



## Inside Arthur Lakes Library

Colorado School of Mines Golden, CO

Volume 7, Issue 2



## Everything Old Is New Again

Imagine reading an article written more than 100 years ago, the typeface produced by the cutting-edge Linotype technology of the late 1800s and printed on paper pulped, pressed and delivered to the frontier west in horse-drawn wagons. In 1896, the paper was crisp, strong and smelled of fresh ink, a far cry from its appearance today: brittle, sensitive to light and touch, and smelling faintly old.

A gift from Frank Seeton '47 created a unique opportunity to make the delicate *Mining and Metallurgical Journal* (MMJ) accessible to researchers while supporting the aspirations of a Mines' engineering student.

Paul Brayford, a senior in mechanical engineering, needed an on-campus job. Collections Conservator Margaret Katz needed a student assistant with just the right aptitude and attitude for meticulous preservation work. They are the perfect match. Paul's creativity and engineering skills melded with Margaret's conservation expertise to fully develop a process to preserve and digitize editions of *Mining and Metallurgical Journal*.

Paul's challenge was to take preliminary work done by Eddie McWhirter '06, MS'09 and precisely delineate the technical and creative aspects of reproducing these journals in a high-quality digital format with minimal handling. Unlike the standard digitization process of scanning the materials into a computer-based image editing program, each page is individually photographed according to the optimal specifications Eddie and Paul refined through rigorous research and experimentation. The digital photographs are then optimized using an image editing program.

In true Mines' style, Paul carefully addressed each objective Margaret posed and crafted a technical paper detailing each step of the process, making it replicable. Margaret couldn't be happier with the outcome; "Paul is doing a fantastic job, but ultimately Mr. Seeton is the real hero in this story – his philanthropic support is moving this project from dream to reality."

The Library has the largest known collection of MMJs in the public domain, 96 issues; each will require 6 hours to digitize.

Visit [library.mines.edu/Mining\\_History\\_Archive](http://library.mines.edu/Mining_History_Archive) to view *Mining and Metallurgical Journal*, V. 15, No. 1, published April 1, 1896.



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# ***Sharpening Mines' Distinction in Undergraduate Education: Developing Research Skills***

"To ask why we need libraries at all, when there is so much information available elsewhere, is about as sensible as asking if road maps are necessary now that there are so very many roads."

~Jon Bing, Professor of IT Law, Univ. of Oslo

Mines' Librarians are the primary source of information research skills and information literacy education for undergraduate students. Integrated into core curriculum classes, Nature and Human Values and Engineering Practices Introductory Course Sequence (EPICS), eight Librarians share responsibility for instruction of upwards of 450 students each semester.

The term information literacy, sometimes referred to as information competency, is generally defined as the ability to access, evaluate, organize, and use information from a variety of sources. Being information literate requires knowing how to clearly define an area of investigation; select the appropriate terminology that describes the subject; formulate a search strategy that takes into consideration different sources of information and how it's organized; analyze the results for value, relevancy, quality, and suitability; and subsequently turn information into knowledge (America Library Association, 1989).



Knovel® Lunch & Learn

**"Solid information research skills are critical to the students' science and engineering education on their path to becoming problem solvers, discoverers, innovators and life-long learners. Infusing the Librarians' expertise into curricular and extra-curricular offerings augments the academic experience and supports the versatility and relevance of engineering and science education, its societal context and its international scope in ways that are informed by a rapidly growing and diverse body of knowledge." - Dr. Steve Castillo, Provost**



Librarians frequently collaborate with instructional staff to give lectures for Physics, Metallurgy and Materials Science, Petroleum Engineering, Environmental Science, Chemistry, Chemical Engineering and Geology courses. In the classroom, instruction is designed to further develop the students' in-depth knowledge of subject-specific resources while sharpening their research, writing and citation skills.

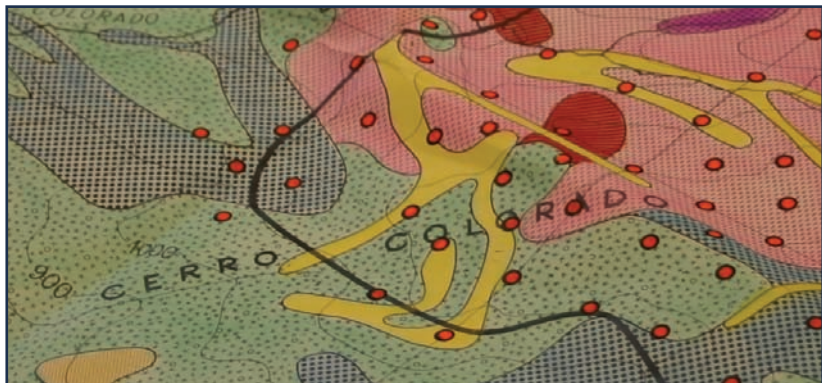
From time to time, instruction is supplemented by information industry experts. Recently, representatives from Knovel® Corp. delivered a presentation on finding information and analyzing data from Knovel's technical and scientific electronic books. Coming at the end of the semester this program was timely and popular – and not just for the free pizza and soda!

*EndNote Web*® instruction, coordinated by Librarian Megan Tomeo, has been very popular with faculty and students. *EndNote Web*® is a research and writing tool that allows researchers to organize citations, download bibliographic information as well as interface with full text articles in *ISI Web of Knowledge*™, including *ISI Web of Science*™. This tool dramatically reduces the time spent organizing information and can virtually eliminate formatting and citing errors.

Information literacy skills are critical to the students' development as scientists and engineers and as life-long learners.



# Unique Gifts to the Wood Mining History Archive



## Paul Kents' Cerro Colorado Collection

The family of Paul Kents, chief geologist for Canadian Javelin during discovery and exploration of the Cerro Colorado Copper deposit in Panama, has given the Library his field notebooks, maps and stratigraphic column data cards which represent a wealth of information on the project. The collection is currently being inventoried.



## V.C.A. Mine No.11 Navajo Blanket

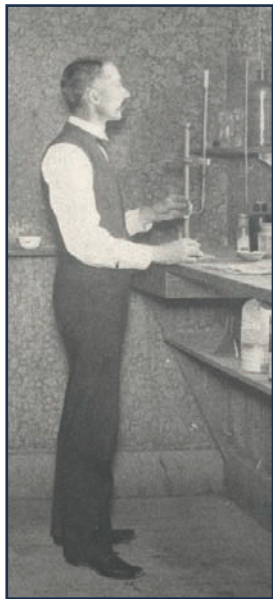
On a recent visit to campus for Reunion, Edrie and Tyler Brinker '50 donated a Navajo blanket. The blanket belonged to Tyler's father, Fred A. Brinker '21, who worked for the Vanadium Corporation of America (V.C.A.) from 1951 - 1963.



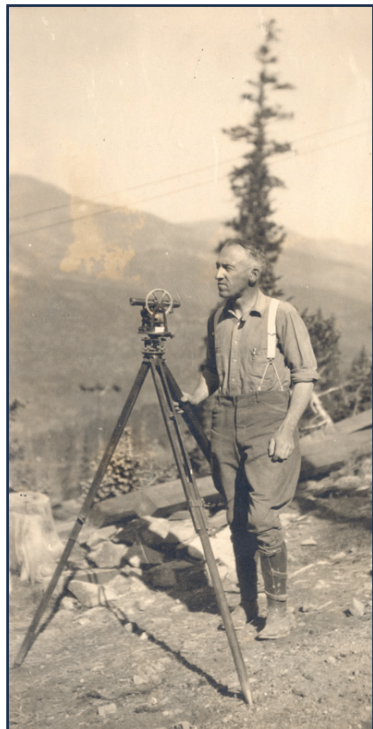
## C.R. Ewing 1900 Senior Stetson

The CSM Alumni Association has transferred C.R. Ewing's Senior Stetson to the Library. While quite battered and dirty, the hat is unique because the brim was signed by each of Ewing's classmates.

## Wheeler Family Collection



Marcus Wheeler at work  
in his Georgetown, CO  
assay lab, ca. 1890s



Robert "Engineer"  
Montgomery Wheeler MetE 1908,  
ca. 1920



Robert Marcus Wheeler  
EM 1939,  
ca. late 1930s

Mary Alice Wheeler has donated three generations of Wheeler Family Colorado mining history materials and Mines memorabilia to the Library. The collection contains company records, stock certificates, photos, personal letters and Mines' dance cards. Ms. Wheeler provided a detailed inventory of the collection as well as extensive biographical sketches on: her great-grandfather, Marcus Wheeler (1857 - 1916) owner of Marcus' Mill in Georgetown, which later become the Santiago; her grandfather, Robert Montgomery Wheeler (1885-1968), MetE 1908; and her father, Robert Marcus Wheeler (1916-1987), EM 1939. She relates that as a student at Mines in the late 1930s, her father was able to have a basement room in the President's home in exchange for household chores such as caring for the furnace and shoveling sidewalks. After graduating from Mines during the Great Depression in 1939 and enduring a challenging job search, Robert Marcus Wheeler began work with Bethlehem Steel in Cornwall, PA. The Wheeler Family Collection is being processed for addition to the Archive collections.

# Reunion 2010 - University Dames Tea



What you may ask are University Dames? The Colorado School of Mines' Dames Club was founded in 1926 under the sponsorship of the faculty wives/faculty women's organization. In 1927, the club was awarded chapter status and received its charter from the American Association of University Dames. According to the 1934 Prospector, "[t]he object of the club [was] to furnish an opportunity for wives and mothers of [Mines'] students...to meet together socially." Dames at Mines earned their PHT or "Put Him Through" degrees.

During Reunion this year, the Library sponsored a University Dames Tea. We were pleased to host the following Dames for lunch:

Jane Crouch (Marshall '67)  
Toni Hapenstall (Jack '60)  
Donna Miller (Sam '59)

Betty Samuel (Bill '60)  
Ludy Watson (David '60)

**We look forward to this event growing!**

## In Memoriam: Robert K. Sorgenfrei, 1947 - 2010

Bob Sorgengrei, Acquisitions Librarian from 1991 - 2007, passed away at his home in Golden, CO on January 23, 2010. Gifts in memory of Bob may be made to the Russell L. & Lyn Wood Mining History Archive.

*Please use the attached contribution form,  
check the 'Other' box and indicate Sorgenfrei Memorial.*



Bob in the Archive, 2007

## Generous Gifts: November 2009 - April 2010

### INDIVIDUALS

Sigma & Barbara Alpha	Peter Han	Akin Oduolowu	Chuck & Marilyn Stark
Patricia & Andy Andersen	Clive & Gwen Heller	Folorunsho Ojebuoboh	Yohan Sumaiku
Pamela Blome	Rick Hildebrand	Tom Pool	Christopher Thiry
Travis & Kathy Brown	Ed Hunter	Walter Powell	Cathy Van Tassel
Odin & Phyllis Christensen	Todd & Tracy Jones	Hervey Priddy	Tom Watkins &
Kelly Coleman	Stephen & Margaret Katz	Timothy Ramstetter	Cheryl Livingston
Kathi Conner	Evangelos & Susan Krokidis	Craig Robbins	Heather Whitehead
Stephen & Linda Daniel	Rodney McNeill	Fred & Doris Schwartzberg	James & Barbara Wightman
Rudy & Andi Davison	Michael & Julie Midyett	Bill & Karen Scoggins	Lyn Wood
Frank DeFilippo	Lisa Nickum	Kelly Sexsmith	Lynn Yehle
Hugh & Ann Evans	Richard Nielsen	Wendy Shortridge	

### CORPORATE/FOUNDATION

Anonymous Foundation <i>in support of the Tell Ertl Oil Shale Repository</i>	Community Foundation Serving Boulder County <i>on behalf of the Tell Ertl Family Trust</i>	Johnson & Johnson <i>match for Todd &amp; Tracy Jones</i>
ConocoPhillips <i>match for Chuck &amp; Marilyn Stark</i>	ExxonMobil Foundation <i>match for Bill &amp; Karen Scoggins</i>	Medtronic Foundation <i>match for Kelly Coleman</i>

### GIFTS FROM INDIVIDUALS IN MEMORY OF:

Cynthia Wood Newton  
Lyn Wood

Cynthia Wood Newton  
Lyn Wood

### Mr. Robert "Bob" Sorgenfrei

Graeme Fairweather  
Joanne Lerud-Heck  
Marcia Simmons  
Lyn Wood



## Find It On the Web

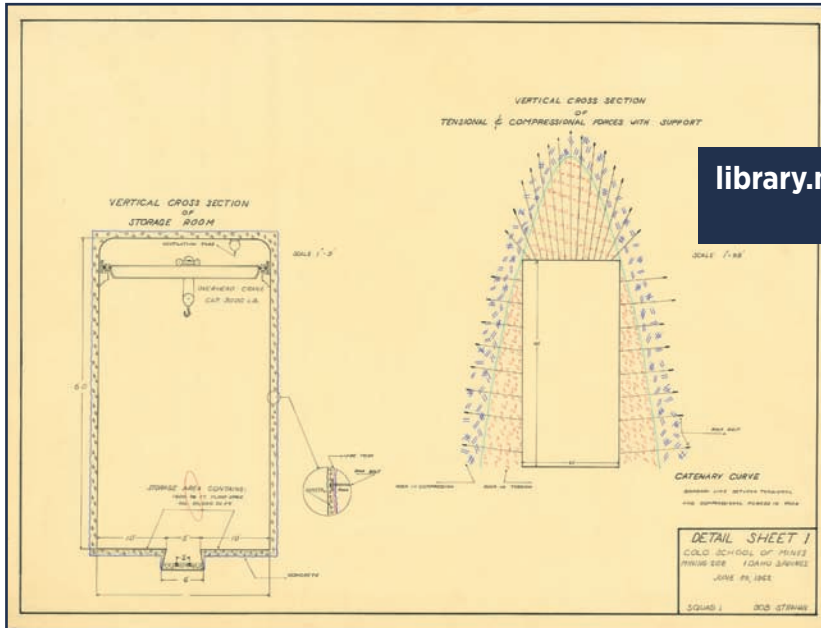
### Edgar Mine Surveys & Plat Maps

The collection of materials on the Colorado School of Mines Experimental Mine, also known as the Edgar Mine, provides information on the history and development of the Mine and its educational role at the School of Mines.

The collection consists of approximately 200 maps, mostly student mapping projects with the extensions of the Mine (scattered, 1947-1997), and plat maps of the area around the Mine (~1880). In 2009, the Library

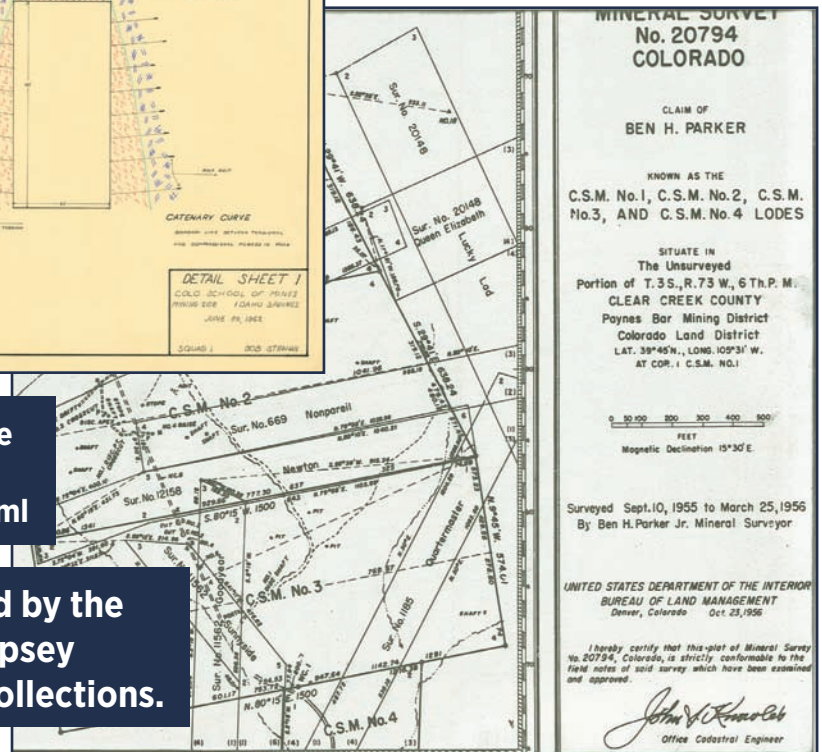
began digitizing survey reports, plat maps and student maps from the collection. A sample of these are available at:

[library.mines.edu/Mining\\_History\\_Archive](http://library.mines.edu/Mining_History_Archive)  
click on Edgar Mine



For information about touring the  
Experimental Mine visit:  
[mining.mines.edu/edgar\\_mine.html](http://mining.mines.edu/edgar_mine.html)

This project was funded by the  
Stanley & Judy Dempsey  
Endowment for Special Collections.



## Mining and Metallurgical Journal



[library.mines.edu/Mining\\_History\\_Archive](http://library.mines.edu/Mining_History_Archive)  
click on Mining and Metallurgical Journal  
to view all 20 pages of V. 15, No. 1

Funding for the MMJ Digitization Project is made possible through donations to the Preservation Internship Fund. To support this project, please use the attached contribution form, check the 'Other' box and indicate 'Preservation Internship'.



1400 Illinois Street  
Golden, CO 80401

library.mines.edu  
303.273.3911

# You Can Make An Impact!

*Contributions to Arthur Lakes Library make us a world-class source for information in the study of engineering and applied science related to the earth, energy and the environment.*

Colorado School of Mines Foundation  
PO Box 4005  
Golden, CO 80401-0005

Kathi Conner  
Library Development Officer  
303.273.3133  
giving.mines.edu

## MATCHING GIFTS

Your gift can be doubled or tripled if you (or your spouse) work for a matching gift company. Please visit our website at: [matchinggifts.com/mines](http://matchinggifts.com/mines) to determine if your company has a matching gifts program. All matching gifts count toward membership in President's Council societies.

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