
The Mining History Association

Officers:

Ed Raines, President
Roger Burt, Past President
Bill Culver, Vice President
Brian Leech, Secretary
James Fell, Treasurer
Diane Dudley, Membership

Council Members:

Dawn Bunyak, 2012-15
Ginny Kilander, 2012-15
Noel Kirshenbaum, 2012-15
Rudy Davison, 2013-16
Stephanie Saager-Bouret, 2013-16
Greg Drew, 2014-17
Eric Nystrom, 2014-17

The Mining History Journal

Editorial Board:

Ronald Brown, James Fell, Ronald Limbaugh
Jeremy Mouat, Silvia Pettem, Duane Smith, Mark Vendl

Eric L. Clements, Editor
Barbara A. Clements, Compositor

The *Mining History Journal* is provided to all members of the Association. Membership is open to anyone interested in the history of mining and metallurgy. Information or applications for membership may be obtained from Diane Dudley, Mining History Association, P.O. Box 552, Sedalia, CO, 80135; or at www.mininghistoryassociation.org. Annual dues are per calendar year. Members receive newsletters and the journal.

The journal welcomes manuscripts on any subject in mining and metallurgical history in any era or region. Manuscripts, books for review, announcements, inquiries regarding advertising or the purchase of back issues of the journal, and other correspondence related to the journal should be sent to: Mining History Journal, Department of History, MS2960, Southeast Missouri State University, Cape Girardeau, MO 63701, or eclements@semo.edu.

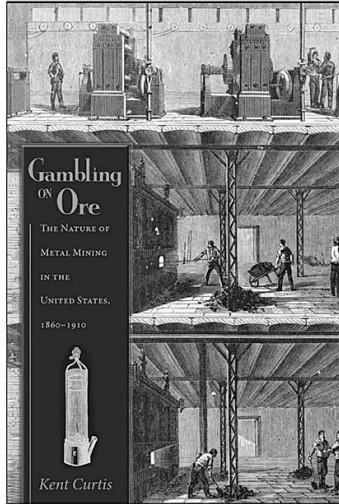
Manuscripts should be submitted typed, double-spaced, and with endnotes. The journal only accepts manuscripts via e-mail or on CD or DVD and Microsoft WORD format is required. A clean paper copy of the manuscript is requested along with the disk. All articles are required to follow the style formats specified in the *Chicago Manual of Style*, 16th edition.

Illustrations should not be embedded in the article and captions should be provided. Submit illustrations as originals or as separate files scanned as TIFF or jpeg at a minimum of 5 by 7 inches and 300dpi. Photos copied from websites will not be used. Authors are responsible for obtaining copyright use permissions for all illustrations and for paying any associated fees.

The Editorial Board of the *Mining History Journal* presents the annual John M. Townley Award to the author of the best article in that year's journal. Criteria for the Townley award include: the significance of the topic to mining history; the originality, quality, and depth of research; literary quality; and the quality of accompanying illustrations.

Articles appearing in this journal are abstracted and indexed in HISTORICAL ABSTRACTS and AMERICA: HISTORY AND LIFE.

Contents © 2014 by *The Mining History Journal*



Gambling on Ore

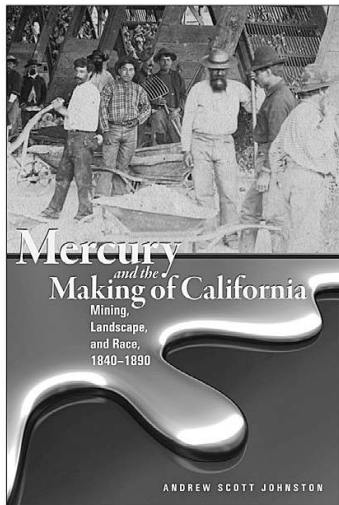
*The Nature of Metal Mining
in the United States, 1860–1910*

by Kent Curtis

“Occasionally a book is published that has significance far beyond its apparent subject; it illumines a vast landscape, opening unexpected vistas and bridging unexplored lacunae. Such is the case with *Gambling on Ore* . . . This book is not just a history of American mining, it is a book that mines American history. It deserves the widest possible reading.”

—James J. Rawls, *The Journal of American History*

\$39.95 • ISBN: 978-1-60732-234-4 • Cloth • 252 pages • 22 B&W Photos, 3 line drawings, 4 maps



Mercury and the Making of California

Mining, Landscape, and Race, 1840–1890

by Andrew Scott Johnston

“An outstanding contribution to our understanding of the history of the mercury industry in California and how it changed the development of California and the American West.”

—Donald L. Hardesty, Professor Emeritus of
Anthropology, University of Nevada, Reno

\$45.00 • ISBN: 978-1-60732-242-9 • Cloth • 336 pages • 66 B&W Photos, 23 line drawings, 12 maps

ORDER ONLINE OR TOLL FREE • WWW.UPCOLORADO.COM • 1.800.621.7377

UPC • 5589 ARAPAHOE AVE., SUITE 206C • BOULDER • CO • 80303

THE UNIVERSITY PRESS OF COLORADO IS A COOPERATIVE PUBLISHING ENTERPRISE SUPPORTED, IN PART, BY ADAMS STATE UNIVERSITY, COLORADO STATE UNIVERSITY, FORT LEWIS COLLEGE, METROPOLITAN STATE COLLEGE OF DENVER, REGIS UNIVERSITY, UNIVERSITY OF COLORADO, UNIVERSITY OF NORTHERN COLORADO, UTAH STATE UNIVERSITY, AND WESTERN STATE COLLEGE OF COLORADO.

The Mining History Association 2014 Journal

Articles

Diamond Core Drills:
Their Invention, Early Development, and Consequences for Mining and Quarrying/1
Roger Burt

In the Aftermath of Tragedy:
Herschel Wence and the 1925 City Mine Disaster, Sullivan County, Indiana/22
Edited by Eric C. Nystrom

Richard W. Pascoe, Mine Superintendent/30
L. Michael Kaas

Mines, Mining, and Miners on Mariscal Mountain:
Landscape and People in Cultural Resource Management/50
Andrew Johnston

Emil Fischer, Guide to the San Juan Mines/68
Larry Godwin

Forgotten Ghosts of the Southern Colorado Coal Fields: A Photo Essay/84
Eric L. Clements

Recent Publications on the History of Mining/96
Compiled by Lysa Wegman-French

Book Reviews/109

Robert P. Wolensky and William A. Hastie, Sr., *Anthracite Labor Wars: Tenancy, Italians, and Organized Crime in the Northern Coalfield of Northeastern Pennsylvania, 1897-1959*.
By Jaak Daemen

Norman Rosenblatt, *Dance with the Bear: The Joe Rosenblatt Story*.
By Bill Hawes.

Matthew Kierstead, *From Copperas to Cleanup: The History of Vermont's Elizabeth Copper Mine*.
By Johnny Johnsson

Kent A. Curtis, *Gambling on Ore: The Nature of Metal Mining in the United States, 1860-1910*.
By Chris Huggard

Peter Alexander, et al., *Marikana: Voices from South Africa's Mining Massacre*.
By Pavithra Narayanan

Matthew L. Basso, *Meet Joe Copper: Masculinity and Race on Montana's World War II Home Front*.
By Brian James Leech

Gwyn A. Williams, *The Merthyr Rising*.
By Eric L. Clements

Mark A. Vendl, Duane A. Smith, Karen A. Vendl, *My Home at Present: Life in the Mine Boarding Houses in the San Juan Mountains, Colorado*.
By Silvia Pettem

James Rada, Jr., *Saving Shallmar: Christmas Spirit in a Coal Town*.
By Robert P. Wolensky

Eric C. Nystrom, *Seeing Underground: Maps, Models, and Mining Engineering in America*.
By Eric L. Clements

Karen Dustman, *Silver Mountain City: Ghost of the Sierra*.
By Ron Limbaugh

Front Cover: Traffic on Interstate 25 roars past the remains of St. Aloysius Catholic Church at the site of the former Colorado coal town of Morley on Raton Pass. St. Aloysius Church was completed in 1917 and consecrated the following June. The Colorado Fuel and Iron Company mine at Morley operated from 1907 to 1956, supporting a community of about six hundred residents and one hundred homes.

Back Cover: Although coal mining has almost ceased in Las Animas County, Colorado, many coal seams remain, as here beside Highway 12 in the Purgatoire River Valley just west of Valdez. Future development of southern Colorado coal may be more through drilling than mining, as these coal beds contain great quantities of high-grade methane gas. Three gas companies are currently working large leases in the field.