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New Electronic Products for 2005-2006
by Heather Whitehead

On-demand information is necessary for our researchers, but it’s a big drain on the collections budget. During Spring 2005 the Library was able to negotiate affordable access to several new electronic products. Three of these products are highlighted below.

Web of Science (Science Citation Index Expanded™): This database from Thompson ISI provides access to bibliographic information, author abstracts and cited references found in approximately 5,900 of the world’s leading scholarly science and technical journals. Cited reference searching, the unique ISI search and retrieval feature, lets users track the literature forward, backward and through the database. This product has been requested many times by faculty and students, and was a long-term item on the Library Reference Staff’s “wish list.”

GeoScience World: A new online resource containing the aggregated content for 31 journals from several not-for-profit and independent geoscience publishers. With time, other materials such as maps, books and geoscience digital data will be included or inter-linked.

Scopus (trial for 2005-06): A new, multidisciplinary abstract and indexing database from Elsevier. It includes coverage of ~14,000 titles in the scientific, technical, medical and social science literature. The long-term trial allows Library Reference Staff to evaluate the database and its usage by the CSM community.

For more product information check out:
Web of Science: http://scientific.thomson.com/products/scie/
GeoScience World: http://www.geoscienceworld.org/misc/about.dtl
Scopus: http://www.info.scopus.com/aboutscopus/
Schoolcraft’s Lead Mines of Missouri
By Robert Sorgenfrei

We continue our examination of great books in the Arthur Lakes Library with another wonderful treasure from the Russell L. & Lyn Wood Mining History Archive.

Schoolcraft, Henry Rowe, 1793-1864


Henry Rowe Schoolcraft came to Missouri Territory in 1818 after declaring bankruptcy and losing his family glass making business in New York State. He may have been hoping to find an undiscovered lead deposit and open a mine, thereby restoring his family fortune. He did not find any lead deposits to mine, and instead decided to set down the observations he had made on his journeys through the lead mining region on paper. Schoolcraft’s book was in large part a self-promotion and lobbying effort to be appointed Missouri Territory’s first mining official. He hoped the book would establish his credentials as a mining expert of some scientific standing and lead to a government job.

The book was completed in late 1819. It consists of 294 pages of text followed by an index. The first 150 pages contain a geographic description of the lead mining region along with a history of mining activities up until 1818. He describes all the major mines in the district, techniques used in the mining and smelting, and provides a rough calculation of lead production from the mines. He also commented on government policy toward mining and suggested ways it could be changed to benefit the industry. He ends the first part of the book with an essay on the uses of lead. The second part of the book contains Schoolcraft’s observations on the “geography, mineralogy, geology, antiquities, soil, climate, population, and productions”.

The book has remained the only detailed, accurate account of early lead mining in Missouri, and is the first book written on mining on the Western American Frontier, predating the California Gold Rush by almost 30 years. Schoolcraft was in some respects prescient in his writing on mining in what was for the time the Far Western Frontier of the United States. He saw that mining methods were inefficient and wasteful and advocated establishing a mining school in the region to teach and train experts in the manner of mining schools in Germany. He realized that mining laws of the time, especially the three year leasing regulations, were too restrictive and proposed relaxing those restrictions to encourage the industry. Finally, he proposed that an Inspector or Superintendent of Mines position be established. All these things came to pass as the 19th century progressed. Schoolcraft never got the appointment he sought, and sales of the book were disappointing. However, eventually he was appointed as an Indian Agent in Michigan, where he wrote a number of books on Native American Ethnology. He is remembered today for his writings on Native Americans, and not for having written the first book on the Western Mining Frontier.
new staff

Megan Tomeo joins the Reference Team

After a number of years with a Reference Librarian position unfilled, the Library is excited to welcome Megan Tomeo to the staff. With all three Reference Librarian positions filled, the Library will once again be able to offer extended reference hours during the week and on Saturdays.

The Arthur Lakes Library faculty and staff are pleased to welcome Megan Tomeo, Assistant Librarian, with primary assignment in Reference. As the Library is the primary information resource center for the Colorado School of Mines learning community, Ms. Tomeo will assist in efficient and effective provision of reference services including use and interpretation of automated systems, online catalogs, indexes, reference materials, electronic resources, and special collections.

She is selection liaison in the subject areas of Engineering and Engineering Physics. Ms. Tomeo has a B.S. in Electronics Engineering Technology from Pennsylvania College of Technology/Penn State and her M.L.S. from Clarion University of Pennsylvania. Prior to her acceptance of employment at the Arthur Lakes Library, she was an instructional services librarian at the Snowdon Library of Lycoming College. Current research interests include the development of an active mentoring program for developing science librarians.

Concerts in the Library continue this Fall. All concerts begin at noon in the Boettcher Room; all concerts are free and open to the public. Bring your lunch, sit back, relax and enjoy! Check our website: www.mines.edu/library About Us -> Concerts for complete schedule details.

Also continuing this Fall, Art in the Library. CSM Creative Arts club is once again coordinating a CSM student, faculty and staff art show on display in the Library. The show, Ignited Visions, was hung in October and will remain up through mid-December.

stUDENT spotlight

Jake of all Trades: Jake Sievers

by Wendy Shortridge

From escorting Library Director Joni Lerud-Heck to an SAE formal dinner to assisting Bob Sorgenfrei set up for the Annual Book Sale, Jake’s positive energy flows into all departments of the library. Jake continues to shine as one of the library’s top student assistants.

Whether it is hauling aerial photographs from the Brown Building, reorganizing theses in the Colorado Room, or helping patrons at the Circulation Desk, Jake Sievers can always be counted upon to perform the job efficiently and with a smile. A typical day’s work for Jake may include setting up new computers for Computer Support, moving furniture for Administration or shifting journals to make room for new titles. Jake’s friendly manner, positive attitude and intelligence contributes vastly to his popularity with patrons and library staff alike. As a work-study student, Jake has been an integral part of the Circulation Department since his freshmen year in Fall semester 2003.

Jake spent his childhood in Littleton and attended Columbine High School. There, he played on two of Columbine’s state championship football teams. On campus, Jake is majoring in petroleum engineering and is an active member of the Sigma Alpha Epsilon (SAE) fraternity and Society of Petroleum Engineers (SPE). A dedicated athlete, Jake’s sports performances helped solidify SAE’s victory in the All-Men Campus Trophy competition. As an SAE member, Jake has served meals to patients and families at Ronald McDonald House and worked on fundraisers for Children’s and The National Jewish Hospitals. This Fall, Jake is serving on the Mines Homecoming Committee. During summers, Jake umpires for the Jefferson County Baseball and the United States Specialty Sports Association (USSSA) leagues. He also harbors a secret desire to become a junior high or high school football referee.
Retirement did not last long for John Russell. He hired on with Greyline tour buses as a driver in 1986. During his time with Greyline, he reconnected with the Colorado School of Mines, hauling the athletic teams and providing tours for the Library’s 5th International Symposium on Cultural Heritage in the Geosciences, Mining and Metallurgy and a Geological Society of America conference held at the Library.

Helping with the library conference was a reflection of his interest in libraries and books. John’s love of reading has fueled his passion for Colorado and Mining history. Over the years he has built a well-rounded personal library on these topics. In late summer 2004, Russell began donating much of his extensive collection to the Library. The Library’s archive now houses much of his mining paraphernalia along with a large watch fob collection. John Russell has not just given from his collection but also of his time. During this past summer, John arranged two field trips with the Library staff to explore some of the historical mining sites in Colorado.

Russell’s generous contribution has made a significant impact on the mining collection contained in the Library’s archive and a lasting impression on its staff.

You Can Make an Impact in Your Own Way

Contributions help make the Library a world-class source for information in the study of energy, the Earth’s subsurface resources, advanced materials, the environment and engineering education.

- Donate today by using the enclosed postage paid envelope.
- Give the gift of a book in honor or memory of a loved one.
- Include the Arthur Lakes Library in your estate planning.
- Make a leadership gift to support a special project, collection or service.
- Visit http://www.mines.edu/library/giving

Please contact Joanne V. Lerud-Heck to discuss how you can make an impact. Call (303)273-3690 or email jlerud@mines.edu
RAPIDILL: Fast, desktop delivery of journal articles from other Libraries

Do you need an article from a journal the Arthur Lakes Library doesn’t own? Do you need an article sooner than the 3-5 days for traditional inter-library loan service? RAPIDILL will be your solution. RAPIDILL is a unique system created by Interlibrary Loan staff for Interlibrary Loan staff. Beginning in early 2006, the Arthur Lakes Library will implement RAPIDILL enabling you to have articles from journals the Library doesn’t own delivered to your desktop in as little as 24 hours (Monday through Friday).

Everyone loves Prospector. First made available to Mines’ patrons a little over a year ago, Prospector allows Faculty, Staff and Students to borrow books directly from over 20 regional libraries. You simply search for the book you want, provide your name and Mines Campus-wide ID, and Prospector does the rest. Your request typically shows up at the Library in 3 to 5 days and can be checked out for up to six weeks.

That’s for books, but what about journal articles? Prospector doesn’t allow you to request individual articles. Currently, if you need to access an article from a journal that the Library doesn’t own, you must request it through the Document Delivery - Borrowing office or travel to an owning library and look for it yourself.

RAPIDILL will change all that. Developed by Colorado State University after a flood destroyed most of their journal collection in 1997, RAPIDILL enables patrons to request articles via their web browser and receive them electronically within 24 hours (Monday through Friday). Is it 3am and have you suddenly realized you need an article from a journal the Library doesn’t own? No problem! You’ll be able to fill in a simple web form and the article will show up in your email inbox within a day!

Currently almost 30 libraries in 20 states use RAPIDILL. Some report extraordinary average turn-around times of 6-8 hours, and their patrons express a high level of satisfaction with the service. You won’t have to learn any new “tools” in order to take advantage of RAPIDILL’s self-service desktop delivery. RAPIDILL makes use of existing and familiar online resources such as Prospector and Gold Rush.

The Colorado School of Mines will be partnering with a group of six other regional academic libraries – all members of the Prospector cooperative – and we hope to go live with RAPIDILL by the beginning of next year. We’ll keep you posted!
Sharing a Lifetime of Knowledge: Colorado Mining History

by Pamela Blome

On occasion, the Arthur Lakes Library staff gets to take field trips to explore subjects of interest to the school. In the past, trips have been taken to the Edgar Mine and to the Garden of the Gods. This summer two field trips were scheduled, one in June to the North London Mine area and the other, in August, to Leadville, Colorado. Two prominent friends of the Library, John Russell and Chuck Dwyer, shared their knowledge during the trips.

Both John and Chuck teamed up for the first trip to the area of the North London Mine, located in the Mosquito Pass area between Breckenridge and Fairplay. The journey was just as interesting as the destination. John Russell’s expertise is in mining and mining history, while Chuck Dwyer’s background is in ropeways and wire rope. All along our route, the sites of mines and the history of the area were recounted to us. It was interesting to recognize that our route along Clear Creek on Highway 6 and along Interstate 70 was also the route taken for more than 150 years as people entered, explored and settled in the mountains of Colorado. As we traveled through the Copper Mountain area, we learned about the entrepreneurs that built the first ski resorts there. Then, just outside of Breckenridge we viewed the remains of a dredge, used for finding gold in riverbeds. On many occasions, John Russell pointed out the difference between tailings piles and dumps near mine sites. While traveling through Buckskin Gulch, we learned about Silverheels, a woman from the area renown for her beauty. She became the town nurse when the smallpox epidemic broke out. After the epidemic had passed, she disappeared, but there were sightings of a woman, covered by a veil, near the local cemetery. She is believed to have survived smallpox but was likely covered in scars. Mt. Silverheels was named in her honor.

From Buckskin Gulch, we traveled to The North London Mill, located at an elevation of 13,194 feet. The mill operated until 1943. There we explored the remnants of the mill, offices, a materials tram, and a Wilfley table (mineral sorting table). In the area there were remains of many other mines. Mosquito Pass was a main thoroughfare between mining communities over which a stage line had run.

The second trip was to Leadville. During this trip, John Russell was our tour guide. John pointed out many interesting sights along our route up Interstate 70 and along Highway 91. We stopped at the Climax Molybdenum Mine, where John had worked many years ago. During the 1960s, this was one of the highest paying mines in the country and employed 1500 miners. From Climax, we traveled up California Gulch and saw many mine sites, some of which are now being reclaimed. Finally, we explored the National Mining Hall of Fame and Museum in Leadville.
Everything you need to know: Part II
by Stephen Katz

How do I find serials in the Arthur Lakes Library?

The most important thing to know is that every serial title can be found by searching our online catalog, Catalyst. The serial might be print, electronic, or microform. No matter, it will be in Catalyst with holdings information and location. Electronic titles will furnish a link leading you to full text access directly from the record.

In our library, print serials will be arranged either by their title on levels 1M and 2 or by their Library of Congress call number on levels 2M and 3. A call number of “X” indicates that the serial is shelved alphabetically by its title. Before 1978, all serials had Library of Congress call numbers. At that time, most academic libraries began to separate their “Periodicals” from the remainder of the serials collection and shelve them by title. With the new addition to the Arthur Lakes Library building in 1978, it was decided to incorporate this separation into the library thus allowing most of the serials to be shelved on 2 levels instead of 4 levels, enhancing patron access. The serials that still have a LC call number are those that would be difficult to shelve by title; state and foreign Geological Survey publications and proceedings of conferences for example.

Of course, shelving by title has both advantages and disadvantages. A huge advantage is that all you need to know is the title of the journal you are looking for and go directly to its location. You don’t need to know a call number. A huge disadvantage is that should the journal change its title, which happens all too frequently, you will have to look in 2 different places for essentially the same journal. Those serials that have call numbers are all together in one location even if there is a title change. There will be a separate record in Catalyst for the new title, but its call number will be the same as its previous title.

In addition to title changes, there is another instance where a journal in our library might be shelved in 2 different locations. This involves those titles with corporate authors. Examples of corporate authors are American Ceramic Society, Iron and Steel Society of Japan, Optical Society of America etc. According to cataloging rules that were in effect prior to 1978, the corporate author was the official entry for a particular journal that contained the corporate author in its title. A good example is the Journal of the American Chemical Society. Prior to 1978 the official cataloging entry for this title was: American Chemical Society Journal and thus the journals were bound and shelved as American Chemical Society journal. With revised cataloging rules giving much less validity to corporate authors, the new entry became its title, Journal of the American Chemical Society. Where this occurs, and a journal is shelved in 2 locations, we are careful to inform patrons through Catalyst, exactly which volumes are shelved where. The information is there for you in the holdings statement. All you have to do is give Catalyst a try.

Enhancement of the collections and services of the Arthur Lakes Library are made possible through generous contributions of individuals, corporations and foundations. We are especially grateful to those listed below who remembered the Arthur Lakes Library in their 2005 giving.

Mr. and Mrs. Sigma R. Alpha
Mr. and Mrs. Stanley Dempsey
Dr. Todd K. Jones
& Dr. E. Tracy Turner Jones
Mr. Wayne R. Kemp
Mr. C. Eugene Kooper
Mr. Glenn L. Krum
Mr. Rodney W. McNeill

Donations can be made online at: www.mines.edu/library/giving
In keeping with environmentally friendly practices, this newsletter was printed on 100% recycled paper using vegetable-based inks. The size and mailing method were chosen to minimize waste. Using recycled fiber takes about 1.4 tons out of the land fill to produce 1.0 tons of recycled fiber. In addition less water, fewer chemicals and less energy are required.

Please Recycle. Preserving the delicate balance of our ecology requires a commitment from all of us. Recycling is an effective way to conserve our resources and protect our environment.

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Photography and editorial assistance by Patricia Andersen, Pamela Blome, Cathy Van Tassel, Jennifer Ward and Heather Whitehead.