



COLORADO SCHOOL OF MINES

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Arthur Lakes Library

COLORADO SCHOOL OF MINES

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express delivery

Partnering for a New Document Delivery Option

In a world of on-demand information where getting a journal article quickly may be just as important as getting it at all, the Arthur Lakes Library offers a new rapid document delivery option. CSM faculty and students can now request an article directly from the Linda Hall Library (a document supplier) using Catalyst, the CSM Library's catalog.

Approximately 43,000 journals from the **Linda Hall Library of Science, Engineering, and Technology** (LHL) are now included in Catalyst to make ordering journal articles easy. The Linda Hall Library is internationally recognized for its comprehensive collections in physics, chemistry, astronomy, engineering, mathematics, technology, and other life and physical sciences.



Each of the LHL journals in Catalyst contains a link to the Linda Hall Library document delivery service.

This service compares favorably with traditional interlibrary loan, which may be lower in cost or free but is slower. It also compares favorably with commercial document delivery services, which usually cost more for the same rapid delivery.

For-fee document delivery from Linda Hall Library is a viable alternative for users who need their information quickly. For more information about this service, go to our LHL document delivery web page at <http://www.mines.edu/library/lindahall/index.html>.

the collection

Colorado School of Mines Students and Staff get the *Academic Rate* for rapid electronic delivery:

- Register on the **Linda Hall Library Document Delivery website**.
- Charges are billed directly to YOU, by the method you select
- Cost: \$12.00 per article
- Articles are PDF format and delivered via e-mail often within 6-12 hours
- Read the FAQ for CSM-Linda Hall Library Document Delivery

<http://www.mines.edu/library/lindahall>



Arthur
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Library

COLORADO SCHOOL OF MINES

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We've Got Mail!

Our email addresses can be found at
www.mines.edu/library/staff.html
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crown jewels

Historic Mining Journals

By Robert Sorgenfrei

We continue our examination of treasures of Arthur Lakes Library by exploring some of the mining journal collections held in the Russell L. & Lyn Wood Mining History Archive.

Mining journals, especially the journals that specialized in communicating news and the latest technical developments to the mining industry in the late 19th and early 20th centuries, are treasure troves of information for the mining historian. The best of these journals in the Russell L. & Lyn Wood Mining History Archive are:

- **Engineering and Mining Journal.**

New York: 1860s – present. Known to decades of mining engineers as E&MJ, this journal began in the 1860s and continues today, albeit in a shortened format. E&MJ

has articles about the latest developments in mining technology, mining machinery, and events at mining districts all over the world. Unfortunately most libraries, including Arthur Lakes Library, cut out



the pages of advertisements that preceded the text of the journal. These ads

are of great interest to historians today, and can only be found with issues that were never bound. Full text E&MJ articles regarding wire ropeways are included in the ROPEWAY DATABASE

(<http://ropeway.coalliance.org>).



• **Mining & Scientific Press.** San Francisco: 1860s – 1922. Since MSP was published on the West Coast, it gave its most extensive coverage to mining developments in California and Nevada, although it covered the rest of the world. It began publication in the 1860s and lasted until 1922, when it was absorbed by Engineering & Mining Journal. Both Mining & Scientific Press and Engineering & Mining Journal were at times run by Thomas Arthur Rickard, a British born mining engineer whose writings dominated mining in the late 19th century. Under his editorial influence, both journals became highly respected in the mining profession.



- **The Colliery Engineer.** Scanton, PA: 1880s – 1900s.

Colliery is a British term for a coal mine. Like many journals, this one underwent a number of title changes, ranging from Colliery Engineer to Colliery Engineer & Metal Miner. Coal mining is sometimes thought of as hard-rock, precious metal mining's poor relation. It was dirty and dangerous work. However, coal was the primary energy source of the 19th century and fueled the industrial revolution. In late 1890s, the journal changed its title to Mines and Minerals, as it branched out to cover the entire mining industry, not just coal mining. Arthur Lakes, known as the “father of Colorado geology”, published many articles in this journal and most are illustrated with his field drawings.

- **Mining Reporter.** Denver: 1899-1907: Published in Denver, this is a good source for research on Colorado mining. Arthur Lakes published in this journal and its successor.

- **Mining Science.** Denver: 1907-1914. Mining Reporter was continued by Mining Science and Arthur Lakes Library has bound journals up until the start of World War I.

- **Mining World.** Chicago: 1906-1916. Mining World is another good source for early 20th century mining. Articles with photographs were published on mines in mining districts that were thriving at that time.

- **The Mining Industry: Its Statistics, Technology and Trade.** New York: McGraw Hill. Published annually from 1891 to 1941. This is a good source for general statistics on the mining industry from year to year.

Gold Rush

Find E-Journals and Databases Fast!

By Lisa Dunn

Gold Rush (<http://goldrush.coalliance.org>) is a discovery tool for electronic journal articles and databases. It provides direct links to tens of thousands of e-journals, both open access and subscription-based, and hundreds of databases. How can Gold Rush help you?

Want the full e-text of a journal article? Use Gold Rush's Article Finder to locate the article and link directly to full e-text if available.

Looking to find articles on your subject in a specific journal? Search under "Journal Title" for the journal in Gold Rush, or browse a list of journals. The journal title links to a list of databases that index the journal and provide full e-text for its articles—use one of these databases to search this journal for your subject.

Wonder what databases CSM users have access to? Select "Colorado School of Mines (CSM)" as your affiliation. Search under "Database Title" or browse a list of databases. Database titles link directly to the databases for convenient searching.

You can search Gold Rush from anywhere, and open access e-journals are available to all users. However, subscription-based titles within Gold Rush are available only to authorized users. Connect to Gold Rush from a computer on the CSM campus network, or from off-campus using the Virtual Private Network for Gold Rush to recognize you as a CSM user and allow you to access journal and database subscriptions.



Gold Rush also allows you to search under another institution or across all institutions in The Alliance (The Alliance includes most academic libraries and several large public library systems in Colorado). If you want to use another institution's resources, though, you must be affiliated with that institution and/or physically go to that site to obtain access.

For more information about Gold Rush, contact the Arthur Lakes Library Reference staff at libref@mines.edu or call the Reference Desk at 303-273-3694



book rush

2005 Arthur Lakes Library Book Sale

The rush of buyers looking for a bargain or a hidden treasure on the first day of the annual Library Book Sale.

To be added to the book sale mailing list, contact Jennifer Ward at 303-273-3645 or jward@mines.edu; you'll receive a flyer about the 2006 sale in late January.

This coupon entitles you to a
FREE BEVERAGE
of your Choice.



Located in the entrance of the Arthur Lakes Library.

HOURS: Mon – Fri 7:30am to 3pm, Sun – Thurs 5pm – 9pm & Sat 9am – 1pm

generous donors meet changing needs

Davison Gift Makes its Impact

By Joanne V. Lerud-Heck

I remember the day as though it were just yesterday. It was November 2000, and I had been showing Robert “Bob” (Geol E 1943) and Stasia Davison through the Library, as part of a very enjoyable visit. Although Bob and Stasia are quite different in some respects, their belief in the importance of libraries is something they deeply share. Stasia took an active part in our conversation about the Arthur Lakes Library’s needs and encouraged her husband to consider endowing a collection.



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Toward the end of the tour we visited the Mining History Archive, where we took the opportunity to rest and talk among the rare books and artifacts the Library has acquired over time. When I asked Bob if he had any questions about the Library, his twinkling blue eyes sharpened and he responded, “So, if I give you a million dollars, how will you spend it?” Words every library director dreams to hear! I had a number of things to say about how we would spend a million dollars to the betterment of the Library. My response must have satisfied Bob and Stasia since we were soon honored to dedicate the Robert P. and Stasia Davison Periodicals Reading Room.



Bob Davison began his preparation for the mining industry at Auburn University but soon, upon the advice of a family friend, came to Golden to study at the Colorado School of Mines. His geology professor at Mines, Francis M. Van Tuyl, advised him to consider geological engineering as a career, as Bob had “good potential for that.” Bob has

always had strong ties with libraries and librarians starting with his mother, who was a librarian. Throughout his studies, Bob was befriended by the Mines librarians, who assisted him with his education and supported his love of literature.

Upon graduation, Bob was sworn in as a second lieutenant in the Army Corps of Engineers. Bob pursued a courtship by mail with Stasia throughout his service in World War II, and he proposed to her when he returned to America. After leaving the Army, Bob attended law school at the University of Colorado and joined Holland & Hart in Denver, practicing mineral law.

Bob and Stasia’s gift of an endowment to the Arthur Lakes Library provides long-term support for the Periodicals Reading Room, a critical feature for any science/technology library. Periodicals are still the primary medium of communication for researchers in science and engineering. Mines students and faculty use thousands of periodical articles for their studies and research each year. Some periodicals are now being published in electronic format, but the Library anticipates it will always need to maintain a print periodicals collection as well as a welcoming space where students and faculty may use the collection.

The Davison’s endowment establishes a strong reliable base for developing and preserving this periodicals collection. It also gives the Library the flexibility to manage the periodicals collection and respond to the changing needs of the CSM user community.



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 jlerrud@mines.edu

did you know?

Arthur Lakes Library Facts

The Arthur Lakes Library contains:

- 110,000 books
- 67,000 bound periodical volumes
- 5950 Theses
- 225,000 Government publications
- 202,000 Maps
- 160 Archival collections

The average cost of a book purchased for the library is: \$93.00

The typical science/technology book costs \$100-\$200

The average price of a periodical subscription is: \$465.00

The average engineering periodical costs almost \$1500 per year.

We provide access to over 20,000 full-text electronic journals and 1205 print subscriptions.

Last year the Library's web site had over 600,000 "hits" and we are on track to double that number this year.

Last year 138,483 people came into the building.

The Library subscribes to over 120 online journal databases from 40 different vendors.

Last year there were 105,000 retrievals of electronic text resources.

member survey

Last fall the Library conducted a Member Survey to measure patron satisfaction. Although small in number, survey respondents comprised a representative sample of personal, alumni and corporate members. Respondents visited the Library monthly or less frequently, and indicated longstanding membership: from 5 to 32 years. Most answered they found it easy to access needed information and reported Library hours were convenient. Respondents found available services useful and Library staff courteous and helpful. Responses to questions about the Library as a quiet place to work and study, and the Library as a comfortable and inviting location, were positive.

Answers to questions about the Library's website and electronic resources indicated that while some members were able to utilize these resources, others did not or were unable to use them. It appears that none of the respondents used electronic journals or books. There was also confusion over using Library equipment to access information. Library staff will work to resolve issues brought forward in this survey. Thanks to everyone who took the time to respond to our survey.

student spotlight

The Arthur Lakes Library is one of the biggest employers of students on the CSM campus and typically employs over 50 students for the academic year. The Library receives excellent service from student assistants and could not operate successfully without them. Student assistants are employed in all areas of the Library. Many of the students excel in their job performance, bringing in new ideas and skills to improve library services and access.

Ali Azadegan: First-rate Assistant

Ali Azadegan is a second year student-assistant for both the Serials and Preservation Departments in the library. In helping Stephen Katz, the Head of Serials, Ali is involved in handling all incoming library mail including all the journals received by the Library. He is responsible for entering the receipt of journals into our online system so that patrons might view this information in Catalyst. Ali also shelves newly received journals in the Browsing Room or main stacks, where they are immediately available for use by patrons.



Ali is never daunted by the many details of serials work and is always willing to help out with any task that needs to be done. His exacting attention to detail is the primary requisite of a first-rate serials assistant. Ali also serves as a student assistant to Margaret Katz, Collections Conservator, where he prepares theses and journals for binding, and processes the bound journals and theses when they are received back from the bindery.

Ali was born in Teheran, Iran and aside from his mastery of English, is fluent in Farsi, the language of his native country and Arabic. He and his family have resided in Littleton, Colorado since their arrival in the U.S. in 2001. Ali likes to play both soccer and basketball, and his favorite soccer team is Manchester United.

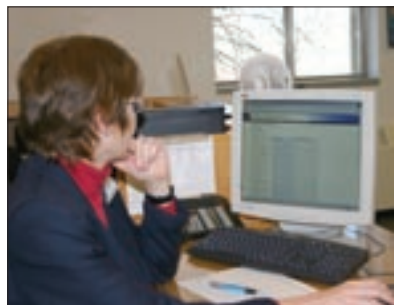
resource explosion

Cooperation Leads to New Electronic Resources

By Heather Whitehead

Libraries have a long history of cooperating to share print resources.

Interlibrary loans of books are a well-known example; photocopies of print journal articles have also been shared among academic libraries, as allowed by Copyright law. In the world of electronic resources, sharing is complicated due to publishers' contracts and license agreements. In order to increase their purchasing power and overall access to electronic items, libraries have formed cooperatives and created library consortia to negotiate with publishers.



The Colorado Alliance of Research Libraries recently negotiated agreements with several publishers that enhance our access to their e-journals. The agreements allow the publishers to preserve or expand their subscriber base, and permit participating libraries to increase access to electronic content with minimal added costs. The Library is pleased to offer the following new electronic resources (inclusion in the Library's web pages and catalog is pending official signing of the contracts):

Elsevier ScienceDirect e-journals < <http://www.sciencedirect.com> >

By joining with other Alliance member libraries, the Arthur Lakes Library acquired electronic access to the majority of ScienceDirect titles. ScienceDirect is the largest electronic collection of science, technology and medicine full text and bibliographic information.



- Electronic access increases from about 70 to over 1800 journal titles.
- Coverage dates are from 1993 or 1995 to present
- Access to over 6.5 million articles
- Includes over 60 million abstracts from all fields of science
- Accepted articles are available online before appearing in print
- Online access to multimedia and other features not available in print journals such as video files, audio files and spreadsheets

SpringerLink e-journals < <http://springerlink.metapress.com> >

By joining with other Alliance member libraries, the Library will acquire access to all SpringerLink journal titles subscribed to by any library within the agreement. SpringerLink covers biomedicine, life science, clinical medicine, physics, engineering, mathematics, computer science, humanities and economics titles. It is the second largest publisher in these fields.



- Electronic access increases from a handful of titles to over 250, many from 1995 to present.
- Available titles include select former Kluwer Academic journals
- Additional journals may become available if other Alliance libraries join the agreement.

Other new e-resources

MathSciNet < <http://www.ams.org/mathscinet> >

The Library recently joined an existing consortium led by the University of Colorado at Boulder to provide access to the MathSciNet database. MathSciNet is a comprehensive database from the American Mathematical Society that covers mathematical literature. The consortium spreads the "Data Access Fee" across the entire group, bringing costs down for smaller libraries.



- MathSciNet provides access to bibliographic data and reviews of mathematical research literature.
- Latest figures show about 1800 journals covered, with links to roughly 490,000 articles
- Coverage extends back to 1940

JSTOR - Arts and Sciences 1 Collection < <http://www.jstor.org> >

In another example of cooperation, the Library is working with the CSM Liberal Arts & International Studies Department to obtain access to the JSTOR Arts and Sciences 1 Collection. JSTOR includes digitized archives of selected core scholarly journals, starting with the very first issues. The Arts and Sciences 1 collection comprises complete runs of 117 titles in 15 disciplines, including economics, history, political science, and sociology, as well as other key fields in the humanities and social sciences. It also includes titles in the more science-oriented fields of ecology, mathematics, and statistics.



- Many titles are new to the Arthur Lakes Library
- Includes numerous society published journals
- Fields include African American Studies, Asian Studies, Language & Literature and Education

Everything You Need to Know: Part I

By Stephen Katz

What is the difference between serials and books?

You already know what a book is. A serial is defined as “A publication in any medium issued in successive parts bearing numeric or chronological designations and intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.) the journals, memoirs, proceedings, transactions, etc. of societies ...”

The “any medium” part of that definition is very important. Serials can be in print, electronic, CD-ROM, microform or other format. The “continued indefinitely” business is also important because a serial can and often does last but one issue. It can then die or change title, but that one issue is still considered a serial. Our favorite serial title of all time lasted only one issue. In July of 1962 the Colorado School of Mines Grotto of the National Speleological Society published “The Mole Meanders.” The issue was designated volume 1, no. 0 (July 1962). Later that same year the title changed to the rather pedestrian “Mines Caver,” with volume 1, no. 1. Although it lasted only one issue, it was obviously intended to last indefinitely and had both a chronological and numerical designation. Thus it qualifies as a serial.

One of the most important differences between serials and books is that books almost always stay the way they are published. They may have additional editions or printings, but once a book is published, that’s it. End of story. Literally! Serials, however, are a lot like people. They change. They can change their title (name), split into different parts (have children), be absorbed by another journal (get married – I know that’s reaching a bit, but bear with me), and they can cease publication (die). Unfortunately, these changes can present problems for those who are attempting to locate a particular issue of a journal. Under the cataloging practices used by almost all libraries, each title change requires a new record. A simple example is the title “Transactions of the Iron and Steel Institute of Japan” which was published from v. 6 (1966)-v. 28 (1988). For v. 29 (1989), it changed its title to “ISIJ international”, its present title. There are two separate records for these two titles in Catalyst, and anyone looking for any volume after v. 29 will have to find ISIJ international.

Next time: serials in the Arthur Lakes Library

2004&05

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 2004-2005 giving.

Mr. Paul Chamberlin
 Mr. Kelly P. Coleman
 Mr. and Mrs. Marshall C. Crouch III
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 Mr. and Mrs. James M. Wightman
 Mrs. Lyn C. Wood

Donations can be made online at:
www.mines.edu/library/giving

Information Center for Ropeway Studies Endowment

These gifts will begin an endowment that will support the ROPEWAY Database, and purchase and preserve collection materials on the theory, design, history, and operation of ropeway systems.



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 Snowbird Ski & Summer Resort
 Solitude Ski Corporation
 Mr. and Mrs. Paul Stoddard
 Telluride Mountain Village
 Metropolitan District
 Tramway Engineering LTD
 Vail Resorts

responsibility

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, Laura Guy, Cathy Van Tassel and Jennifer Ward.

Arthur Lakes Library Collection Management Staff



Pictured above from left to right: Craig Robbins, Library Technician; Pamela Blome, Monograph Catalog Librarian; Robert Sorgenfrei, Acquisitions Librarian & Archivist; Stephen Katz, Head of Serials. (Not pictured: Margaret Katz, Collections Conservator)



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