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Bibliography of New Mexico geology and mineral technology 1985

by Jane C. Love, Carol A. Hjellming, and James M. Gridley

New Mexico Bureau of Mines and Mineral Resources, Socorro, New Mexico 87801

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Preface

The 1927 law that established the Bureau of Mines and Mineral Resources for the state of New Mexico included among the Bureau's responsibilities, "to collect a library and bibliography of literature pertaining to the progress of geology, mining, milling, smelting and the production of oil and natural gas and refining the same in New Mexico" and "to collect, to compile and to publish statistics relative to New Mexico, geology, mining, milling, metallurgy and oil and natural gas and the refining thereof." Appropriately, Bulletin 5, *Geologic literature of New Mexico*, was published in 1930. Ten other bibliographies of New Mexico geology and mineral technology have been published by the Bureau since 1930. This volume, Bulletin 123, is a compilation of approximately 900 references to New Mexico geology published during 1985. These bibliographies provide researchers with a way to search comprehensively the geologic literature of the state published since the middle of the 19th century. The bibliographic literature of the Bureau also includes topical and annotated bibliographies available as published bulletins or as reproducible open-file reports (see listing on reverse side of front cover).

The bibliography cites literature that (1) deals directly with the geology of New Mexico, (2) describes geology outside of the state pertinent to New Mexico, and (3) includes New Mexico in a regional study of the Southwest. Bureau bibliographies reflect the growth of the geosciences, expanding to include geophysical, geochemical, geothermal, and paleontological investigations; the quantity, quality, and protection of water resources; geologic hazards and engineering geology; the safe disposal of hazardous and radioactive wastes; technology supporting economical and enhanced recovery of mineral and energy resources; and site reclamation.

References include articles published in scientific journals; reports, serials, and monographs published by federal and state agencies, professional societies, research institutions, and scientific publishers; abstracts of papers presented at professional meetings; and research papers, theses, and dissertations completed as part of M.S. and Ph.D. degree

requirements. Additional information regarding publication elsewhere of the same paper or its abstract and information regarding the availability of a report through a distributing agency are appended to the reference when known.

This volume comprises (1) a list of publications, from which references were compiled, and their abbreviations and a guide to the identification of acronyms that the reader may encounter; (2) the references arranged alphabetically by senior author; junior authors with cross references to the senior author are included in this alphabetical arrangement; and (3) an index, in which each reference is listed one or more times by subject, geographic location, age, and/or rock-stratigraphic unit.

The New Mexico Bureau of Mines and Mineral Resources periodically publishes annual bibliographies from its own annual bibliographic computer-data files, which it has compiled and maintained since 1981. These data files are continuously updated, and retrieval of data not yet published can be requested through the Bureau's Editing Department.

Acknowledgments—Significant contributions were made by many at the New Mexico Bureau of Mines and Mineral Resources. We are grateful to the geologists who brought to our attention those items not widely known or distributed. The cooperative exchange of information with other agencies of the state of New Mexico as well as those of neighboring states was an important contribution. We are grateful to the librarians on the campus of New Mexico Institute of Mining and Technology for alerting us to acquisitions relevant to our volume. Without this kind of support the thoroughness of our work would be jeopardized. We also thank Theresa Borzillo, Michael Coburn, Nicky Fatherly, Deba Kufen, Beth Seagren, Nyleen Troxel, and Cara Wilson.

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Socorro, New Mexico
June 20, 1990

New Mexico Bureau of Mines
and Mineral Resources

Publications and abbreviations

- Am. Assoc. Petroleum Geologists, Bull.; Mem.; Southwest Sec., Ann. Mtg., Program: American Association of Petroleum Geologists, Bulletin; Memoir; Southwest Section, Annual Meeting, Program. Tulsa, Oklahoma
- Am. Assoc. Stratigraphic Palynologists: American Association of Stratigraphic Palynologists. Brea, California
- Am. Geophys. Union (EOS), Trans.: American Geophysical Union (EOS), Transactions. Washington, D.C.
- Am. Inst. Mining, Metall., and Petroleum Engineers, Soc. Mining Engineers; Soc. Petroleum Engineers: American Institute of Mining, Metallurgical, and Petroleum Engineers, Society of Mining Engineers; Society of Petroleum Engineers. New York, New York
- Am. Jour. Botany, Program with Abstracts: American Journal of Botany, Program with Abstracts. Columbus, Ohio
- Am. Mineralogist: American Mineralogist, Journal of the Mineralogical Society of America. Washington, D.C.
- Am. Soc. Civil Engineers, Ground-water Symp.: American Society of Civil Engineers, Ground-water Symposium. New York, New York
- Am. Soc. Surface Mining and Reclamation, 2nd Natl. Mtg., Denver, Proc.: American Society for Surface Mining and Reclamation, 2nd National Meeting, Denver, Proceedings
- Am. Soc. Testing and Materials, Spec. Tech. Publ.: American Society for Testing and Materials, Special Technical Publication. Philadelphia, Pennsylvania
- Am. Water Resources Assoc., Tech. Publ.: American Water Resources Association, Technical Publication
- Arizona Bureau Geology Mineral Tech., 21st Forum on the Geology of Industrial Minerals, Program with Abs.: Arizona Bureau of Geology and Mineral Technology, 21st Forum on the Geology of Industrial Minerals, Program with Abstracts. Tucson, Arizona
- Assoc. Eng. Geologists, 28th Ann. Mtg., Abs. and Program: Association of Engineering Geologists, 28th Annual Meeting, Abstracts and Program. Sudbury, Massachusetts
- Bundesministerium fuer Forshung und Technologie, Rept.: Bundesministerium fuer Forshung und Technologie, Report
- California Caver
- California Mining Jour.: California Mining Journal. Aptos, California
- Canadian Jour. Earth Sci.: Canadian Journal of Earth Sciences, National Research Council of Canada. Ottawa, Ontario, Canada
- Canadian Mineralogist: The Canadian Mineralogist, Journal of the Mineralogical Association of Canada. Ottawa, Ontario, Canada
- Chevron Focus: Chevron Corporation. San Francisco, California
- Coal Mining: Coal Mining & Processing. Chicago, Illinois
- Conf. on Heat and Detachment in Crustal Extension on Continents and Planets, Sedona, Arizona: Conference on Heat and Detachment in Crustal Extension on Continents and Planets, Sedona, Arizona
- Denver Geophys. Soc.: Denver Geophysical Society
- Denver Law Jour.: Denver Law Journal, Denver Law Journal Association. Denver, Colorado (ceased)
- Dissert. Abs. Internat.: Dissertation Abstracts International, University Microfilms. Ann Arbor, Michigan
- Drill Bit: Hart Publications. Denver, Colorado (ceased)
- Earth and Planet. Sci. Letters: Earth and Planetary Science Letters, Elsevier Scientific Publishing Company. Amsterdam, The Netherlands
- Earthquake Notes: Eastern Section, Seismological Society of America. Rockville, Maryland
- Econ. Geology: Economic Geology and the Bulletin of the Society of Economic Geologists. New Haven, Connecticut
- Fieldnotes: Arizona Bureau of Geology and Mineral Technology. Tucson, Arizona
- Friends of Mineralogy, Symp. Proc.: Friends of Mineralogy, Symposium Proceedings
- Gas Research Inst., Rept.: Gas Research Institute, Report. Chicago, Illinois
- Geochim. et Cosmochim. Acta: Geochimica et Cosmochimica Acta, Journal of the Geochemical Society and the Meteoritical Society, Pergamon Press. Oxford, England
- Geol. Assoc. Canada, Program with Abstracts: Geological Association of Canada, Program with Abstracts, University of Newfoundland. St. John's, Newfoundland, Canada
- Geol. Soc. America, Abs. with Programs; Bull.; Spec. Paper: Geological Society of America, Abstracts with Programs; Bulletin; Special Paper. Boulder, Colorado
- Geology: Geological Society of America. Boulder, Colorado
- Geophys. Research Letters: Geophysical Research Letters, American Geophysical Union. Washington, D.C.
- Geophysics: Society of Exploration Geophysicists. Tulsa, Oklahoma
- Geothermal Energy: Geothermal Energy World. Camarillo, California
- Geothermal Resources Coun., Trans.: Geothermal Resources Council, Transactions. Davis, California
- Geothermics: Pergamon Press. Oxford, England
- Geotimes: American Geological Institute. Alexandria, Virginia
- Government Reports Announcements and Index: U.S. Department of Commerce, National Technical Information Service. Springfield, Virginia
- Ground Water: Journal of Ground Water Technology, Division of the National Water Well Association. Dublin, Ohio
- Ground Water Monitoring Review: Water Well Journal Publishing Company. Dublin, Ohio
- Hydraulics and Hydrology Series: Utah Water Research Laboratory, College of Engineering, Utah State University. Logan, Utah
- Inst. Geophysique, Universite de Lausanne, Bull.: Institut de Geophysique, Universite de Lausanne, Bulletin. Lausanne, Switzerland
- Internat. Assoc. Genesis Ore Deposits Symp., Proc.: International Association on the Genesis of Ore Deposits Symposium, Proceedings
- Internat. Assoc. Hydrogeologists, Mem.: International Association of Hydrogeologists, Memoir

- Internat. Atomic Energy Agency.: International Atomic Energy Agency. Vienna, Austria
- Internat. Basement Tectonics Assoc., 6th Internat. Conf. on Basement Tectonics, Abs. with Program: International Basement Tectonics Association, 6th International Conference on Basement Tectonics, Abstracts with Program, Basement Tectonics Committee, Inc. Denver, Colorado
- Internat. Gas Research Conf., Proc.: International Gas Research Conference, Proceedings
- Internat. Fluvial Sedimentology Conf.: International Fluvial Sedimentology Conference
- Internat. Jour. Rock Mechanics and Mining Sci.: International Journal of Rock Mechanics and Mining Sciences, Pergamon Press. Oxford, England
- Internat. Mine Water Assoc., 2nd Internat. Mine Water Cong., Symp. Proc.: International Mine Water Association, 2nd International Mine Water Congress, Symposium Proceedings
- Internat. Symp. Remote Sensing Environ., Proc.: International Symposium on Remote Sensing of the Environment, Proceedings, Environmental Institute of Michigan. Ann Arbor, Michigan
- Interstate Oil Compact Comm., Comm. Bull.: Interstate Oil Compact Commission, Committee Bulletin. Oklahoma City, Oklahoma
- Isochron/West: Nevada Bureau of Mines and Geology and New Mexico Bureau of Mines and Mineral Resources. Socorro, New Mexico
- Jewelry Making, Gems, and Minerals: Gemac Corporation. Mentone, California
- Jour. Arid Environments: Journal of Arid Environments, Academic Press, Inc., Ltd. London, England
- Jour. Environ. Quality: Journal of Environmental Quality, American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America. Madison, Wisconsin
- Jour. Field Archaeology: Journal of Field Archaeology, Boston University. Boston, Massachusetts
- Jour. Geology: Journal of Geology, University of Chicago Press. Chicago, Illinois
- Jour. Geophys. Research: Journal of Geophysical Research, American Geophysical Union. Washington, D.C.
- Jour. Hydrology: Journal of Hydrology, Elsevier Scientific Publishing Company. Amsterdam, The Netherlands
- Jour. Paleontology: Journal of Paleontology, Society of Economic Paleontologists and Mineralogists and The Paleontological Society. Tulsa, Oklahoma
- Jour. Petroleum Geology: Journal of Petroleum Geology, Scientific Press, Ltd. Beaconsfield Bucks, England
- Jour. Petroleum Tech.: Journal of Petroleum Technology, Society of Petroleum Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers. Richardson, Texas
- Jour. Petrology: Journal of Petrology, Oxford University Press. Oxford, England
- Jour. Sed. Petrology: Journal of Sedimentary Petrology, Society of Economic Paleontologists and Mineralogists. Tulsa, Oklahoma
- Jour. Soil and Water Conservation: Journal of Soil and Water Conservation, Soil Conservation Society of America. Ankeny, Iowa
- Jour. Urban Planning and Develop.: Journal of Urban Planning and Development, American Society of Civil Engineers. New York, New York
- Jour. Volcanology and Geothermal Research: Journal of Volcanology and Geothermal Research, Elsevier Scientific Publishing Company. Amsterdam, The Netherlands
- Lethaia: Universitetsforlaget. Oslo, Norway
- Los Alamos Natl. Lab., Rept.: Los Alamos National Laboratory, Report. Los Alamos, New Mexico
- Lunar and Planet. Inst., 16th Science Conf.: Lunar and Planetary Institute, 16th Science Conference. Houston, Texas
- Materials Research Soc., Symp. Proc.: Materials Research Society, Symposium Proceedings
- Meteoritics: Journal of the Meteoritical Society, Department of Astronomy, University of Southern California. Los Angeles, California
- Micropaleontology: Allen Press. Lawrence, Kansas
- Mineral and Energy Resources Bull.: Mineral and Energy Resources Bulletin
- Mineral. Abs.: Mineralogical Abstracts, The Mineralogical Society of Great Britain and The Mineralogical Society of America. London, England
- Mineral. Record: Mineralogical Record. Tucson, Arizona
- Mining Mag.: Mining Magazine, The Mining Journal, Ltd. London, England
- Mtn. Geologist: The Mountain Geologist, Rocky Mountain Association of Geologists. Denver, Colorado
- Museum Northern Arizona, Bull.: Museum of Northern Arizona, Bulletin, Museum of Northern Arizona. Flagstaff, Arizona
- Natl. Aeronautics and Space Admin., Tech. Memorandum: National Aeronautics and Space Administration, Technical Memorandum
- Natl. Tech. Inf. Serv., Rept.: National Technical Information Service, Report, U.S. Department of Commerce. Springfield, Virginia
- Natl. Geog. Research: National Geographic Research, National Geographic Society. Washington, D.C.
- Natl. Geog. Soc., Research Rept.: National Geographic Society, Research Report. Washington, D.C.
- Natl. Speleological Soc., Bull.; News: National Speleological Society, Bulletin; News. Huntsville, Alabama
- Natl. Water Well Assoc.: National Water Well Association. Dublin, Ohio
- Nature: Macmillan Limited. London, England
- Nebraska Academy Sci., Proc.: Proceedings of the Nebraska Academy of Sciences and affiliated societies, University of Nebraska. Lincoln, Nebraska
- New Mexico Bureau Mines Mineral Resources, Circ.; Geol. Map; Open-file Rept.; Petroleum Exploration Map: New Mexico Bureau of Mines and Mineral Resources, Circular; Geologic Map; Open-file Report; Petroleum Exploration Map. Socorro, New Mexico
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- New Mexico Inst. Mining and Tech., Geophysics Open-file Rept.; New Mexico Mineral Symp.: New Mexico Institute of Mining and Technology, Geophysics Open-file Report; New Mexico Mineral Symposium. Socorro, New Mexico
- New Mexico Jour. Sci.: New Mexico Journal of Science, New Mexico Academy of Science, New Mexico Highlands University. Las Vegas, New Mexico
- New Mexico State Engineer, hydrog. survey; Map; open-file map; rept.; Tech. Rept.: New Mexico State Engineer, hydrographic survey; Map; open-file map; report; Technical Report. Santa Fe, New Mexico
- New Mexico State Univ., Agric. Exp. Station, Research Rept.; Water Resources Research Inst., Misc. Rept.; Rept.: New Mexico State University, Agricultural Experiment Station, Research Report; Water Resources Research Institute, Miscellaneous Report; Report. Las Cruces, New Mexico
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- Oil and Gas Jour.: Oil and Gas Journal, PennWell Publishing Company. Tulsa, Oklahoma
- Paleontological Soc., Mem.: Paleontological Society, Memoir, The Paleontological Society
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- Salt Inst.: Salt Institute. Alexandria, Virginia
- Sandia Natl. Lab., Rept.: Sandia National Laboratories, Report. Albuquerque, New Mexico
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- Soc. Exploration Geophys.: Society of Exploration Geophysicists. Tulsa, Oklahoma
- Soc. Petroleum Engineers, Jour.; Trans.: Society of Petroleum Engineers, Journal; Transactions, Society of Petroleum Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers. Richardson, Texas
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- U.S. Bureau Reclamation, rept.: U.S. Bureau of Reclamation, report. Washington, D.C.
- U.S. Dept. Agriculture, Soil Conserv. Serv., rept.: U.S. Department of Agriculture, Soil Conservation Service, report. Washington, D.C.

- U.S. Dept. Energy, Misc. Paper; Rept.: U.S. Department of Energy, Miscellaneous Paper; Report. Washington, D.C.
- U.S. Dept. Interior, Natl. Park Serv.: U.S. Department of the Interior, National Park Service. Washington D.C.
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- World Oil: Gulf Publishing Company. Houston, Texas
- Univ. Wyoming, Western Research Inst., Rept.: University of Wyoming, Western Research Institute, Report. Laramie, Wyoming

Acronyms

AFC	assimilation-fractional crystallization
AMS	anisotropy of magnetic susceptibility
CIM	Canadian Institute of Mining and Metallurgy
COCORP	Consortium for Continental Reflection Profiling
CSDP	Continental Scientific Drilling Program
HDR	hot dry rock
K-T	Cretaceous-Tertiary
MHF	massive hydraulic fracture
NURE	National Uranium Resource Evaluation Program
REE	rare earth element
TIMS	Thermal Infrared Multi-spectral Scanner
TMS	Thematic Mapper Simulator
TRU	transuranic
WIPP	Waste Isolation Pilot Plant

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San Lucas Dam 7¹/₂' quadrangle, Berge Exploration, Inc. (1979bb)
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San Pablo 7¹/₂' quadrangle, Berge Exploration, Inc. (1979dd)
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- Paleozoic**
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- Paliza Canyon Formation**, *see* Keres Group
- Palo Duro Basin**, Bair, O'Donnell, and Picking (1985a,b); Baumgardner (1985); Budnik (1985); Caran (1985); Caran, Neck, and Fullington (1985); Collins, E. W., and Luneau (1985); Conti and others (1985); Conti and Senger (1985); Crevello, Clymer, and Brinton (1985); Dutton (1985a,b); Dutton and Orr (1985); Fisher, R. S. (1985); Fogg and Senger (1985); Gustavson and Budnik (1985); Gustavson and Finley (1985); Gustavson and Holliday (1985); Hovorka, Luneau, and Thomas (1985); Johns (1985); Kaiser (1985); Knauth and Beeunas (1985); Kreitler, Fisher, Senger, Hovorka, and Dutton (1985); McGookey, Gustavson, and Hoadley (1985); NUS Corporation (1985a,b); Nance (1985); Nativ and Smith (1985); Orr, E. D., Kreitler, and Senger (1985); Reeves and Temple (1985); Ruppel (1985a,b); Senger, Conti, and Smith (1985); Senger and others (1985a,b); Simpkins and Gustavson (1985); Smith, D. A., Akhter, and Kreitler (1985); Texas Bureau of Economic Geology (1985)
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 bibliography, Hall, S. A. (1985a)
 Chinle Formation, Litwin (1985)
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 Ojo Alamo Sandstone, Newman, K. R. (1985)
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- coal liquefaction, Robinson, C. W. (1985)
- continuous coring, Tybor (1985)
- Curry County, Green, Schlueter, and Glenn (1985)
- Delaware Basin, Kumar (1985); Sonnenfeld (1985); Tybor (1985)
- Dockum Group, Broadhead (1985e)
- Eddy County, Anonymous (1985a,f); Greenwood (1985); Hillis (1985); James (1985); Loucks, R. G., Brown, Achauer, and Budd (1985)
- enhanced recovery, Anonymous (1985g); Broadhead (1985b); Campbell, B. T., and Orr (1985); Mankin (1985); Martin, Garlough, Joy, McKallip, and Scott (1985); Mickey (1985d); Pittaway, Hoover, and Deckert (1985)
- evaporites, Sonnenfeld (1985)
- general, Broadhead (1985c); Crevello and Harris (1985); Cross (1985); New Mexico Energy and Minerals Department, Oil Conservation Division and Petroleum Information Corporation (1985); PennWell Maps (1985); Stamets, Kautz, Brooks, and Busch (1985); Sunwest Financial Services, Inc. (1985)
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- Guadalupe County, Martin, Garlough, Joy, McKallip, and Scott (1985); McKallip (1985)
- Holbrook Basin, McCaslin (1985b)
- Lea County, Anonymous (1985a,f,g); Campbell, B. T., and Orr (1985); Cys and Mazzullo (1985); Malek-Aslani (1985); Pittaway, Hoover, and Deckert (1985); Robichaud (1985); Schenk and Richardson (1985); Wash (1985); Wiggins and Harris (1985b)
- northeast New Mexico, Aiken, Yang, and Lambert (1985)
- Orogrande Basin, Greenwood (1985); Pyron and Gray (1985)
- Otero County, King, W. E., and Harder (1985)
- Palo Duro Basin, Ruppel (1985b)
- Pedregosa Basin, Greenwood (1985); Howland (1985b)
- Permian Basin, Anonymous (1985a,e,f); Mickey (1985d); Schmokee, Krystinik, and Halley (1985)
- Raton Basin, Applegate and Rose (1985a,b); Flores, Pillmore, and Merewether (1985)
- refinery water use, Jacobs Engineering Group (1985)
- reservoir porosity, Richardson and Schenk (1985); Schenk and Richardson (1985)
- Rio Grande rift, Black (1985)
- Roosevelt County, Anonymous (1985a,f); Green, Schlueter, and Glenn (1985)
- San Andres Formation, Elliot (1985a); Kumar (1985)
- San Juan Basin, Chittum (1985); McCaslin (1985d); Mickey (1985a-c); Rountree (1985); Zygmunt, Andrews, and Siegel (1985)
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- San Juan sag, Gries (1985)
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- Santa Rosa Sandstone, Broadhead (1985d); Budding (1985)
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- southwestern New Mexico, Howland (1985b); Schwartz and Litinsky (1985)
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- Trans-Pecos region, Addy, Dejong, Whitney, and Worthington (1985); Dejong (1985); Dejong, Addy, Whitney, and Worthington (1985)
- transcontinental arch, Billo (1985)
- Tucumcari Basin, Broadhead and King (1985); McCaslin (1985a,c)
- Tularosa Basin, King, W. E., and Harder (1985)
- Valencia County, Bieberman and Chavez (1985a)
- waste water, Mickey (1985c)
- waste-water disposal, Jacobs Engineering Group (1985); Mickey (1985e); Zygmunt, Andrews, and Siegel (1985)
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- Artesia Group, Hovorka, Fisher, and Nance (1985)
- Cambrian-Ordovician volcanics, Larson, Patterson, Curtis, Drake, and Mutschler (1985)
- Capitan Limestone or reef complex, Given and Lohmann (1985b); Mruk (1985)
- Dakota Sandstone, Caruso, Simmons, and Wilkens (1985)
- Elephant Butte area basalts, Kelly, Singer, and Kudo (1985)
- Gallup Sandstone, Caruso, Simmons, and Wilkens (1985)
- Keres Group, Gardner (1985); Guilbeau and Kudo (1985)
- Lobato Basalt, Baldrige and Vaniman (1985)
- Morrison Formation, Caruso, Simmons, and Wilkens (1985)
- Morrison Formation garnets, Hansley (1985)
- Morrow formation, Justice, McCormack, and Lee (1985)
- Ocate volcanic field, Nielsen, R. L., and Dungan (1985)
- Panther Seep Formation, Walker, K. R., Jernigan, and Weber (1985)
- Pictured Cliffs Sandstone, Caruso, Simmons, and Wilkens (1985)
- Placitas-Juan Tabo area, Vernon (1985)
- Polvadera Group, Singer, B. S. (1985b)
- Queen Formation, Sarg (1985a)
- Raton Formation, Strum (1985)
- Sandia granite, Majumdar (1985)
- Tesuque Formation, Cavazza (1985b)
- Tetilla Peak volcanics, Jackson (1985)
- Todillo Formation, McCrary (1985)
- Pictured Cliffs Sandstone**, Caruso, Simmons, and Wilkens (1985); Finley (1985); Hutchinson and Kues (1985); Wissler and Simmons (1985)
- Picuris Range**, Bell (1985); Bell and Nielsen (1985); Grambling and Williams (1985b); Holcombe, Bauer, and Callender (1985); Soegaard and Eriksson (1985b)
- Pierre Shale**, Lucas, Reser, and Wolberg (1985); Summers (1985)
- Pinel Schist**, Condie and DeMalas (1985)
- Plains of San Agustin**, Forester (1985)
- Pleistocene**
- Canadian River valley, Dolliver (1985)
- paleoecology, Harris, A. H. (1985a)
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- San Luis Valley, Rogers, K. L., Repenning, Forester, Larson, Hall, Smith, Anderson, and Brown (1985)
- U-Bar Cave, Harris, A. H. (1985b)
- Point Lookout Sandstone**, *see* Mesaverde Group
- Poison Canyon Formation**, Flores and Pillmore (1985)
- Pojoaque Basin**
- hydrology, Hearne (1985a)
- pollution**
- Church Rock mine tailings disposal site, Hockensmith (1985)
- Grants uranium district, Miller (1985)
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- Red River, Garn (1985)
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- soil, Fairbanks, O'Connor, and Smith (1985); Fairbanks, Schmidt, and O'Connor (1985)
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- Polvadera Group**
- El Rechuelos Rhyolite, Loeffler, Vaniman, Baldrige, and Shafiqullah (1985)
- geochemistry, Singer, B. S. (1985a,b)
- Lobato Basalt, Baldrige and Vaniman (1985)
- paleomagnetism, Brown and Golombek (1985)
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- Portales Valley**, *see* Roosevelt County
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- Carlsbad potash district, Walls (1985)
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- Cerro Azul, Kepes (1985)
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- Embudo Granite, Bell (1985); Bell and Nielsen (1985)
- Engle Basin, Singer, B. S., Brookins, Kelly, and Kudo (1985)
- geochronology, Aleinkoff, Reed, and Palliser (1985); Brookins, Balestri, and Fullagar (1985); Singer, B. S., Brookins, Kelly, and Kudo (1985); Ward, D. B., and Grambling (1985)
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- Jemez lineament, Nielsen, K. C. (1985)
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- Manzanita Mountains, Cavin (1985)
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- Quay County**
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 Tucumcari Mountain area, Love (1985)
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- Queen Formation**, *see* Artesia Group
- radioactive-waste disposal**
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 Waste Isolation Pilot Plant, Bachman (1985); Barrows and Fett (1985); Beathard, Sundaram, and Sholley (1985); Beauheim and Pickens (1985); Bechtel National, Inc. (1985a-d); Borns (1985a,b); Branstetter (1985); Chaturvedi (1985); Chaturvedi and Channell (1985); Colton and Morse (1985a,b); Dougherty (1985); Hunter, R. L. (1985); Hydro Geo Chem, Inc. (1985); Intera Technologies, Inc. and Hydro Geo Chem, Inc. (1985); Little (1985); Morgan, H. S., and Stone (1985a-d); Morgan, H. S., Stone, and Krieg (1985); Peterson, E. W., Lagus, Brown, and Lie (1985); Powers and Hassinger (1985); Ramey (1985); Snyder (1985); Stein (1985a); Stevens and Beyeler (1985); Stowe (1985); Travis and Nuttall (1985); Tyler (1985); U.S. Department of Energy (1985); Wawersik and Stone (1985); Westinghouse Electric Corporation (1985a,b); Zurkoff, Tansey, and Morse (1985)
- radionuclides**
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- Raton Basin**
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- Rincon Valley Formation**, *see* Santa Fe Group
- Rio Arriba County**
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- Rio Grande rift**
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