# Service/News

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### New publications

### NMBMMR

\*Bulletin 154—Proceedings of the 31st Forum on the Geology of Industrial Minerals—the Borderland Forum, edited by G. S. Austin, G. K. Hoffman, J. M. Barker, J. Zidek, and N. Gilson, 1996, 330 pp. \$28,50

This volume includes 28 papers and 12 abstracts presented at the 31st annual meeting of the Forum on the Geology of Industrial Minerals held in El Paso, Texas, April 23–28, 1995. Five additional papers in this volume were not presented in El Paso but came from a session on industrial minerals in New Mexico at the 1994 annual meeting of the Society of Mining, Metallurgy, and Exploration (SME) held in Albuquerque. These 33 illustrated papers offer a comprehensive survey of the industrial minerals of the United States-Mexico border region: clay, garnets, humate, limestone, mica, nepheline syenite, perlite, potash, pumice, travertine, and zeolites, to name a few. Papers are abstracted in English and Spanish.

- \*Circular 204—Index to proceedings of the Forum on the Geology of Industrial Minerals—Twenty-sixth (1990) through Thirty-first (1995), compiled by G. S. Austin and G. K. Hoffman, 1996, 20 pp. \$2.50 The proceedings of the last six meetings are indexed by subject and by author(s). Also included are the tables of contents for the six proceedings volumes, a locator map for all past and future meetings through 1999, and a list of the sponsoring agencies for each meeting.
- \*Mines, mills and quarries in New Mexico, compiled by K. S. Hatton, J. M. Barker, M. Mansell, D. Sivils, K. Glesener, and L. Hemenway, 1996, 63 pp., 1 sheet, scale ~1:1,250,000. \$7.00 Data on mining operations were compiled jointly by the Mining and Minerals Division

of the New Mexico Energy, Mineral and Natural Resources Department and the New Mexico Bureau of Mines and Mineral Resources from registrations received in 1995. Mines and mills (in the first section of this report) and pits and quarries (in the second section) are numbered, listed alphabetically by county, coded with a symbol identifying the type of operation, and plotted on an ~1:1,250,000-scale map. Specific data listed for each entry include the name of the operation, the commodity mined or milled, ownership, address, current status, and location (township and range). Appendices include sources for state and regional maps; addresses of county courthouses, BLM and USFS offices, and Indian pueblos and reservations; three indices (commodity, mine and plant, and operator); and mineral-industries data on employment, production, mineral uses, and revenues.

Pricelist 26—Publications available from the New Mexico Bureau of Mines and Mineral Resources, August 1996, 39 pp. FREE

### Upcoming geologic meetings

Conference title	Dates	Location	Contact for more information
17th New Mexico Mineral Symposium	Nov. 9–10	Macey Center Socorro, NM	Lynn Heizler NMBMMR Socorro, NM 87801-4796 Phone (505) 835-5166 Fax (505) 835-6333
Society of Exploration Geophysicists	Nov. 10–15	Denver, CO	Meetings Dept. 1996 SEG Annual Meeting Box 702740 Tulsa, OK 74170-2740 Phone (918) 497-5500 Fax (918) 497-5557
28th Earth Treasure show, Los Alamos Geological Society	Dec. 7–8	Community Bldg., Los Alamos, NM	Earl Hoffman Phone (505) 662-7823
<b>1997</b> Tucson Gem & Mineral Society show	Feb. 13–16	Convention Center Tucson, AZ	TGMS Show Comm. P.O. Box 42543 Tucson, AZ 85733 Phone (520) 322-5773
Albuquerque Gem & Mineral Club show	Mar. 1–2	UNM Continuing Ed. Center Albuquerque, NM	Paul Hlava Phone (505) 265-4178 Mike Sanders Phone (505) 256-1797
Marine clastics in the southern Midcontinent	Mar. 26–27	Norman, OK	Kenneth S. Johnson Oklahoma Geol. Survey 100 E. Boyd, Rm. N-131 Norman, OK 73019 Phone (405) 325-3031 Fax (405) 325-7069
AAPG/SEPM annual meeting	Apr. 6–9	Dallas, TX	Stephen G. Franks ARCO Exp. & Prod. Tech. 2300 W. Plano Pkwy. Plano, TX 75075-8499 Phone (214) 509-3080 Fax (214) 509-3818
Canadian Institute of Mining, Metallurgy and Petroleum 99th annual meeting	Apr. 27– May 1	Vancouver, B.C.	Chantal Murphy CIM Secretariat Phone (514) 939-2710 Fax (514) 939-2714 E-mail: cmcim@login.net
New Mexico Geological Society spring meeting	Apr. ?	Macey Center Socorro, NM	Matt Heizler NMBMMR Socorro, NM 87801-4796 Phone (505) 835- Fax (505) 835-6333 E-mail: matt@nmt.edu
GSA Penrose Conference (see p. 96, this issue)	Sept. 10–15	Albuquerque, Taos, NM	William C. Haneberg E-mail: haneberg@nmt.edu J. Casey Moore casey@rupture.ucsc.edu Laurel B. Goodwin Igoodwin@nmt.edu Peter S. Mozley mozley@nmt.edu

### New Mexico Geological Society

### 1997 Spring Meeting—announcement and call for papers

The annual spring meeting will be held on Friday, April 18, 1997, at Macey Center on the campus of New Mexico Tech in Socorro. Abstracts are being solicited for presentations that focus on the geology of New Mexico and adjacent areas. Most presentations will be made orally, but some poster presentations will also be accepted. Abstracts must be received by **February 18, 1997**. They should be in GSA style and may include simple line drawings but must fit on an 8½×11″ page. Abstracts should be camera ready to appear in the proceedings volume; please also submit the abstract either on disk or via email for publication without illustrations in *New Mexico Geology*. A \$50 award will be presented to the author of the best student paper (a voluntary competition, posters not eligible). In honor of the 50th anniversary of the NMGS spring meetings, a special session, New Mexico Geology—the next 50 years, will be held at this meeting. Abstracts should be mailed to Matt Heizler, New Mexico Bureau of Mines & Mineral Resources, New Mexico Tech, 801 Leroy, Socorro, NM 87801-4796. Meeting programs and registration forms will be mailed in March. For registration information, contact Lynn Heizler, NMBMMR, (505)835-5166.For general information, contact the meeting cochairmen, Matt Heizler, phone (505)835-5244, email matt@nmt.edu; and Bruce Hart, phone (505)835-5752, email hart@nmt.edu.

### 1997 Fall Field Conference—Geology of the Four-corners Region Announcement and call for papers

The NMGS Fall Field Conference will explore the diverse geology and landscape of the Four-corners Region—Utah, Colorado, and New Mexico (Arizona gets short-shrift). It will all take place October 1-4. Our route is through the heart of the Colorado Plateau where much of its characteristic structure, stratigraphy, and landscape features are well displayed. These include Sleeping Ute Mountain; the excellent exposures of Jurassic rocks at Bluff, Utah; Mesaverde National Park; Mancos, Colorado; southern La Plata Mountains and Hesperus; Animas River valley and Durango; and the San Juan River valley including Upper Cretaceous coal-bearing strata and the Hogback monocline. We anticipate a 300-350-page guidebook containing 25-30 contributed papers and detailed road logs for the three-day conference October 2-4, 1997. Transportation will be provided in the form of maxivans, each with 10-12 passengers.

Although the conference will officially convene in Cortez, Colorado, the NMGS will offer van transportation from Albuquerque to Cortez on the afternoon of October 1. The purpose of this is three-fold: (1) it is efficient, (2) it makes it as convenient as possible for most conferees to get to Cortez, and (3) it gives the field-trip leaders an opportunity to point out the contrasts and similarities in Mesozoic strata between the southern San Juan Basin and southeastern Utah and Colorado. Everyone will be encouraged to take advantage of the complimentary van transportation (with refreshments) from Albuquerque to Cortez and return.

Day 1 will originate in Cortez, Colorado and proceed westward through McElmo Canyon with several stops offering excellent outcrops of Jurassic and Cretaceous strata. The route continues westward across the Utah State Line, through the Aneth oil field to the San Juan River. The ultimate destination is downstream a short distance to Bluff and surrounding area, with particular attention (and a stop) being devoted to the type locality of Gregory's (1938) "Recapture Member" of the Morrison Formation and de facto reference section of the "Westwater Canyon Member," The return route takes us through the Four Corners National Monument for a stop and our only "brush" with Arizona and, at the close of day, back to Cortez.

Day 2 will find us traveling eastward from Cortez on US-160 to Mesaverde National Park with its unparalleled outcrops of Upper Cretaceous sedimentary rocks and worldfamous cliff dwellings. From the park entrance the route will again lead eastward through historic Mancos and the type area of the Mancos Shale, along the southern edge of the La Plata Mountains (a laccolithic intrusive mass), and into the Animas River valley at Durango. The route along the river valley north of Durango will permit hands-on examination of Triassic and Jurassic rocks and a good view of Permian through Cretaceous strata. The Pony Express Beds, the "Wanakah Formation," and the "Junction Creek Sandstone" will be described and related to outcrops of similar strata in New Mexico and Utah. Proceeding northward on US-550 to our overnight accommodations at the Tamarron Lodge, a final stop of the day will feature the Hermosa Group (Pennsylvanian) and a short discussion of the Upper Paleozoic of southwestern Colorado.

Day 3 will begin with a stop on the south side of Durango that allows an examination of the Cretaceous-Tertiary system contact in the Animas Formation. The route then proceeds south on US–550 (for the most part); we journey toward the confluence of the Animas and San Juan Rivers at Farmington, and as time permits, we will visit a minemouth coal-fired generating station (San Juan Generating Plant), the Hogback monocline, and a unique locality in the Oho Alamo Sandstone.

The New Mexico Geological Society cordially invites you to attend the 1997 Fall Field Conference and solicits papers relating or pertaining to the geology, mineralogy, paleontology, hydrology, mineral resources, geochemistry, geomorphology, etc. of the area described above. In addition, the Society encourages the participation by interested parties in the remaining road logging (to be completed by December 1, 1996) and the submission of appropriate photographs and mini-papers for the road logs.

If you have an interest in assisting with any aspect of the field conference, and particularly if you plan to contribute a paper or mini-paper, please contact one of the editors listed below by **December 1, 1996** and provide a tentative title and estimated length of your paper. Manuscripts, which should be reviewed by two knowledgeable readers prior to submission, must be received by the editors no later than **March 1, 1997**. Every potential author will receive the NMGS *Instructions to Authors*, which should answer all questions regarding style, format, and length of papers.

#### EDITORS:

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-compiled by Toby Click

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Articles in upcoming issues will be on the geology of the Fort Wingate quadrangle, cooling history of mountain ranges in the southern Rio Grande rift, the first 100 years of the NMBMMR Mineral Museum, and a series on the geochronology of Neogene volcanic rocks along the Socorro accommodation zone. The state parks series continues with City of Rocks and three parks in east-central New Mexico. Abstracts from the New Mexico Geological Society spring meeting are printed in the May issue; announcements of the fall field conference are printed throughout the year.

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