

NMGS Newsletter

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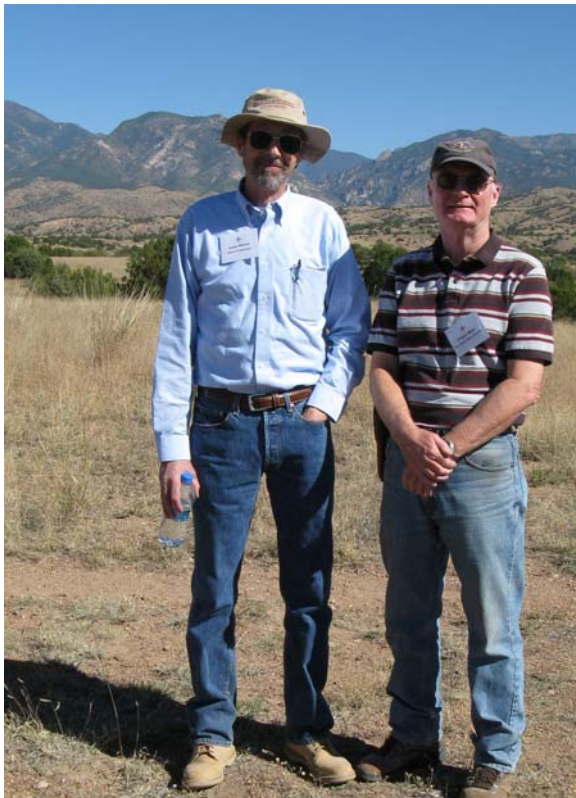
President's Message

Shari Kelley

We want to thank each and every one of you who took the time to respond to our survey. All in all, based on your responses, NMGS seems to be serving you pretty well, and we are happy to hear that. We were given sage advice about focusing on a few projects at a time and we were warned not to spread ourselves too thin. We agree with that philosophy. We had some intriguing suggestions for future field trips, such as Jim Ratté's suggestion of leading small groups on horse trips through the Gila Wilderness, and several suggestions for visiting our neighboring states. In terms of publications, there were a couple of common themes. A general lay-person guide to the roadside geology of New Mexico updated from the current publication or a lay-person guide to the geologic history of our state were perceived as important potential contributions. Barry Kues submitted a proposal for a book on the latter topic to the NMGS Publications Committee earlier this year. Another theme is developing a publication celebrating the lives and scientific contributions of geologic legends in New Mexico. Our state has been blessed to have many impressive people contemplate the geology here and that could be a fun book to write and read. The spiral-bound NMGS roadlogs are big hit - our hats are off to you, Virgil and Maureen, for seeing that idea come to fruition! Our new executive committee will seriously consider your many good suggestions as we develop plans for the coming year.

NMGS 2008 Fall Field Conference

The Fall Field Conference in the Silver City area October 23-25 was an outstanding success thanks to the great planning and hard work of Greg Mack (NMSU) and Jim Witcher (Witcher and Associates). Jim did a wonderful job of handling all food and transportation arrangements. Jim also obtained the hard-to-get U.S. Forest Service permit needed so that we could visit the geologically interesting features near Lake Roberts. Thanks to the many field trip speakers, including Greg Mack, Jim Witcher, Jim Ratté, Wolf Elston, Ginger McLemore, Kate Giles, Barry Kues, and Jeff Amato, for sharing their expertise about the geology of this region. Wolf Elston gave an entertaining and informative talk about his early research in the Mogollon-Datil volcanic field during our annual banquet. Once again, Virgil Lueth put together a very nice guidebook. Kitty Pokorny and Connie Apache ably and cheerfully took care of registration and publication sales, and Lewis Gillard and Dave McCraw kept the drink truck well supplied with snacks and beverages. We appreciate the efforts of everybody who contributed to the success of the conference!



Jim Witcher (left) and Greg Mack, our fearless field trip leaders.

Each year, the New Mexico Geological Society Foundation, the Los Alamos Geological Society, and the Jerry E. Mueller Scholarship for Earth Sciences at New Mexico State University offer opportunities for students to attend the Fall Field Conference. Typically we have funding to send 30 to 32 students to the Fall Field Conference. The financial assistance provided by these donors allows students to learn new concepts and meet professionals outside the typical classroom or conference meeting hall setting. We are grateful to these organizations and individuals for their continued support of student education.

The recipients of this year's scholarships and registration waivers are:

NMGS Fall Field Conference Scholarships

Eastern NM: James Carnes, Raelene Keesling

UNM: Linda Dreeland, Levi Lementino, Justin Dodd, Stephanie Mason

NM Tech: Matt Zimmerer, Josh Feldman, Amy Luther, Jake Ross, Rebecca Garcia, Andrew Fargo

NM Highlands: Adam Brister, Danielle Cedillo, Lara Hernan, Rachell Pitrucha.

NMSU: Ryan Bright, Matt Jones, Jordan Veney

Flaggers (registration waived by NMGS)

Amanda Aragon (NMHU), Richard Catterello(NMHU), Lorraine Garcia(NMHU), Louis Garcia(NMHU), Annie Riggins (NMSU), Crystal Carbajal (NMSU)

Los Alamos Geological Society Scholarships

Nicole Thomas (UNM), Lara Owens (NM Tech), Wayne Rust (NMSU) and Adam Brister (NMHU)

Mueller Scholarship

Donald Schoderbek (NMSU)



Students attending the Silver City Fall Field Conference.

2008 NMGS Honorary Member - Paul W. Bauer

Each year the New Mexico Geological Society recognizes a member for their extraordinary contributions to the Society over the years. This year our honoree is Paul Bauer, who is the associate director for government outreach and a senior geologist at the New Mexico Bureau of Geology and Mineral Resources in Socorro. Paul has contributed much to our understanding of the geology of the state of New Mexico through his own research and by facilitating the research of others. He began his career by sorting out the complex geology of the Proterozoic rocks of New Mexico, working in areas from the Taos Range to the Sacramento Mountains. Through the years his research interests have migrated toward the Taos area, where he has been instrumental in creating the detailed geologic maps and cross-sections needed to model the groundwater resources of the southern San Luis Basin. Paul managed the geologic mapping program for the Bureau between 1993 and 2004. New Mexico was often the state that received the most STATEMAP funding of the 47 states that applied to the program during Paul's tenure in that position. Dozens of new 1:24,000 scale geologic maps from Carlsbad to Farmington were completed as a result of his efforts. Many research programs developed as a consequence of the new mapping.



Paul Bauer and Shari Kelley in Silver City.

Paul has organized three fall field conferences for NMGS. The field trips in 1990 and 1995 visited numerous geologically interesting sites in the Sangre de Cristo Mountains. Discussion at Stop 5 during Day 1 of the 1995 trip led to a series of Geological Society of America publications focused on using Cretaceous shorelines as piercing points across the eastern boundary of the Colorado Plateau. Paul and his many colleagues led us to the Taos area in 2004. Several of the useful features in recent NMGS guidebooks, including the gray tabs that mark the roadlogs for each day, were developed during that field conference. Paul, we truly appreciate all that you do for NMGS!

Pipkin and Wellnitz Scholarship Awardees

Between May, 2008, and November, 2008, the New Mexico Geological Society Foundation gave out a total of \$28,375 in Pipkin book and senior awards, Wellnitz scholarships, and Fall Field Conference scholarships. Thank you, Kate Zeigler, for organizing this process. Congratulations students! The winners of the Pipkin and Wellnitz awards are listed below:

Lucille Pipkin Book Awards (\$150)

College of Santa Fe: Anna Kerley, John Serrano
NMHU: Danielle Cedillo, Hernan Lara, Rachell Pitrucha
NMMI: Matt Sanford, Paul Coleman
NMSU: Patricia Norman, Darrell Spragins, Valerie Hawkins
NMT: Jestina Gonzales, Shaun Finn, Antoinette Abeyta
San Juan: Chorina Randleman, Corwin Lameman, Devona Salt
UNM: Levi Lementino, Stephen Soltero, Zachary Gallegos
WNMU: Collin Boulay, Tim Arguello, Ryan Harrington

Lucille Pipkin Senior Scholarships (\$3000)

ENMU: James Carnes
NMHU: Joel Lowry
NMSU: Tristan Likes
NMT: Paul Slezak
UNM: Linda Dreeland

Robert Wellnitz Scholarship (\$1000)

NMSU: Matt Jones

Beverly Wellnitz Scholarships (\$500)

NMT: Colin Cikoski
UNM: Mel Strong

Student Proposal Deadlines

Graduate Research Grants-in-Aid, Frank E. Kottowski Award, and Pipkin Undergraduate Research Award submissions must be postmarked by Friday, **February 20, 2009**.

Details at: http://nmgs.nmt.edu/scholarships/NMGS_scholarship_details.pdf

Applications at: http://nmgs.nmt.edu/scholarships/NMGS_scholarship_packet.pdf

Upcoming Events

Spring Meeting: Macey Center, Socorro, New Mexico, April 24, 2009. Theme: Geochronology in New Mexico. Co-chairs: Jim Fassett, USGS (retired); Kate Zeigler

Future Fall Field Conferences

Commitments for field conferences are now outlined for the next three years. The field-conference venues and names of organizers are listed below. All members are encouraged to volunteer assistance to the organizers or to contribute to the guidebooks. If you live near or are involved with the geology in the vicinity of the future conference sites, please consider contacting one of the organizers. We are interested in hearing ideas for field conferences in 2012 and beyond. It's never too soon to start planning!

2009 Fall Field Conference - Chupadera Mesa - Socorro area

Field Trip Chairs: Virgil Lueth, NMBGMR; Spencer Lucas, New Mexico Museum of Natural History; Richard Chamberlin, NMBGMR

2010 Fall Field Conference - Four Corners region

Field Trip Chairs: Jim Fassett, USGS (retired); Kate Zeigler

2011 Fall Field Conference - Tusas Mountains

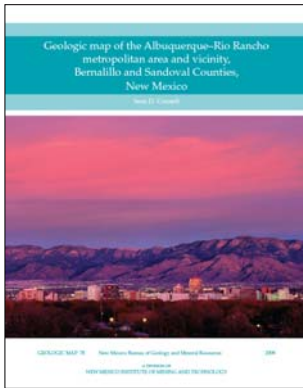
Field Trip Chairs: Dan Koning, Shari Kelley, Scott Aby, Kirt Kempter, and Karl Karlstrom

NMGS Publication Sales

Check out the new, improved NMGS web site! All NMGS and Bureau publications are now available for purchase online. There is a 35% discount for student members on all publications. Publications include the new guidebook for the Silver City region, the Geologic Highway Map, Special Publication 11 "Geology of New Mexico", and all of the Field Conference Guidebooks. Visit <http://nmgs.nmt.edu/publications/home.cfm> for prices and ordering information.

Scenes from Silver City.





NEW
from
The New Mexico Bureau of Geology & Mineral Resources
***Geologic Map of the Albuquerque-Rio Rancho Metropolitan Area and Vicinity,
Bernalillo and Sandoval Counties, NM***
by Sean D. Connell
\$24.95 retail*
Two oversized sheets, approx. 50" x 65"
Scale 1:50,000
Available in rolled or folded versions.

This new geologic map is a compilation of sixteen 7.5-minute quadrangle maps and encompasses an area from Tijeras Arroyo on the south to Santa Ana Mesa on the north, and from the crest of the Sandia Mountains westward across the Rio Grande and onto

the Llano de Albuquerque (West Mesa) west of the city limits of Albuquerque and Rio Rancho.

This geologic map graphically displays information on the distribution, character, orientation, and stratigraphic relationships of rock and surficial units and structural features. The map and accompanying cross sections represent the most informed interpretations of the known faults in the Albuquerque-Rio Rancho area that are presently available. This map also contains derivative maps selected to portray geologically important features in the metropolitan area, such as elevations of ground water levels, and the mostly buried boundary between generally poorly consolidated and saturated aquifer materials.

To order, please contact our Publication Sales Office at:

New Mexico Bureau of Geology & Mineral Resources, 801 Leroy Place, Socorro, NM 87801

Phone: (575) 835-5490 Fax: (575) 835-6333

E-mail: pubsofc@gis.nmt.edu

* Retail price does not include gross receipts tax for in-state customers or shipping/handling charges (\$5.00 additional charge for mailing tubes for rolled version)

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