



Mining History News

Quarterly Newsletter of the Mining History Association

A Publication of the Mining History Association

Spring 2023

Born with a Copper Spoon

For my last commentary, I would like to introduce our membership to a recently published anthology, *Born with a Copper Spoon: A Global History of Copper, 1830-1980* (Vancouver, Canada: UBC Press, 2022) edited by Robrecht Declercq, Duncan Money, and Hans Otto Frøland. They set out thematically to examine principally “the American world of copper (1870-1960), [and] its rise and demise, though some chapters deal explicitly with the Welsh system and others with the postcolonial world of copper.” Scholars Chris Evans and Olivia Saunders coined the term “world of copper,” providing the editors with a paradigmatic phrase to reflect the global nature of copper and its production and consumption; Kenneth Kaunda, Zambia’s first president, offered the quote that his countrymen were “born with a copper spoon in our mouths” because of the vast deposits in his nation. With these concepts as inspiration, the scholars of this exceptional volume delineate how American copper corporations dominated the industry until the last quarter of the twentieth century when nationalization—the takeover of the industry by nations who hold the vast deposits—altered who controlled regional global deposits and their manufacture despite the continued dependence of those nations on foreign technologies and business systems.

The editors divide the book into three parts. Part 1 (pages 29-137) highlights “connections and entanglements.” Chapter 1 authored by Klas Rönnbäck, Oskar Broberg, and Dimitrios Theodoridis—all economic historians from the University of Gothenburg—examine investment patterns in the copper mining industry over a century. Nathan Delaney, the managing director at Newgate Global Markets and a trained historian, tells how the London Metal Exchange “broke” the copper cartel of the 1880s to open the way for the U. S. system to dominate. In chapters 3 and 4, Duncan Money, a researcher at the African Studies Centre, Leiden University, and Jeremy Mouat, former MHA president and history professor emeritus of Alberta University, unveil how mining engineers from the U. S. devised “new technologies” and “racialized labour management” to provide a template for copper ventures across the globe. Mouat shows how the American system allowed for “transferability of technologies” across geographies to transcend the earlier Welsh system. The last chapter in Part 1 by Ingeborg Guldal and Freda Benda Jenssen, both of whom are PhD researchers in the Department of Modern History and Society at the Norwegian University of Science and Technology, use a “transnational and comparative approach” to suggest that the nationalization of the copper industry in Bougainville and Zambia in the 20th century allowed politicians to consolidate state sovereignty and provide a model for the formulation of national economic and political power in Papua New Guinea.

Part 2 (pages 139-222): “Grounding Copper: Communities and Socio-Ecological Transformation” reveals how copper production impacted “social relations” by examining recent scholarship that tells “how social and labour relations formed in the frontiers of production.” Chapter 6 authored by Angel Pascual Martínez-Soto, Miguel Á. Pérez de Perceval, and Susana Martínez-Rodríguez, economic historians in the Department of Applied Economics at the University of Murcia, tell of Cuba’s role as “a crucial component of the internationalizing copper industry in the mid-nineteenth century in the Welsh system” and how free, enslaved, and indentured laborers worked alongside Cornish miners to produce the red metal in the Caribbean. Iva Peša, history professor at the University of Groningen, in Chapter 7 uses oral histories of the Central African Copperbelt to tell the experiences of workers and their families within a restrictive corporate paternalism, which stifled any efforts to protest and combat industry pollution and other disruptions. In the following chapter, Brian Leech, long-time MHA secretary and history professor at Augustana College, uncovers the effects of “forced relocation” of employees and their

families with the expansion of Bingham Canyon. His narrative tells how the Kennecott Copper Corporation created, then dismantled the town and the difficult outcomes for the community. He also places the Utah story in the context of similar occurrences in Arizona, New Mexico, and elsewhere. Erik Eklund, who holds an honorary professorship at the Australian National University, in Chapter 9 examines the formation of resource nationalism in the copper industry down under in the early 20th century. He shows how the government displaced German companies to nationalize the continent's copper deposits and manufacturing units while also providing governmental support for small, local operators.

Part 3 (pages 223-334): "Haves and Have-Nots: Copper in the Age of National Control" concludes that global developments provided a template for countries nationalizing the industry in the postcolonial epoch. In Chapter 10, Patricia Sippel, professor emerita at the Toyo Eiwa University, shows how Japanese copper industry experts, who initially borrowed techniques from corporations from abroad, created innovations that allowed for Japanese ownership and control of the nation's copper production in the first half of the 20th century. Robrecht Declerq, postdoctoral researcher in global history with an affiliation with Ghent University, follows with Chapter 11, showing how U. S. mining engineers devised "a vertically integrated community chain" to incorporate Katanga ores within an emergent Belgian industry to allow the Europeans to monopolize the Central African industry. Abdolreza Alamdar, a freelance writer, and Ali A. Saeidi, professor of sociology at Tehran University, delineate the 1960s disintegration of "corporate power in the copper industry" in Iran, which gained control of its deposits even though it was dependent on the expertise of former employees of the Anaconda Copper Company. Their story reveals the impact of nationalization during the precipitous decline of one of the U. S.'s longest tenured copper corporations.

In Chapter 13, Ángel Soto, professor of economic history at the Universidad de los Andes, and Alejandro San Francisco, faculty member at the University of San Sebastian and the Pontifica Universidad Catolica de Chile, tell of "the Chileanization of the copper industry," which ended multinational foreign domination of copper in favor of national control in the 1970s. "Ideas of nationalization and resource nationalism became widespread, and the global copper oligopoly was replaced by intergovernmental negotiations and agreements, revealing a deep divide between consuming countries in the Global North and producing countries in the Global South." In the final essay, Chapter 14, Hans Otto Frøland, professor of contemporary history at the Norwegian University of Science and Technology, wraps up this extraordinary volume with a careful look at the connection between resource-dependent and resource-producing nations and how the latter countries used stockpiles as a bargaining chip in the import-export market. He concludes the book fittingly by unveiling the "international political economy of the postcolonial world of copper."

The evolution of the "world of copper" and its history and production is familiar to MHA members. Some will find this story compelling and intriguing. Others, especially those who were direct participants, may find it painful to read, which should not take away from the erudite research and conclusions of the authors. In the end, copper's story over the last century plus convincingly reflects the history of the world—with its imperialistic as well as anti-colonial features—in modern times. The authors show how American mining engineering innovativeness and know how fostered the modern world of copper that allowed for U. S. companies to dominate the industry. Yet, the American efforts also allowed other nations with vast deposits of the red metal to gain extraction and production knowledge. With that imported expertise, the copper nations around the globe thwarted western monopolization of the industry in favor of national control of one of the most important minerals in world history. I highly recommend *Born with a Copper Spoon* to our membership.

Chris Huggard, MHA President 2022-2023
Fayetteville, Arkansas
chuggard@nwacc.edu

Warm Up With MHA Nuggets

To prepare yourself for a conference filled with even more opportunities to learn, please join us for MHA Nuggets the third Tuesday of the month on Zoom. Each Nugget includes a mining related presentation and social time to spend with your MHA friends!



MHA Nuggets

March 21
April 18
May 16

8:00 pm Eastern
7:00 pm Central
6:00 pm Mountain
5:00 pm Pacific

5 minutes of social time
20/25 minute presentation
Questions/social time

Zoom Meeting, Passcode: MHA
OR
LiveStream on YouTube
Mining History Association channel

MINING HISTORY ASSOCIATION

March 21, 2023

Touching the Irish Famine in a 19th Century Pauper Cemetery: The Effort in Leadville, Colorado to Memorialize 1000 Irish Immigrants Buried in Sunken, Ap

By James Walsh

Meeting ID: 844 0004 6536 Password: MHA

April 18, 2023

"Comstock Photos"

By Kelly Cluer

Meeting ID: 899 1358 9221 Password: MHA

May 16, 2023

"President Engine House Project, Lehigh Valley, PA"

By Mark Connar

Meeting ID: 890 6541 0864 Password: MHA

The presentations will also be livestreamed on YouTube during the presentation and recorded for later viewing on the Mining History Association YouTube channel. To utilize the chat features or ask questions during or after the program, you should login using Zoom.

We have openings for talks next Fall. Your topic doesn't have to be academic. Topics can include a visit to a historic mining site or town or an interesting little topic that you happened to find out about. Send an email to mininghistoryassociation@gmail.com if you would like to present an MHA Nugget in the future.

In Memorium

As we look forward to renewing acquaintances in Socorro, we also take time to remember those members and former members that are no longer with us.

Charter MHA member **Ruth Richmond Gardner** passed away in October 2022 in Colorado Springs, Colorado. She received her B.S. in mechanical engineering from the University of Nebraska in 1956. Following two years in the Engineering Department of Kennecott Copper Corporation's Western Mining Division at Salt Lake City, she worked as a technical writer and an administrative engineer. In 1978 she became the first woman to earn a master's degree in mining engineering from the University of Nevada, Reno. After graduation she worked in Wyoming's uranium fields and at West Tintic, Utah, before retiring in 1989. She was also a long-time member of the American Institute of Mining Engineers and of the Society for Industrial Archaeology.

Brian Raymond Hill passed away in his home on August 31, 2022. Brian enjoyed prospecting and his prospecting efforts paid off when his Company 'Kia Ora' was listed on a Stock Exchange during the heady days of the Poseidon nickel boom of the late 1960s. He completed his PhD at Flinders University with a thesis based on the activities of New Zealand mining entrepreneur David Zinman. Brian contributed to mining history in many ways. He authored nine articles in *The Journal of Australasian Mining History* donated 4,000 books from his collection to the Federation University, Ballarat. He and his wife Nola were frequent attendees at our conference.



Kelly Mine and Mill – Part of the Sunday Tour

Welcome to the 33d Annual MHA Conference, Macey Center, New Mexico Tech, Socorro, New Mexico

Welcome

We welcome you to the 33rd annual meeting of the Mining History Association. Socorro and the surrounding landscape, from the Rio Grande to the over 10,000 feet high Magdalena Mountains, is a perfect venue for our group, with its multi-cultural history, varied scenery and outdoor opportunities, and, of course, rich mining history. The best way to orient yourself is to browse the Socorro Tourism website. They list museums, attractions, birding sites, restaurants, hotels, maps, news and media, events, and much more. The web page link is: <https://www.socorronm.org/>

Visiting Socorro in the Land of Enchantment

As part of its guidebook series, New Mexico Bureau of Geology and Mineral Resources' Virginia T. McLemore and Mark R. Bowie prepared an excellent introduction to the history, from the Spanish period to recent settlement, vegetation and geography, mining and geology of the Socorro area. The guide includes six road trips into the surrounding hills, with maps and photographs along the way. We recommend you use the guide's maps of Socorro and New Mexico Institute of Mining and Technology's campus to find your way around town and to the Macey Center on the northwest side of the campus. Co-author Virginia McLemore will be our conference opening speaker and tour guide. The guide *Socorro Area Guidebook*, Socorro: New Mexico Bureau of Geology and Mineral Resources, 1987, can be downloaded as a PDF at:

https://geoinfo.nmt.edu/publications/guides/Socorro/Socorro_Guidebook.pdf

General Information

Socorro is at an elevation of 4,600 feet in the Rio Grande Valley, a modern community with a long historic past. The weather should range from 55 degrees to low 90s, with rare chance of rain and with a comfortable 25% average humidity during June. Dress is western casual, but for some of the tours its best to wear sturdy

walking shoes and long pants. You should plan to have extra water and snacks at hand, especially for the field trips. The tours will include excursions into the desert where the usual precautions of desert travel apply – plenty of water, watch for things that prick or bite, and avoid snakes.

There are several communities within Socorro: the New Mexico Tech oasis, the historic plaza area, and the modern commercial strip along California Street. The historic plaza, San Miguel Mission, and surrounding neighborhood reflect the Spanish roots of this multi-cultural community. The university area has high-tech research institutions, and the strip along California Street has the usual chain hotels, fast food, gas stations, and commercial strips, as well as a couple funky shops that sell Mexican import ceramics and folk art.

Lodging

There is no conference hotel, but the **Holiday Inn Express** has offered a special rate to MHA conference attendees. The Holiday Inn's conference rate starts at a very reasonable \$98.00 per night, plus tax. The number of blocked rooms is limited, and the booking window is open. **EARLY RESERVATIONS ARE STRONGLY ENCOURAGED.** Be sure to mention the Mining History Association when booking your conference rate room. Holiday Inn Express 1040 North California Street, Socorro, NM, 87801. Direct: 575-838-4600 and mention "MHA." We have double queen and single king rooms. California Street has the usual hotel chains found along the Interstate-25 corridor; the nearest to the New Mexico Tech campus being off the northern exit into Socorro.

Other lodging can be found at: <https://www.socorronm.org/lodging/> a brief list includes: Best Western, Comfort Inn & Suites, Casa Blanca B & B, Cranehaven B & B, Days Inn, EconoLodge, Lone Pine Inn, Super 8 Motel.

Renew MHA Dues with Conference Registration

You can easily join or renew your membership on the Conference Registration Form. (The mailing label on your newsletter indicates the calendar year through which your dues are paid). Dues are \$35 per year, International (non-US) \$45. We have a \$20 student rate. We are grateful to those members who renew at the Sustaining (\$60), Patron (\$100), or Corporate (\$500) membership rate. Your careful attention to dues payment helps save the MHA money for reminders—Thank You!

Hammel Museum

The Hammel Museum of the Socorro County Historical Society will be open to all conference participants between 2 p.m. and 4 p.m. Saturday. Located at 500 6th St.

Restaurants in Socorro

Unfortunately, the restaurants are only open until 8pm. The fast food places and Dominos are open later.

REGISTRATION

It is highly recommended that MHA members register early because tour buses and dining room chairs often fill up quickly.

Box Lunches

We are offering the option of box lunches on Friday so you don't have to leave the Macey Center. The lunches are also part of the Sunday tour and must be ordered on the registration form.

Sandwiches: Chicken w/provolone, avocado, arugula, and garlic mustard aioli or Italian w/ham, pepperoni, salami, provolone, tomato, and lemon-oregano vinaigrette

Salads: Cobb Salad w/romain, grilled chicken, tomato, red onion, avocado, bacon, blue cheese, egg, and creamy balsamic dressing or Berry Spinach Salad w/spinach, arugula, purple cabbage, almonds, strawberries, blueberries, red onion, feta cheese, balsamic vinaigrette.

A registration form is at the back of this newsletter and pay by check, or you can register online and use a credit card at: <https://mininghistoryassociation.org/Socorro2023.htm>

Registration packets can be picked up:

Thursday: 7:30-9:00 am in the lobby of the Holiday Inn Express, and then 1 pm to 7 pm at the Mineral Museum.

Friday: 7:30 am – 2 pm in the upper lobby of the Macey Center.

Saturday: 8:30 am – 9 am in the upper lobby of the Macey Center.

Meeting Venues

Most of the conference events will be held at or start at the Macey Center on the NMTech campus, 801 Olive Lane.

The Thursday Reception will be at the New Mexico Bureau of Geology Mineral Museum located at Bullock Blvd and Leroy Place.

The Awards Banquet on Friday will be at the Fidel Center.

Conference Vendors

Tables are \$35 and available Friday 8am – 5pm and Saturday 8 am – Noon. Please email mininghistoryassociation@gmail.org if you would like a table.

Zoom

The conference sessions will be available to watch live on Zoom. They will only be available live according to the schedule which will be in Mountain Time Zone. There is a Zoom registration fee. It is per viewing location, not per person.

Covid

There are currently no Covid-related restrictions at any of the venues, but we ask participants to remain informed and safe.

Optional Tours

Note: All tours are on a first come first served basis. Seating will be limited by bus sizes, so please make your reservations early. The Sunday tour is a carpool in your own vehicle or ride with a friend.

Thursday 8:30 to 10:30 a.m. Walking Tour of Socorro's Historic Plaza area

\$10 fee per person, **Limit 20 participants**

Tour guide Robert L. Spude

From the gazebo on the historic plaza in Socorro's old town, our guide will lead participants on a walking tour of the historic sites and structures representative of the rich cultural history of Socorro.

The tour will highlight the impact of the arrival of the railroad and mining boom of the 1880s on the historic architecture and landscape, along with some legends of vigilante violence and folk tales. We will walk through the San Miguel Historic District past the adobe Garcia Opera House through the Elfego Baca Heritage Park to the historic San Miguel Mission Church, all listed on the National Register of Historic Places.

The tour will include stops in the 1880s adobe Garcia Opera house with its historic theater and the San Miguel Mission Church. (We will visit the Socorro County Historical Society's Hammel Museum Saturday, which will be open from 2 p.m. to 4 p.m. for conference attendees).

In addition, an 1840s small smelter site will be pointed out with discussion of archeological evidence of Mexican period mining and smelting. The tour will return to the plaza via the 1918-1919 Val Verde Hotel, also listed on the National Register of Historic Places, and the early brick business blocks of Manzaneros Street that once served as gateway for travelers from the railroad depot to the plaza. Our tour will end back at the Gazebo on the plaza. Lunch on own.

Saturday 2 and 3 p.m. to 5 p.m. Half Day Socorro town and mining district sites

\$40 fee per person, **Limit 52 participants**

Tour guides Robert L. Spude, Virginia T. McLemore, and Socorro County Historical Society volunteers

Includes bus transportation.

The tour starts at the Macey Center, right after the Presidential lunch (a second bus pick up at 3 p.m. will be arranged for those attending the business meeting). We will take the bus through campus to the historic plaza and surrounding historic district and historic homes past the San Miguel Mission to the Hammel Museum for a visit through the museum.

The museum is a former brewery built to serve the mining boom of the 1880s, the Gay nineties, and on until prohibition. Besides brewery remnants, exhibits tell the history of Socorro. Our next stop will be the abandoned railroad grade and ruins of the silver-lead Billing smelter (1882-1893), a major plant during the 1880s mining boom built by Gustav Billing who relocated here from Leadville. A stop with walking tour of the site is optional, depending on the heat of the day.

Next stop will be for a peek into the perlite quarry on the edge of town, the most extensive perlite mining operation in North America. Socorro is a major producer of this mineral, all on the same mountain as several of the early silver mines, from the Spanish era through the Mexican and early American periods to when Coloradans rushed in and operated the 1880s Merritt and Tarrance mine and mill sites.

The tour ends back at the Macey Center. Note, the Hammel Museum will be open to all conference participants between 2 p.m. and 4 p.m., not just our tour group. Dinner on own.

Sunday 8 a.m. to 5 p.m. All-Day Tour to Magdalena, Kelly, and the Very Large Array

Tour fee: \$40 [the VLA requires reservations which MHA will do for participants before the conference].

A box lunch will be included in the tour fee.

Limit 40 participants

Tour guides Robert L. Spude, Catherine H. Spude, and Virginia T. McLemore

The carpool tour will use mostly U. S. 60 and other paved roads, reasonably good, but dusty, gravel county roads, and a mile of graded and drained rough road to the parking lot of the church at Kelly ghost town. After lunch we will drive U.S. 60 to the Very Large Array visitor center.

Note: If participants wish to, they may depart the tour early in your own vehicle at any time, for example, to catch a plane in Albuquerque. We will still need to charge a full tour fee.

On Sunday morning, we will gather in the parking lot of the Macey Center and depart at 8 a.m. We caravan to U.S. 60, then turn west on the highway, which parallels the abandoned branch railroad grade for the thirty-mile drive to Magdalena, elevation 6500 feet. We will stop at the historic depot (now library) and the Boxcar Museum in Magdalena, former railroad terminus, cattle trail town, and supply center for the surrounding Magdalena Mining District. Though discovered in the 1860s, mining in the Magdalenas did not boom until the arrival of the railroad in 1883. The Socorro County Historical Society web page has much about the history of the district, its mines and communities with excellent historic photographs—a website worth visiting before the conference.

Our group will drive three miles from Magdalena to the parking lot at Kelly's church, its last standing structure, with a brief stop at the Graphic smelter site (later Ozark flotation mill site). At Kelly we will divide into two groups, first with those interested in mining camp archeology of Kelly, its cemetery and streetscape, and second those interested in the

Kelly area geology and minerals, and history of the mine and mill site above the town (this group will walk on sections of road with rough terrain; bring a cane for balance). Kelly ghost town is in the mountains, at a cool tree-shaded 7400 feet.

After lunch the tour drives thirty miles or so west to the Very Large Array visitor center. The group will leave the VLA by 4 p.m. for the sixty-mile, hour return drive to Socorro, reaching the Macey Center around 5 p.m.

Note: some site access may be impacted by weather which may cause changes to the tour. Also, the Very Large Array visitor center may have some Covid Restrictions still in place by the time of our tour.

Planning Committee Thank-Yous

Thanks to the NM Bureau of Geology and Mineral Resources for welcoming us into their exceptional Mineral Museum, New Mexico Tech's Macey Center staff, to the Socorro County Historical Society for opening their Hammel Museum to us, to Dicalite perlite mine, and to Stanley E. Dempsey, Sr. for support.

CAMPUS MAP

(Looking West toward Socorro Peak)



SIDE TRIPS ON THE ROAD TO SOCORRO FOR THE MHA

The Camino Real de Tierra Adentro National Historic Trail is outside of Socorro with a visitor center and walking trail. Nearby is the Civil War battle field of Valverde with Ft Craig National Historic Site open to visitors but only a contact station and ruins, no visitor center.

<https://www.nps.gov/elca/index.htm>

New Mexico Mining Museum, Grants, NM- Interprets the uranium mining industry history with exhibits and an underground uranium mine. An hour west of Albuquerque, the museum is worth a side trip on the road to Socorro.

<https://www.facebook.com/newmexicominingmuseum>

The Best Ghost Towns in New Mexico - The state tourism bureau's column "New Mexico True" rated the best ghost towns. We can quibble a bit, but overall, these ghost towns are worth a side trip. Their selection can be found on this link:

<https://www.newmexico.org/places-to-visit/ghost-towns/> We like Kelly, Mogollon, Chloride, White Oaks and more - far, but not too far from Socorro.

Santa Fe - *The* tourist draw for most visitors to New Mexico, Santa Fe is two hours north of Socorro via I-25. Art, history, and its tri-culture roots make this a top-rated visitor destination, and well worth the side trip.

<https://www.santafe.org/visiting-santa-fe/visitors-guide/>

Salinas Pueblos Missions National Monument-A side trip from Albuquerque then along the Salt Missions Trail National Scenic Byway winds through mountain villages and

former missions of Abo, Quarai, and Gran Quivira, now part of the national monument, with a visitor center at Mountainair, all part of the story of the Spanish era salt trade into central Mexico.

<https://www.newmexico.org/places-to-visit/scenic-byways/salt-missions/>

UNESCO World Heritage Sites - Carlsbad Caverns National Park, Chaco Culture National Historical Park, and Taos Pueblo are all designated World Heritage Sites, each with its unique legacies, natural, prehistoric cultures, or prehistoric to modern living culture. Much information can be found on the web about these sites.

Albuquerque - It is the largest metro area in New Mexico and an hour north of Socorro via I-25. Around the old town district is the art and history museum, natural history museum, children's museum, and atomic museum, all worth a visit. South of old town is the zoo and aquarium. The annual balloon fiesta is October 1-9, 2022. <https://www.visitalbuquerque.org/>



The 1880s Socorro business district
Part of the Thursday Walking Tour

**Mining History Association
Conference Schedule
Socorro, NM, 8-11 June 2023**

THURSDAY:

7:30-9:00: Registration Table in the lobby of the Holiday Inn Express

8:30-10:30: Walking Tour of Socorro (\$ and registration required)

1:00-7:00: Registration Table at the Mineral Museum

2:00-4:00: MHA Council Meeting, Copper Room, Macey Center – all MHA members may attend

6:00-8:00 Reception at the Bureau of Geology Mineral Museum (included in registration)

FRIDAY:

7:30 – 1:00: Registration Upper Lobby of the Macey Center.

7:30-8:30: Breakfast Tacos! (and pastries) included in the registration fee.

8:00-8:45: Opening Session (Chris Huggard, chair): Opening Remarks and Announcements. Keynote Speaker, Dr. Virginia McLemore, **Principal Senior Economic Geologist** New Mexico Bureau of Geology and Mineral Resources, Socorro: “The Influence of Mining on a Small Town: Socorro, New Mexico”.

8:45-9:00: Break.

9:00-10:15: Session 1 (Eric Clements, chair): Modern Mining:

Carol R. Sullivan, “Boom Town Life in Grants, New Mexico”

Clark Niewendorp, “Lakeview, Oregon, in the Atomic Age”

Jennifer Dunn, “The EPA Comes to Libby: Anti-government Anger and the Superfund Program in a Montana Town”

10:15-10:30: Break.

10:30-11:45: Session 2 (Ginny Kilander, chair): Coal:

Stephen Hart, “Thurber, Texas: Geologic Anomaly, Mineral Riches, Ghost Town”

David Ware, “Mining the Tax Code: ‘Clean Coal’'s Collapse in Arkansas”

Devlon Shaver, “A History of Coal Mining in New Mexico”

11:45-1:15: Lunch on your own. Box lunches available for pre-order with registration.

1:15-2:05: Session 3 (Silvia Pettem, chair): Women in Mining:

Jane Bardal, “Mrs. Captain Jack, Mining Queen of the Rockies”

Robert Spude “Best Analyst in the United States”: Women Assayers in the American Mining West, 1880-1920

2:05-2:15: Break.

2:15-3:30: Session 4 (Jane Bardal, chair): Mining and the Arts:

Ginny Kilander, “Excerpts from *Solo Safari to South Africa*, featuring 1950s Gold and Diamond Mining Travelogues, by Mildred Stead Capron”

Brian Leech, "Like a Canary in a Coal Mine: How a Mine Safety Technique Became a Popular Metaphor"

Richard Francaviglia, "*Green Fire*: The Cinematic Depiction of Early 20th Century Colombian Emerald Mining."

3:30-3:45: Break.

3:45-5:00: Session 5 (Catherine Spude, chair): Cemeteries:

Mike Kaas and Mark Connor, "The Colesville Cemetery in the Friedensville, Pennsylvania Mining District"

Silvia Pettem, "Gone but Not Forgotten: The Caribou Cemetery Restoration Project"

Eric Clements, "Looking for Laura: A Mining Camp Mystery"

6:00-6:30: Social Time at the Fidel Center

6:30-9:00: Fidel Center: Awards Banquet. Speaker: Rick Hendricks, Director of the New Mexico Archives Department and former State Historian, Santa Fe: "A Glimpse of Mining History in Spanish and Mexican New Mexico: No, Really."

SATURDAY:

8:30-1:00: Registration, upper lobby of the Macey Center

9:00-10:15: Session 6 (Mike Kaas, chair): The Eclectic Session:

William Culver, "The First Electrolytic Copper Refinery in the U.S.A.: Nomination for the Pennsylvania Historical Marker Program"

Virginia McLemore, "Mining History of the Steeple Rock District, Grant County, New Mexico"

Ed Raines, "Scamming Their Way from the Comstock to Lake Valley, New Mexico, by way of Leadville"

10:15-10:30: Break.

10:30-11:45: Session 7 (William Culver, chair): The Magdalena Mining District:

Jack Waldron, "A Short History and Geological and Mining Review of the Magdalena Mining District, New Mexico"

Harley Kozushko, "Working at the Waldo Mine, Magdalena, NM, 1999-2004"

Catherine Holder Spude, "Introduction to the Mine and Townsite at Kelly, New Mexico"

11:45-12:00: Break.

12:00-1:30: Upper Lobby of the Macey Center: Presidential Luncheon: Dr. Dana Bennett, "'The Constant Battle of the Mine Operators for Protection of the Industry' in the 20th Century: The Case of the Nevada Mining Association"

1:30-1:45: Break.

1:45-2:45: Business Meeting.

2:00-5:00: Local Museum and Mine Tour, with busses departing at 2 p.m. and 3 p.m.

SUNDAY:

8:00-5:00: Car Tour to Magdalena, Kelly, Very Large Array. Leaves from Macey Center parking lot.

MHA Conference Registration – Socorro, NM June 8-11, 2023

Name (for Badge) _____
 Spouse/Partner Name _____
 Mailing Address _____
 City/State/Zip/Country _____
 Email _____ Telephone _____

Please DO NOT list me in the conference packet () Circle YES or NO to list email in packet

	Per Person	Number Attending	Total
Members	\$ 80	_____	\$_____
Non-Members	\$ 90	_____	\$_____
Spouse/Partner	\$ 75	_____	\$_____
Student w/ School ID	\$ 40	_____	\$_____
Partial conference for			
Fri Afternoon & Sat Morning only	\$ 50	_____	\$_____
Zoom Only Fee (flat fee, not per person)	\$ 35	_____	\$_____
THURSDAY			
Walking Tour of Socorro	\$10	_____	\$_____
Reception	Included	_____	
FRIDAY			
Taco Breakfast	Included	_____	
Box Lunch Please circle your Choice:			
Chicken Sandwich, Italian Sandwich,			
Cobb Salad, Berry Spinach Salad	\$ 16	_____	\$_____
Awards Banquet	\$ 50	_____	\$_____
SATURDAY			
Presidential Luncheon	\$ 40	_____	\$_____
Local Museum and Mine Tour	\$ 40	_____	\$_____
SUNDAY			
Field Trip to Magdalena & Kelly	\$ 40	_____	\$_____
Box Lunch included, please circle your Choice:			
Chicken Sandwich, Italian Sandwich,			
Cobb Salad, Berry Spinach Salad			
<u>2023 Membership Dues</u>	\$ 35 US	_____	
(<u>only</u> if you haven't renewed	\$ 45 Internat.	_____	\$_____
Or joined for 2023 – check the mailing label)	\$ 20 Student	_____	

TOTAL DUE: \$_____

Mail to: MHA
 PO Box 1536
 Cape Girardeau MO 63702

Mining History Association
PO Box 1536
Cape Girardeau MO 63702-1536

Upcoming Events

Arizona History Conference

Tempe, Arizona
April 13-15, 2023

International Conference of Mining and Underground Museums (ICUM2023)

Wieliczka, Poland
May 22-25, 2023

Mining History Association Conference

Socorro, New Mexico
June 8-11, 2023

Western History Association

Los Angeles, California
October 26-29, 2023

Mining History Association Conference

Park City Utah
June 5-9, 2024

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Spring issue: February 15th
Summer issue: June 15th
Fall issue: September 15th

Submissions for the newsletter should be sent to Paul R. Spyhalski at prspyhal@yahoo.com with MHA at the start of the subject line.

Change of address: Please send all address changes to Barbara Clements, Membership Chair, at mininghistoryassociation@gmail.com

or

Mining History Association
PO Box 1536
Cape Girardeau MO 63702-1536