

Subject index to *New Mexico Geology*, volume 30

Abiquiu Formation 54

abstracts

- M.S. theses and dissertations 96–100
- New Mexico Geological Society spring meeting 52–67
- New Mexico Mineral Symposium 117–126
- New Mexico Science and Engineering Fair 50

Albuquerque Basin 14–35, 39–49, 52, 57

Bandelier National Monument 64

Bitter Lake National Wildlife Refuge 65

book reviews

- Over the Mountains—An Aerial View of Geology* 115–116
- Over the Rivers—An Aerial View of Geology* 115–116

Bull Canyon Formation 60

carbon sequestration 96, 97

Chupadera Mountains 58

climate

- “milky rain” 59
- monsoon onset criterion 60

Defiance uplift 62

Delaware Basin 99

desert varnish and cave ferromanganese deposits 59

Española Basin

- ground water 54
- petroleum and natural gas 54
- Santa Fe Group 52
- structural geology 53, 54

Estancia Basin 59

Gallery of Geology

- Sierra de Cristo Rey 93–94
- Socorro panorama 113–114

geochemistry

- CO₂-rich springs 64
- “milky rain” 59
- Santa Fe Group aquifer 54
- Sevilleta National Wildlife Refuge springs and ground water 64
- sulfur isotope signatures 59

geochronology

- apatite fission track
 - San Juan Basin 56
- apatite (U-Th)/He
 - San Juan Basin 56
- Ar/Ar
 - Abiquiu embayment 62
 - Cerro del Medio 96
 - jarosite 64
 - Minna Bluff volcanic peninsula (Antarctica) 64
 - Nacimiento Formation 56
 - No Agua Peaks 96
- OSL
 - Albuquerque Basin 39–49
- U-series
 - travertine-cemented gravels 63

geomicrobiology

- Tierra Amarilla anticline 64

geomorphology

- hillslope evolution 65
- Pecos River floodplain development 62
- Rio Salado terrace uplift 58
- soil-geomorphic properties of grasslands 65

geophysics

- seismology
 - Albuquerque Basin 57

- earthquakes 107–112
 - Española Basin 54
 - Jemez magmatic inflation 63
 - Socorro Magma Body 58, 63

geothermal energy

- Rio Grande rift 58
- Socorro Peak uplift 96

Gila Group 60

ground water

- chemistry 65
- Chupadera Mountains 58
- deep brackish water 57
- geochemistry of “endogenic” waters 64
- Jemez Mountains volcanic field 64
- Malpais Spring and Malpais Salt Marsh 59
- recharge 53
- river-connected ground water basins 52
- Rio Puerco valley 57
- Rio Rancho 57
- San Luis Basin 53
- Santa Fe Group 54, 57
- Taos County 53

Hidalgo County

- Blancan vertebrates 60

hydrology

- evapotranspiration 97
- Holocene hydrologic cycles 59
- managing water resources 98

Jemez Mountains

- ground water and contaminant flow 64
- incision history 63
- sedimentation 54

Jemez River terraces 63

Jornada Basin 65

karst 65, 99

Mancos Shale 60

maps

- Abiquiu 7.5-min quadrangle 62
- Bitter Lake 7.5-min quadrangle 62
- digital soil mapping 57

memorials

- Weber, R. H. 68–70, 120

mineralogy

- classic mineral localities 118–119
- Gold Hill mine (Utah) 126
- Guffey region (Colorado) 124–126
- gypsum 120–121
- Hertimer diamonds 117
- San Juan Mountains 119–120
- Steeple Rock mining district 117–118
- vanadinite 121–122
- White Sands Missile Range 123–124

Mississippian

- Waulsortian mud mounds 100

Montoya Group 56

Nacimiento Formation 56

Ordovician climate change 56

Oscura Mountains 61

paleontology

- ammonites 75–92
- Blancan vertebrates 60
- fossil feather 61
- fossil reconstruction 61
- Lamy amphibian quarry 55, 56
- palynomorph assemblages 3–11

- phytosaur 60
- Rousseau H. Flower collection 61
- T. rex* 12–13, 49
- Turonian ammonites 60

Pecos River

- floodplain development 62

petroleum and natural gas

- BTEX 98
- Española Basin 54
- phylloid algal mounds 98
- Rio Grande rift 57

petrology

- Hermit's Peak batholith 63

Point Lookout Sandstone 61

Proterozoic

- Defiance uplift 62
- Hermit's Peak batholith 63

Red River valley alteration scars 64, 97

remote sensing

- evapotranspiration measurement 98

Rio Grande

- chemistry 65

Rio Grande rift

- Abiquiu embayment 62
- geothermal energy 58
- petroleum and natural gas 57
- southern New Mexico 53, 58

Rio Puerco 99

Rio Puerco valley 57

Sacramento Mountains 100

San Juan Basin

- exhumation history 56
- Nacimiento Formation 3–11, 56
- palynomorph assemblages 3–11

San Luis Basin 52, 53

Santa Fe County

- Triassic stratigraphy 55

Santa Fe Group 52, 57

San Luis Basin 52, 53

sedimentology

- southern Rio Grande rift 53

Sevilleta National Wildlife Refuge 57, 64, 65

Socorro County

- earthquakes 107–112
- Socorro Magma Body 58, 63

soil

- plutonium contamination 100

stratigraphy

- Albuquerque Basin 14–35
- Cretaceous 75–92
- Montoya Group stratigraphic sequences 56
- Oscura Mountains 61
- Pennsylvanian 61
- Triassic 55

structural geology

- AMS analysis of Hermit's Peak batholith 63
- Caballo fault 53
- Defiance uplift 62
- Española Basin 53, 54
- Moquino fault 57
- Picuris–Pecos fault 55

Taos County

- ground water 53

Tularosa Basin 59

zeolites 98