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*And much more!*

Vol. 39, No. 3  
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# adobe medicus

BIMONTHLY BULLETIN OF THE HEALTH SCIENCES LIBRARY AND INFORMATICS CENTER

## From HSLIC's Executive Director

When I joined the Health Sciences Center in 1997, the HSLIC building had only a tiny four-seat classroom on the third floor. HSC leadership quickly asked me to create an electronic classroom for use across the HSC; none existed at the time. Over the years, we have created a 12-seat electronic classroom to replace the four-seater and added a couple more classrooms.

However, recognizing that HSLIC faculty are among the most active nationally in terms of teaching load, we have been woefully behind in having any large space that could accommodate instruction within HSLIC. I'm very pleased to announce that the HSC Chancellor's Office has funded the construction of a 50-seat classroom (HSLIC 428). While the primary rationale for the new classroom is to replace room 2112 on the second floor of the Domenici Center's west building, it will also facilitate HSLIC faculty instruction.

I'm also pleased to announce a sneak preview of newly renovated space on HSLIC's third floor. The purpose of the space, predominantly responding to student feedback, is to serve as a catalyst for more collaboration, exploration and creativity. Students will eventually find a chess/checker table, large-screen monitors for group collaboration, "pod" chairs to create a sheltered study incubator and even a coloring table. The furnishings will arrive over the next several months, so the space will be constantly evolving as we incorporate new ideas. I welcome additional suggestions from students or faculty, so please send me your creative thoughts on how to make this a fun space that fosters innovation.

**Holly Shipp Buchanan, MLn, MBA, EdD, FMLA, AHIP**  
Executive Director, HSLIC  
Professor, UNM School of Medicine

## Health Education Building construction now under way



Eric Schwaner, who will oversee construction of the Health Education Building.

On May 23, restriping of the M Lot and a new construction fence were the first physical signs that construction has begun on Phase III of the Domenici Center, known as the Health Education Building.

In 2015, New Mexico Gov. Susana Martinez signed a capital outlay bill

that provides funding for this project. When completed in 2017, the HSC will have an additional 65,000 square feet of large classrooms for active learning, laboratories, simulation and student study space.

Because HSLIC manages use of the Domenici Center space, library leadership has been coordinating with HSC leadership and architects at Dekker/Perich/Sabatini on the project.

The group manager for this effort is Eric Schwaner, who is a senior project and construction manager in UNM's Office of Planning, Design & Construction.

*(Continued on p. 2)*



Health Education Building construction to begin soon *(Continued from p. 1)*

Schwaner was instrumental in building the first two phases of the Domenici Center as well. For Phase 1, he was the construction project manager with Flintco Construction, Inc. For Phase II, he was the construction manager with UNM's Office of Capital Projects.

"I am extremely excited to see this final phase of the Domenici Center for Health Sciences Education come to fruition," Schwaner says. "I have been involved with the construction of this complex since 2005, in one capacity or another, and have a real interest in seeing it through to completion. This world-class phase of the complex completes the needed classroom space and the consolidation of multiple programs currently scattered throughout multiple buildings. What also excites me about this project is the new and cutting-edge technologies that will be incorporated into the final product. It should be a building that everyone at UNM and HSC can be extremely proud of."

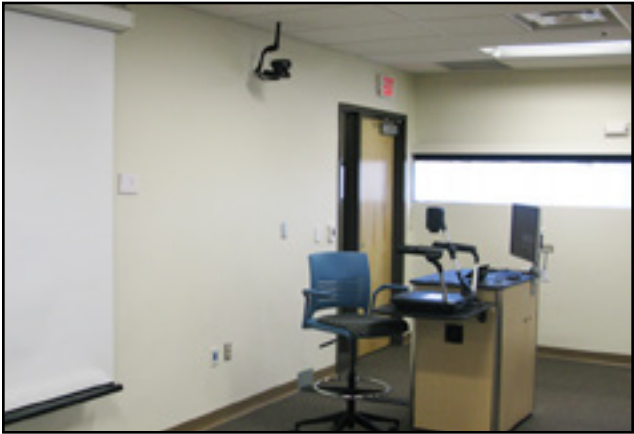


This artist's rendering of the new Health Education Building was provided by the architect for the project, Dekker/Perich/Sabatini.

New HSLIC classroom now ready to use

A new 50-seat classroom on the fourth floor of the library is ready to use. An open house was held on May 31 to reveal the space.

The classroom has standard HSC equipment, including an instructor PC, a document camera, iClicker functionality and lecture capture. The lecture-capture capability allows for automated live streaming and archiving of classes and events held in this space.



To schedule the room for future use, visit the UNM Event Management Service (<https://ems.unm.edu>) and view the calendar for HSLIC Room 428. Then, to request the day and time you want to use the room, send an email to [HSLICReservations@salud.unm.edu](mailto:HSLICReservations@salud.unm.edu).



Electrical contractor Michael Morrow installs the projector in the new classroom.

HSLIC honors four students with awards

*Karen McElfresh — Resource Management Librarian*



Award winner Tiffany Stromberg is shown with Jon Eldredge, PhD, who is HSLIC's Evidence Based and Translational Science Collaboration Coordinator.

Four students have received 2016 HSLIC Student Awards. They were recognized recently with certificates and monetary awards at their college or school's awards ceremony. Congratulations to this year's winners!

The award winners are as follows:

- **Yousuf Qaseem**, School of Medicine: HSLIC Award for Excellence in Information Seeking & Critical Appraisal
- **Melissa Scott**, College of Nursing: HSLIC Award for Excellence in Information Seeking & Critical Appraisal
- **Tiffany Stromberg**, School of Medicine: HSLIC Award for Excellence in Informatics
- **Kristen Weglarz**, College of Pharmacy: HSLIC William G. Troutman Award for Excellence in Information Retrieval, Analysis and Communication

Every spring, library faculty members solicit nominations from Health Sciences Center faculty, preceptors and residents

to recognize medical, nursing and pharmacy students who excel in various aspects of information retrieval, critical appraisal, teaching and communication, and informatics.

Disaster preparedness projects completed

*Gale Hannigan, PhD — Special Projects Librarian*

This past year, representatives from HSLIC, Albuquerque Public Schools, the New Mexico Department of Health and Albuquerque Citizen Corps collaborated to raise awareness about disaster preparedness activities in New Mexico and available information resources from the National Library of Medicine. The National Network of Libraries of Medicine South Central Region awarded HSLIC \$8,000\* for the Ps (Partners) for PODs project.

PODs are Points of Dispensing initiated in response to a variety of threats. Schools are often designated as POD sites, and school libraries are a logical source of awareness and information about emergency-response activities. Project partners completed three projects: a Preparedness Month ToolKit for school libraries, workshops for school librarians and lesson plans for students. HSLIC faculty and staff coordinated activities and provided administrative support. For information about building your own disaster supply kit and the 2016 Seasonal Preparedness Calendar, visit [www.ready.gov](http://www.ready.gov).

*\*This project has been funded in whole or in part with federal funds from the National Library of Medicine, National Institutes of Health, under contract No. HHSN-276-2011-00007-C with the Houston Academy of Medicine–Texas Medical Center Library.*



The cover of a student lesson plan.



## Document-delivery requests increase 480 percent in one year



Jim Bynum, HSLIC’s Manager, Library Operations, for the evening shift at the Service Point, uses a scanner to scan an article a patron requested from a book.

delivery. HSLIC borrows books and articles it does not own from other libraries for HSC-affiliated patrons (free of charge) and for qualified but unaffiliated patrons such as licensed health care providers and law firms (for a fee). The library also lends books and articles it owns, for a fee, to other libraries and qualified organizations. HSLIC belongs to a consortium of medical libraries called SCAMeL that includes most of the medical libraries in Texas, Oklahoma, Arkansas and Louisiana. Most of our borrowing requests are filled by SCAMeL libraries, often within one day if it’s an article request. It takes longer to fulfill requests for books.

In addition, HSLIC provides document delivery services (pdf-format copies of articles and book chapters from its collection) to both HSC-affiliated and qualified but unaffiliated patrons.

### The decision to waive fees for HSC patrons

Prior to 2014, HSC-affiliated patrons had to pay a \$10 charge for each filled document-delivery request. In 2014, HSLIC explored the possibility of improving customer service by waiving these charges. A financial analysis was conducted; it revealed that these transactions accounted for approximately 10 percent of the total document-delivery charges in 2013 (with the other 90 percent involving non-HSC-affiliated patrons). HSLIC leadership decided to eliminate the \$10 document-delivery charge for all HSC-affiliated patrons. The decision has proven to be very successful, with numerous HSC-affiliated patrons taking advantage of this free service. This is borne out by the annual statistical reports compiled by our interlibrary loan (ILL) staff.

According to Jim Bynum, HSLIC’s Manager, Library Operations, for the evening shift at the Service Point, we are on pace to exceed 3,600 document-delivery requests and 4,000 borrowing requests for this calendar year.

*Monica Rogers — Division Head, Reference & User Support Services*

A year after HSLIC began waiving the \$10 fee for each document-delivery request in 2014, document-delivery requests increased 480 percent, going from just over 600 requests in 2014 to almost 3,000 requests in 2015.

Borrowing requests increased significantly, too, from approximately 1,700 in 2014 to nearly 3,800 in 2015. This is roughly a 225 percent increase. Lending requests remained stable, with little increase from 2014 to 2015.

### Three categories of patron services

Among the services HSLIC provides to patrons are its interlibrary loan functions. These fall into three general categories: borrowing, lending and document

## Remodeling begins on Domenici Center’s 3rd floor

In preparation for construction of the Health Education Building described on pages 1 and 2, room 2112 in the Domenici Center’s west building is no longer available for use as a classroom. The AV equipment from that room has been moved into the new HSLIC classroom.

## The link between technology and physician burnout: Study highlights

What is the greatest benefit — and the greatest burden — physicians face today? The fact that they can practice medicine from practically anywhere in the world, thanks to health information and communications technologies (HICT). And they can access patient records from home after they leave the office. But this constant accessibility to patient records can cause physician burnout. That is the subject of the “MS-Squared” study being conducted by Philip J. Kroth, MD, and his team of researchers throughout the United States. The study’s full title is “Managing Stress, Maximizing Success of Clinicians’ Use of Health Information and Communications Technologies.”



On May 19, Philip Kroth, MD, delivered the last lecture of the library’s Biomedical Informatics Seminar Series (BioMISS) 2015–16 season.

Kroth is the Director, Informatics Research, Training and Scholarship for HSLIC. He also is an associate professor in the UNM School of Medicine and the Section Chief for Clinical Informatics in the Department of Internal Medicine. He delivered a talk on this topic at HSLIC on May 19. It was the last seminar of the Biomedical Informatics Seminar Series (BioMISS) 2015–16 season.

On a recent trip to Minnesota to make this presentation to the American Medical Informatics Association’s iHealth meeting, Kroth also visited the office of Sen. Al Franken (D-MN) and updated his health-policy staffers on this subject. Sen. Franken sits on the Health, Education, Labor and Pensions (HELP) Committee, among others.

### Burnout is a serious issue among physicians

Kroth noted that resting for a weekend or engaging in a hobby for a few hours will not restore the physical energy or motivation of a person who is burned out. He added that according to a recent survey published in the Mayo Clinic Proceedings, 54 percent of physicians reported at least one symptom of burnout in 2014, compared to 46 percent in 2011. He mentioned one physician in his study who said, “Every weekend, I decide whether to be a good dad or an ethical practitioner.” Increasingly, there just isn’t enough time in a day for physicians to see patients, comply with guidelines, complete required documentation and have time for family and hobbies.

Another source of stress for today’s physicians, Kroth said, is that they are measured on behaviors such as testing the hemoglobin A1C in a diabetes patient, but no “credit” is given for showing empathy, such as spending half an hour listening to a patient whose husband has just died, so she sobs through the entire appointment. “This makes physicians feel that these important aspects of being a physician are not valued,” Kroth said.

In the study, recent focus groups held with clinicians in ambulatory medicine (95 percent of them MDs) revealed that 56 percent of the participants agreed with the statement “I feel a great deal of stress because of my job.” Only 22 percent indicated sufficient time for documentation during their work day.

### Potential solutions

So what can physicians do to reduce HICT-related stress and burnout? Kroth recommends accessing electronic health records at home, after hours, only when there is no other choice; taking more training; writing more concise notes; and taking care of yourself. He sees four areas that will require improvement if burnout is to be reduced among physicians: improvements in HICT, a change in the cultural “attitude of endurance” common among physicians, improvements in local clinic work processes and improvements in policy (such as Medicare’s MACRA).



Movin’ in/movin’ up

As HSLIC’s new IT Support Tech 2, **Zach DiCicco**’s primary duty is to provide Tier 1 IT support to faculty, students and staff at the Health Sciences Center. He takes support requests by phone and those who come to the Service Point. Before working at the HSC, he worked for an aerial photography and mapping company based in Belen, N.M. He did IT support and produced digital aerial photography and orthorectified (map-projected) images for federal government contracts.

DiCicco’s professional background is split between IT support and mapping (GIS, photogrammetry and remote sensing). He has IT support experience with the federal government and the private sector (manufacturing), and he has mapping experience in the local government and the private sector. His bachelor’s degree in geography is from The University of Montana. He also completed a post-bachelor teacher licensure program in social studies from Colorado State University. He is a Certified Photogrammetrist, a distinction granted by the American Society of Photogrammetry and Remote Sensing.

DiCicco was born in Minnesota and moved to New Mexico when he was 11. He enjoys cooking, camping and traveling with his wife, Caryn.



Zach DiCicco



Naresh Nepal, PhD

**Naresh Nepal**, PhD, is a Research Scientist 3 for HSLIC’s Biomedical Informatics Research, Training and Scholarship unit and the UNM Department of Internal Medicine. He explores health databases from internal and external sources and extracts information that will be useful to various health practitioners.

After completing his PhD in July 2014, Nepal worked as a post-doc research fellow and instructor in the Economics Department at UNM. He also worked as a research assistant at UNM’s Bureau of Business and Economic Research and was involved in a project analyzing the costs and benefits of increasing the breast-feeding rate in New Mexico. He and his wife, Julee, have a son, Ananya.

Nepal spent his childhood and early life in Kathmandu, Nepal. He completed his master’s degree in economics from Tribhuvan University. Three U.S. universities offered him an assistantship for his PhD program; he chose UNM because he liked its program more than the other two.

When he is not working, Nepal enjoys outdoor recreation, especially hiking natural trails. He also likes sports and used to play soccer on Saturdays at Johnson Field while a graduate student at UNM. He used to enjoy playing the guitar, and more recently, he is learning photography.



Tim Mey

Congratulations to two HSLIC staff members who completed their master’s degrees in May.

**Katrina D’Aloia**, HSLIC’s Operations Specialist — Planning and Business Support, completed her MBA from UNM’s Anderson School of Management.

**Tim Mey**, a Library Informations Specialist 3 in the Resources, Archives & Discovery/Special Collections unit, completed his Master of Library and Information Science degree from San Jose State University.



Katrina D’Aloia

HSLIC faculty publish, present and receive distinction

**Patricia Bradley**, HSLIC’s Native and Distance Services Librarian, has achieved the rank of Principal Lecturer III.

**Philip Kroth, MD**, volunteers for the Migrant Clinicians Network. He recently had an article published in MCN’s print and online journal (<http://www.migrantclinician.org/streamline-2016-spring/bioinformatics>). He is HSLIC’s Director, Biomedical Informatics Research, Training and Scholarship.

**Karen McElfresh**, Resource Management Librarian, presented a poster titled “Implementing a Demand-Driven Acquisitions Pilot” at the 2016 Annual Meeting of the Medical Library Association in Toronto, Ontario. The poster analyzes usage data from HSLIC’s Demand-Driven Acquisitions program, in which e-books are added into the library catalog and purchased only when a user accesses a title.

**Sarah Morley, PhD**, Clinical Services Librarian, recently renewed her AHIP membership through the Medical Library Association. She is a Distinguished Member (highest level) of the Academy of Health Information Professionals (AHIP) for the period March 2016 through February 2021. AHIP credentialing is a peer-reviewed professional-development and career-recognition program through the Medical Library Association. The process is similar to promotion and tenure in that members have to document achievement in continuing education, teaching, publishing and participation in professional associations.

Library exhibit explores the life of James H. Steele, MD

A new exhibit featuring a rural New Mexico physician is in the display case adjacent to the New Mexico Health Historical Room (223) at HSLIC. The “James H. Steele, Frontier Doctor” exhibit explores the life of the horse-and-buggy doctor who practiced in rural New Mexico from 1909 to 1946. On display are items from HSLIC’s health historical collection, including many of the medical instruments and medicines Steele used in his practice.

Steele was born in Ohio in 1873 and graduated from the Kentucky School of Medicine in 1900. He practiced medicine in Ohio for nine years before pursuing the warmer, drier climate of New Mexico to benefit his health. Steele practiced medicine in rural New Mexico for the next 37 years. He died on July 6, 1946, in Wagon Mound, N.M.



**HSLIC Executive Director:**  
Holly Shipp Buchanan, MLn, MBA, EdD, FMLA, AHIP

**Editing, Design and Layout:** Libbye A. Morris

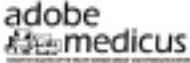
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**Library hours:**  
  
Monday – Thursday 7 a.m. – 11 p.m.  
Friday 7 a.m. – 6 p.m.  
Saturday 9:30 a.m. – 6 p.m.  
Sunday Noon – 11 p.m.

Holiday and break closures will be posted in the library.



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# Data visualization do's and don'ts

Monica Rogers — Division Head, Reference & User Support Services

Data visualization can help explain and give depth to your data. Visualizations should communicate your data in the most effective way possible.

To achieve this, keep in mind the following “dos” and “don’ts” before attempting to turn your data set(s) into visualizations.

## Do:

- Make your data quick to understand.
- Stay accurate.
- Simplify, simplify, simplify.
- Serve a clear purpose.
- Encourage users to compare different pieces of data.
- Leave a powerful impression.

## Don't:

- Use color unless there's a unique meaning for the differences in color.
- Use 3D charts unless data are associated with the third dimension.
- Add unnecessary details (e.g., decimal points) in tables unless they mean something.
- Add decoration that has no real purpose.

Data dashboards are similar to the dashboard in a car — they convey the most important data, such as speed or temperature. The dashboard should convey the important gist of the information at a glance. The less someone has to concentrate on a graphic, the more it achieves its purpose.

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