



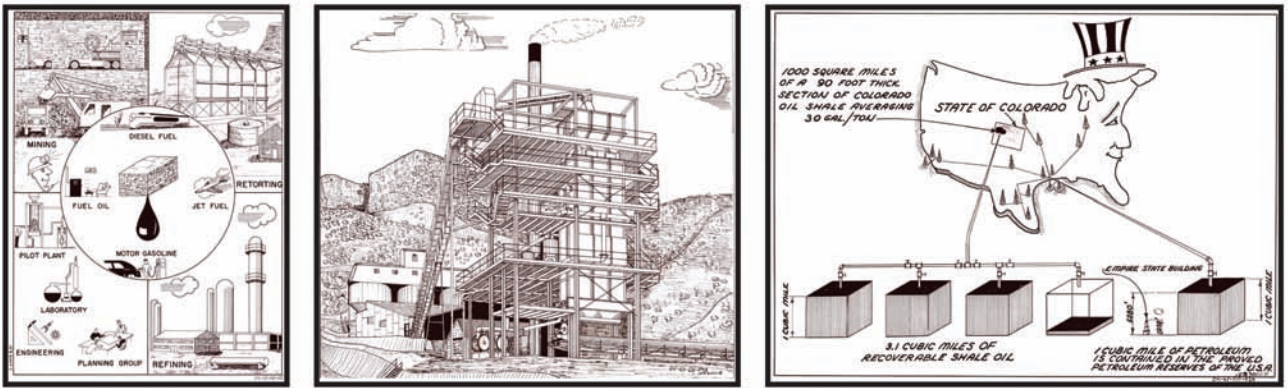
## Inside Arthur Lakes Library

Colorado School of Mines Golden, CO

Volume 9, Issue 2, Spring 2012

### Giving So That Others Might See: Shale Tech International Services's Gift Makes Tell Ertl Oil Shale Repository Display a Reality

In the Fall 2011, Shale Tech International Services (STIS), LLC gave a gift to fund a display of oil shale related images from the Tell Ertl Oil Shale Repository. Commissioned by the U.S. Bureau of Mines, the images were drawn in 1949 and 1950 by Joseph B. Burnett. The display provides visitors an overview of oil shale uses and extraction technologies.



Selected images from the Shale Tech International Services, LLC oil shale display

STIS, an independent technology developer with facilities in Rifle, CO, was founded in 2006 and owns the rights to the original Paraho® technology. The company's work focuses on licensing and advancing the original Paraho® technology as well as technological advancements to the Paraho II™ technology.

The Tell Ertl Oil Shale Repository contains materials related to oil shale and the development of the oil shale industry. Emphasis is on western United States research, but research from other countries is also represented. The oldest documents are from the early part of the 1900s; the majority are from the 1970s and 1980s, reflecting the cycles of interest in oil shale development.

Technical materials include specialty journals, government and contractor reports, original research, maps, charts, and data compilations. Non-technical materials include photographs, manuscripts, personal papers of key oil shale players, newspaper clippings, and memorabilia.

**Learn more: [library.mines.edu/Tell\\_Ertl](http://library.mines.edu/Tell_Ertl)**

**Access the Repository Database: [TellErtl.coalliance.org](http://TellErtl.coalliance.org)**

### In This Issue

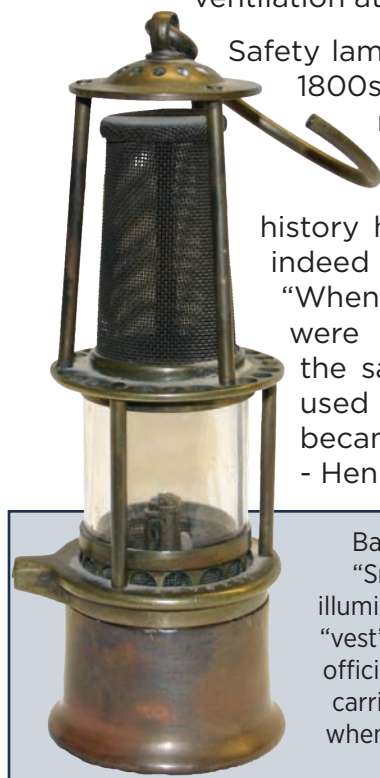
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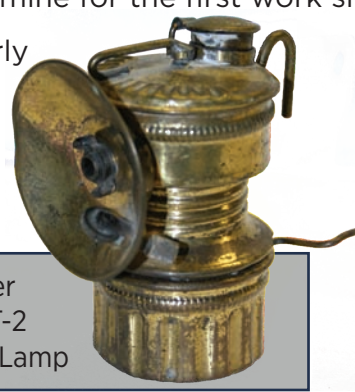
## Mine Safety Lamps

Ben G. Richardson donated six mine lamps and a sample of anthracite coal from the Floresta Mine, Gunnison County, Colorado. One of the lamps is a carbide type, while the other five are safety lamps used to detect explosive or noxious gases. Richardson indicated that his father worked at both the Floresta and Crested Butte coal mines. The elder Richardson was certified as a fire boss and had the responsibility of checking ventilation at the Crested Butte mine to prepare the mine for the first work shift.

Safety lamps were originally developed in the early 1800s to provide "safe" illumination in coal mines where explosive gases were present. Early designs were improved throughout the years; however, history has shown that safety lamps were not indeed very safe for illumination. "When electric cap lamps... were introduced into mining, the safety lamp was no longer used as a working light. But, it became the most common way of testing for methane." - Henry Pohs, *Mine Lights*, p. 364



Baby Wolf Lamp. Also called a Vest Pocket Wolf. "Small size for gas detection only -- not used for illumination. Lamp was mostly carried in a pocket of a "vest" or coat made for wearing underground by mine officials. The lamp would be extinguished when being carried in this manner and lighted by internal igniter when a test for gas was to be made." - Thomas Allen, State Coal Mine Inspector, 1952



Guy's Dropper  
MFLC Type, T-2  
Carbide Cap Lamp



Anthracite Coal Sample  
Floresta Mine, Gunnison County, CO



American "Wolf" Type  
Miners' Safety Lamp

# One Book. 1 Golden.

JEFFERSON COUNTY  
PUBLIC LIBRARY  
DISCOVER THE POSSIBILITIES

Jefferson County Public Library is sponsoring a one book, one Golden program during 2012. The chosen book, *Growing Up True: Lessons from a Western Boyhood*, by Craig S. Barnes, chronicles life growing up on the plains of Littleton, CO in the 1940s and 1950s. The year-long program kicked off on April 18th with a presentation by Barnes at the American Mountaineering Center. Four book discussion groups will be held, including one on August 30th at the Arthur Lakes Library.

Other program highlights include:

### Urban Farming: Backyard Chickens

(offered in partnership with Golden History Museums)

Saturday, June 9th, 10 a.m. @ Golden History Park, 11th & Arapahoe Streets

*Learn the fundamentals of urban farming, including raising chickens, just like Craig S. Barnes.*

### Memoir Writing Workshop

Saturday, October 13th, 2 p.m. @ Golden Library

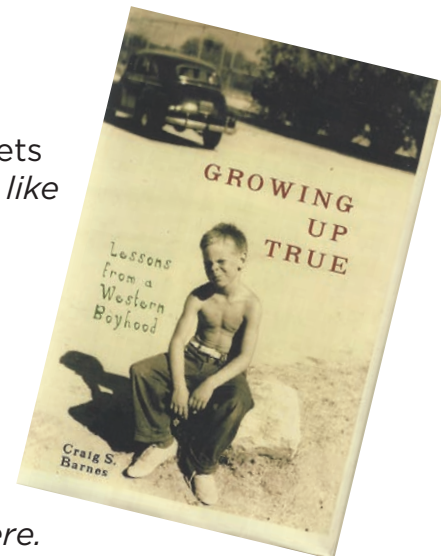
*Discover how to capture your own history and translate it on paper.*

### Fall Lecture Series: Growing Up in Golden

(offered in partnership with Golden History Museums)

Fall 2012 @ Golden History Museums, 923 10 Street

*Learn and share about Golden's past and what it was like to grow up there.*



# Generous Gifts: October 2011 - May 2012

## CORPORATE/FOUNDATION

Bishop Lifting Products, Inc.  
Community Foundation of Boulder County  
*on behalf of the Tell Ertl Family Trust*  
Perry Remote Sensing, LLC  
*on behalf of Sandra Perry*  
Shale Tech International Services, LLC



## INDIVIDUALS

Sigma & Barbara Alpha  
Travis Brown, Jr. & Kathleen Brown  
Odin Christensen  
Kelly Coleman  
Stephen & Linda Daniel  
Rudy & Andie Davison  
Carl Dietz  
Hugh & Ann Evans  
Patricia Gazewood  
Fern Sturm Haberman  
Peter Han  
Gerald Hannes  
Rick Hildebrand  
Roger Hooten  
Ed Hunter  
Todd Jones & Tracy Turner Jones  
David MacKenzie  
Terry & Carol McNulty  
Folorunsho Ojebuoboh  
Thomas Pool  
Walter Powell  
Fred & Doris Schwartzberg  
Bill & Karen Scoggins  
Kelly Sexsmith  
Charles & Marilyn Stark  
Christopher Wenger  
James & Barbara Wightman  
Lyn Wood  
Peter Young  
A.D. Zunkel

## WANTED:

We are filling gaps in our collections. Are you able to donate the following items to the Library?

Slingmakers, a newsletter published by Association of Wire Rope Fabricators. We need issue numbers: 6, 7, 8, 9, 12, 17, 22, 23, 32, 33, 34, 35, 40, 42, 64, 67, 71, 90, 93, 119, 120, 124, 125, & 128 to complete our run of the title.

Historia del reinado del Emperador Carlos Quinto: Precedida de una descripción de los progresos de la sociedad en Europa desde la ruina del Imperio Romano hasta principios del siglo XVI / su autor Mr. Robertson; obra traducida del Ingles al Espanol. We need volume 1.

Traite de mineralogy, par le Cen. Hauy ; publie par le Conseil des mines. We need volume 2.

Colorado Mining Association Handbook. We need the 1982 issue of the handbook.

Mines and Miners of Cornwall, by A. K. Hamilton Jenkins. We need volumes 7-9, and 11-16.

Index to Mines and Miners of Cornwall: Volumes 1-16. St. Austell: Federation of Old Cornwall Societies, 1978.

Colorado Mining Association Directory, 1987 - 1993.

Colorado School of Mines Memorabilia - posters, playbills, T-shirts, buttons, awards, or items from E-Days.



## CONTACT US:

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### Email

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libref@mines.edu  
libadmin@mines.edu

### Phone

303.273.3911

### In Person or Mail

 **ARTHURLAKESLIBRARY**  
1400 Illinois Street  
Golden, CO 80401



## Bits of News:

### Eureka!

In volume 9, issue 1 of the Library's newsletter, we asked: What is it? in an effort to determine the name or use of a piece of equipment from the Library's H.W. Hardinge Collection. Thanks to the detective work of Paul Szuhay, P.E. '12, we now know the device is a very accurate surveyor's wheel odometer. Szuhay discovered a similar odometer in the Denver Art Museum's surveying exhibit.

Developed in the 1800s, wheel odometers were designed to record the distance traveled in a given day.



# 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  
giving.mines.edu

Joanne V. Lerud-Heck  
Director of the Library  
303.273.3690

I/We have enclosed a gift of: \$ \_\_\_\_\_

*Please make checks payable to: Colorado School of Mines Foundation.*

Please charge my/our gift to: **Visa MasterCard American Express**

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Name as it appears on the card: \_\_\_\_\_

I/We pledge \$ \_\_\_\_\_ payable by June 30th.

Enclosed today is the first payment of \$ \_\_\_\_\_.

**LB12S**

Please designate my/our gift to the Library:

*21st Century Fund*

*Annual Fund*

*Other* \_\_\_\_\_

**All gifts are tax deductible as allowed by law.**

### 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.

### Please update my/our information:

Name: \_\_\_\_\_ Address: \_\_\_\_\_  Home  Business

City, State, Zip: \_\_\_\_\_ Phone: \_\_\_\_\_  Home  Business

Home Email: \_\_\_\_\_ Business Email: \_\_\_\_\_