigh's yearbooks, course catalogs, student newspaper, and other internal publications were discussed, and students were educated as to the use of these titles beyond university research. Independent study courses, offered as "Techniques in Public History," have been offered by Lois Black, Curator of Special Collections, who challenges participants to consider potential problems in archives administration through the use of case studies.

A not too distant cousin of Special Collections, Museum Studies, also took advantage of the resources offered by the department, as Gallery Curator Ricardo Viera brought several of his museum studies classes to Linderman for a close examination of rare books, manuscripts, archives, and artifacts. These courses conveyed to student participants that archives, libraries and museums intersect on many levels.

Special Collections has also been rediscovered by classes in the sciences, including Physics. Professor Virginia McSwain, who taught the first year seminar, "Galileo in Science and Culture," brought students to Linderman Library to examine early editions of several classic texts in the history of science. Resulting projects included research into the importance of illustrations in early scientific texts.

This year, Professor Gordon Bearn taught "Lewis Carroll: Beyond Sense and Nonsense." Students consulted early editions of Carroll's writings in literature, including *Alice in Wonderland* and *Through the Looking Glass*, and those in logic, including *The Game of Logic*. Nineteenth century printing processes were discussed as participants had the opportunity to peruse these artifacts.

Students of anthropology were newly welcomed into Special Collections, as Professor Nicola Tannenbaum worked with Archives and Special Collections Librarian Ilhan Citak to forge new paths into archival material.

Projects called for students to answer questions about the Lehigh community from the perspective of anthropologists: inquiries included athletics, the Greek system, the Marching 97, and other cultural phenomena unique to Lehigh and other college campuses.

Individual research projects have been equally as varied, as students undertake research into herpetology, civil engineering history, and trade routes. Special Collections encourages faculty, staff, and students to explore the wealth of resources available for study.

Please contact us if you would like to plan a class session using historical collections in Linderman Library or would like to undertake a research project. We can be reached via email at inspc@lehigh.edu, or telephone (610-758-4506).

-- *Lois Fischer Black*

Article posted March, 2011

[Return to Newsletter](#)



© 2011 Lehigh University - Library and Technology Services
8A E. Packer Avenue, Bethlehem, PA 18015
Tel. 610-758-3025

2010 Symposium on Teaching and Learning

On November 18th, 2010, the LTS Office of Faculty Development and the Lehigh Lab sponsored the 2010 Symposium on Teaching and Learning. The Symposium was well attended, bringing together faculty, staff, and graduate students from across the university.

The purpose of this annual event is to highlight innovations in teaching and learning at Lehigh and to help connect instructors to the many forms of instructional support available to them on campus.



This year's symposium first offered a "Table Talk" in which participants strolled around Linderman Library's Bayer Galleria and conversed with various LTS staff on topics including Elluminate, Course Site, E-portfolios (Mahara), the TRAC Writing Fellows program and Library resources.

The second half of the Symposium featured a "Lightning Round," held in Linderman's Scheler Humanities Forum. At this event, nine presenters were each allotted 5-10 minutes to very briefly discuss a teaching-related innovation, experiment or success that they wanted to share with colleagues.

The result was a fast-paced event at which Symposium attendees benefitted from presenters' insightful observations on a wide range of topics. (For additional information about the topics discussed by the presenters, visit the Lehigh Lab notes article online at: <http://lnotes.web.lehigh.edu>)

"Lightning Round," presenters included Nik Nikolov (Art and Architecture), Robin Dillon (Philosophy), Brendan Kennelly (Economics--visiting from National University of Ireland in Galway), Johanna Brams (LTS-Instructional Multimedia Resource Center), Hyun-Tae Jung (Art and Architecture), Frank Gunter (Economics), Silagh White (ArtsLehigh), Lisa Ruebeck (Student Affairs-Disability Support), and Julia Maserjian (LTS-Digital Library Specialist).

Faculty or Staff interested in participating in the Fifth Annual Symposium on Teaching and Learning, to be held in late Fall 2011, should contact Greg Reihman, Director of Faculty Development and Director of the Lehigh Lab.

-- *Greg Reihman*

Article posted March, 2011

[Return to Newsletter](#)



Jump to: [Symposium Registration](#)

High Performance Computing Symposium Now Two Days

The traditional “legs” of scientific research are “theory” and “experimentation,” with “computation” gaining recognition as an important new leg for supporting modern scientific research. Computational modeling is vital to scientific advancements, providing crucial added insight and rigor unavailable through direct experimental observation.

For the past five years, the University’s Library and Technology Services (LTS) and High Performance Computing Steering Committee (HPC-SC) have hosted a one-day program ([see archives](#)) to advance the understanding of scientific computing and train new researchers on available resources on and off-campus.

Due to the success of previous HPC Days and an interest in exploring what it would take to create an inter-departmental Center for Computational Engineering and Sciences, the HPC-SC has expanded the [2011 HPC Symposium](#) to two full days, April 14 - 15, 2011.

The overall goal of the revamped two-day event is to develop a network of researchers who explore high-end computational developments and methodologies for those who rely upon high-performance technologies to accomplish critical tasks.

On the Symposium’s first day, Thursday, we will host [Pittsburgh Supercomputing Center](#) (PSC) instructors who will provide a full day, hands-on [Message Passing Interface](#) (MPI) Programming tutorial, currently the dominant programmatic interface to taking advantage of distributed multi-processor/ multi-core cluster technology.

By extending the instructional time from three to six hours, participants will be exposed to a more detailed introduction involving real world examples, demonstrating the use of the basic MPI software library calls.

Participants are also encouraged to bring their own code and seek advice from the instructors. We hope they will walk away with the tools necessary to take advantage of the parallel computing facilities available to them at Lehigh.

On the second day, Friday, the Symposium will be devoted to regional speakers invited from outside Lehigh with a keynote speaker after lunch. The focus is to foster a gathering of preeminent researchers from all disciplines of science and engineering, where they can broaden their appreciation of the pervasiveness of computational methods in science and engineering research, and explore related challenges and opportunities.

This year’s Symposium Keynote Speaker will be Russ Miller, who maintains

appointments as Distinguished Professor of [Computer Science and Engineering](#) at [SUNY-Buffalo](#), senior scientist at the [Hauptman-Woodward Medical Research Institute](#), and adjunct professor in the departments of Structural Biology and [Electrical Engineering](#) at SUNY-Buffalo. Professor Miller's research interests include [cyberinfrastructure](#), [parallel algorithms](#), image analysis, and [computational crystallography](#).

For more information, please contact Brandon Leeds (byl405@lehigh.edu). [Registration](#) is free but will be required for planning purposes.

-- *Brandon Leeds*

Article posted March, 2011

[Return to Newsletter](#)



© 2011 Lehigh University - Library and Technology Services
8A E. Packer Avenue, Bethlehem, PA 18015
Tel. 610-758-3025

LTS Connects with STAR Academy Middle School Students

Library and Technology Services recently enjoyed the opportunity to work collaboratively with the S.T.A.R. Academy by presenting on Social Media, Internet Safety and Virtual Reality to middle school students.

The 'S.T.A.R.' of the S.T.A.R. Academy is an acronym for "Students That Are Ready," founded by Dr. Henri Odi and Mrs. Curtissa Odi in 1989. S.T.A.R. is an early intervention program that strives to enhance the academic performance of economically and academically disadvantaged students in grades 6-12. The students in the Academy meet all day approximately every other Saturday during the academic year.

Dr. Odi invited LTS to present on various technology topics to the S.T.A.R. Academy middle students on January 22, 2011. Blair Bernhardt, Johanna Brams, and Tina Hertel, along with a panel of Lehigh students who work in the International Multimedia Resource Center (IMRC), volunteered to speak.

Tina Hertel, Help Desk and Web Support Librarian, started off the program with a presentation on Social Media Use and Internet Etiquette. The middle school students enjoyed participating in an online poll by texting responses from their cell phones. Students were asked what, if any, social media they currently use. Even though many of the students were under the age of 13, nearly all had a Facebook account.

With students using online services for pictures, video, music, and other multimedia information, Blair Bernhardt's presentation on Internet security and copyright Issues was certainly an important topic. Blair asked the students where they 'got ' most of their music, and while many were using legitimate sites, most were surprised to learn that they may be using sites that are not legitimate or even legal. Bernhardt also provided information on how to be safe on the Internet.

Johanna Brams followed with an overview of Virtual Reality. The students enjoyed using 3-D glasses to look at pictures and videos as Johanna took them on a history tour of virtual reality. Some virtual reality projects at Lehigh were described, such as Second Life.

The panel of Lehigh students, who work in the International Multimedia Resource Center (IMRC), talked about their majors and some of the projects they have worked on. The panel included Rachel Dashnaw, Dan Finnie, Greg Jakes, Dalisbeth Galvez, Trevor Yee, and Vanessa Martins. S.T.A.R. Academy students demonstrated particular interest in the student panel, with many questions about how Lehigh students became interested in their majors and what they studied in high school.

Students rated the program very highly. Dr. Odi concluded, "The Academy continues to offer unique and important educational experiences to these students and their families that are not provided any place else."

