You are invited to attend the
41st NEW MEXICO
MINERAL SYMPOSIUM
November 12 – 14, 2021

Dr. Jeffrey E. Post
Smithsonian Institution
Featured Speaker

Macey Center
New Mexico Institute of Mining and Technology
Socorro, New Mexico

The Mineral Symposium is organized each year by the New Mexico Bureau of Geology and Mineral Resources.

Sponsors
- Albuquerque Gem and Mineral Club
- Chaparral Rockhounds
- Los Alamos Geological Society
- New Mexico Geological Society Foundation
- Friends of Mineralogy
- City of Socorro
- Grant County Rolling Stones
- Friends of Mineralogy—Colorado Chapter

The New Mexico Mineral Symposium provides a forum for both professionals and amateurs interested in mineralogy. The meeting allows all to share their cumulative knowledge of mineral occurrences and provides stimulus for mineralogical studies and new mineral discoveries. In addition, the informal atmosphere encourages intimate discussions among all interested in mineralogy and associated fields.

This year’s symposium will consist of a day and a half of formal papers presented in 30-minute time blocks. Papers will focus on mineral occurrences from New Mexico and adjacent states, as well as Mexico. A few selected papers may be presented from other parts of the world. An informal pre-symposium social and tailgating session will be held at local motels beginning on Friday, November 12, 2021, and will last through the weekend.

The general registration fee for the symposium is $50, and the fee for students is $25 (with student ID). On-site registration will cost an additional $10 each. Mineral Symposium registration includes a copy of the abstracts, two continental breakfasts, and coffee breaks.

A cocktail hour and dinner will be held on Saturday, November 13, 2021. A cash bar will be available. The cost for the dinner is $30 for adults, $10 for children (2-12 years old). A silent and live auction to benefit the symposium will conclude the evening’s activities. The dinner and auction will be in the Fidel Center.

A Friends of the Mineral Museum reception will be held at the museum from 5 pm to 7 pm. An informal tailgating session will be held at local motels beginning on Friday and will last through the weekend. You can join the “Friends” group at the reception with a donation of $25 or more.

Dr. Jeffrey E. Post received BS degrees in geology and chemistry from the University of Wisconsin-Platteville, and his Ph.D. in chemistry, with a specialty in geochemistry, from Arizona State University. Prior to joining the Department of Mineral Sciences at the Smithsonian Institution in 1984, he was a Postdoc Research Fellow for three years in the Harvard University Geological Sciences Dept. He was Chairman of the Dept. of Mineral Sciences 1989–1994 and 2014–2019, and since 1991 he has served as Curator of the U.S. National Gem and Mineral Collection. Dr. Post was the lead Curator for the Janet Annenberg Hooker Hall of Geology, Gems and Minerals that opened in 1997.

His areas of research interest include mineralogy, gemology, and geochemistry. He has published more than 125 scientific articles in these fields. He is the author of The National Gem Collection, and the recently published: The Smithsonian National Gem Collection—Unearthed: Surprising Stories Behind the Jewels.

The Copper Flat mine is a porphyry copper/breccia pipe deposit located west of Truth or Consequences, approximately 100 miles south and west of Socorro (driving time 1.5 hours). We will be able to collect at the open pit and surrounding rock piles, as well as set up some gold panning in the creek. Directions: From I-25, take exit 63 for Hillbombs and head west on Hwy 152. Turn at the Teson. Copper Flat sign and follow dirt road to the gate, keeping to the right. Do not cross the creek. Everyone will have to sign a company waiver. Please RSVP to Virginia McLemore (Virginia.McLemore@nmt.edu). Bring lunch, water, and digging tools. Meet at the gate to the mine at 9 am.

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New Mexico Bureau of Geology and Mineral Resources
801 Leroy Place
Socorro, NM 87801-4750

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**SCHEDULE OF EVENTS**

**Friday, November 12, 2021**
- **9:00 am**
  - Field Trip—Copper Flat Mine, Sierra County, NM. Meet at mine gate
- **10:00 am**
  - Friends of the Museum Reception—Headen Center
- **12:00 pm**
  - Lunch

**Saturday, November 13, 2021**
- **9:00 am**
  - Registration—Macey Center, continental breakfast
- **10:00 am**
  - Opening remarks, main auditorium
- **10:30 am**
  - The Maybee Quarry, Maybee, Michigan—Christopher Stephano
- **11:00 am**
  - Rainbows and rumblings from the Keweenaw of Upper Michigan—Thomas Rosemeyer
- **11:30 am**
  - Coffee and burrito break
- **12:00 pm**
  - From gold to lead: The mineral riches of the Leadhills-Wanlockhead mining district, Scotland—Philip Simmon and Erin Develter
- **12:30 pm**
  - Minerals of the Naica Mine, Chihuahua, Mexico—Philip Simmons and Erin Delventhal
- **1:20 pm**
  - Ramblings and rumblings from the Keweenaw of Upper Michigan—Thomas Rosemeyer
- **2:00 pm**
  - Orogrande district, Otero County, New Mexico—Patrick Haynes
- **2:30 pm**
  - A rediscovery of epidote pseudomorphs after orthoclase from the Manzano district, Socorro County, New Mexico—Ramon S. DeMark, Michael Michayluk, and Thomas Katonak
- **3:00 pm**
  - Fabulous vanadates, arsenates, and phosphates from New Mexico—Barbara L. Muntyan
- **3:30 pm**
  - Minerals of the Quebradas, Socorro County, and the Spring West Mine, Cibola County, New Mexico—Philip Simmons and Erin Delventhal
- **4:00 pm**
  - The Maybee Quarry, Maybee, Michigan—Matthew Bowersock
- **4:30 pm**
  - The New Mexico Mineral Symposium—Fidel Center Ballrooms
- **5:00 pm**
  - Registration—Macey Center, continental breakfast
  - Informal motel tailgating and social hour, individual rooms

**Sunday, November 14, 2021**
- **8:00 am**
  - Morning social, coffee and donuts
- **9:00 am**
  - Welcome to the second day of the symposium and follow-up remarks
- **9:30 am**
  - Morning social, coffee and donuts
- **10:00 am**
  - A rediscovery of epidote pseudomorphs after orthoclase from the Manzano district, Socorro County, New Mexico—Ramon S. DeMark, Michael Michayluk, and Thomas Katonak
- **10:30 am**
  - Minerals of the Quebradas, Socorro County, and the Spring West Mine, Cibola County, New Mexico—Philip Simmons and Erin Delventhal
- **11:00 am**
  - Mineral Museum (FREE)
- **11:30 am**
  - Silent auction, lower lobby, Macey Center, sponsored by the Albuquerque Gem and Mineral Club for the benefit of the Museum (FREE)

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**SOCORRO AREA LODGING INFORMATION**

1. Comfort Inn & Suites
   - 1259 Frontage Rd. NW
   - 575-418-6207
   - 66 rooms
   - (price includes breakfast)
   - "Government rate" is $96.00

2. Super 8 Motel
   - 1121 Frontage Rd. NW
   - 575-832-4626
   - 60 rooms
   - (price includes breakfast)
   - Rates vary online

3. Best Western Soco Inn
   - 1130 N. California Street
   - 575-838-0566
   - 120 rooms, 29 suites
   - (price includes breakfast)
   - Rates from $104.99

4. Holiday Inn Express
   - 1040 N. California Street
   - 575-838-4600
   - 77 rooms, 25 suites
   - (price includes breakfast)
   - Rates from $64

5. Red Roof Inn
   - 1059 N. California Street
   - 575-835-0276
   - 50 rooms
   - (price includes breakfast)
   - Rates from $79.99

6. San Miguel Inn
   - 916 N. California Street
   - 575-835-0211
   - 80 rooms
   - (price includes breakfast)
   - Rates from $65

7. Econo Lodge
   - 1259 Frontage Rd. NW
   - 575-835-0211
   - 66 rooms
   - (price includes breakfast)
   - Rates from $95

**MAP OF SOCORRO AND LODGING**

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**REFUND POLICY**

Participants have 14 days after the symposium to request a refund. After this time, no refunds will be issued. No-shows will be charged the full registration fee. **Registration, program information or questions** (575) 835-5302 or (575) 835-5140

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**41st NMMS REGISTRATION FORM 2021**

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**Check (check #_____________________)**

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**LOCATION**

**New Mexico Mineral Symposium**

**New Mexico Bureau of Geology and Mineral Resources**

**Macey Center**

**Fidel Center**

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