

# Index to *New Mexico Geology*, volume 21

## A

Abiquiu Formation, 37  
abstracts:  
  19th Mineral Symposium,  
  13–17  
  MS and PhD theses, 72–82  
  NMGS Spring Meeting,  
  30–49  
agate, 15  
Alamogordo fault, 39  
Albuquerque Basin, 42, 78  
Albuquerque volcanoes, 35  
Ali, M., 76  
Anderson, O. J., 47, 49  
Appelt, R. M., 77  
Ayarbe, J. P., 39

## B

Bailey, N. M., 41  
Bandelier Tuff, 46  
base metal deposits, 30  
Bauer, P., 36  
Bayona, G., 74  
Bearwallow Mountain  
  Andesite, 34  
Berglof, W. R., 31  
Bieberman, R. A., 22  
Big Hatchet Mountains, 80  
biostratigraphy, 42, 72  
Blagbrough, J. W., 57–64  
Bliss Formation, 74  
Bluff Sandstone, 48  
Borchert, C. I., 37  
Bosque del Apache National  
  Wildlife Refuge, 81  
Broadhead, R. F., 85–93

## C

Caballo Mountains, 36, 74  
Canadian River, 38  
Canador Peak quadrangle, 39  
Capitan Mountains, 57  
Carr, T. D., 42  
Carrizozo lava flows, 25–29  
Cascadden, T. E., 72  
Cavosie, A., 31  
Chapin, C. E., 50  
Chávez, W. X., 33  
Chinle Group, 43, 44, 47, 72  
coal, 31  
Colorado, 72  
Colorado Plateau, 72  
Connell, S., 40  
copper oxide, 33  
Counties:  
  Bernalillo, 43, 47, 104–111  
  Grant, 15  
  Hidalgo, 74, 80  
  Lincoln, 57–65  
  Rio Arriba, 43, 44  
  Santa Fe, 37  
  Sierra, 33, 44, 74  
  Socorro, 80

Taos, 1, 14  
Torrance, 36  
Covey, H. D., 16  
Crossey, L. J., 40

## D

D'Andrea, N. V., 43  
Dakota Formation, 47, 48, 49  
Davis, B. T., 75  
decapod, 43  
DeMark, R. S., 13  
depositional environments, 39  
Dorsey, J. D., 75  
Downs, A., 42  
Dunbar, N. W., 25–29, 33  
Duncan quadrangle, 39  
Dutrow, B., 31

## E

Earman, S., 40  
economic geology, 30–34  
El Porticito volcanic vent, 78  
Ellwein, A. L., 72  
Elmore, D., 39  
Entrada Sandstone, 47  
Erchak, I., 46  
Ervin, S. D., 75  
Española Basin, 73  
Estancia Basin, 41  
Estep, J. W., 42, 44, 47, 71  
Eveleth, R., 16

## F

Ferguson, C. A., 48  
Fleming, E. R., 47  
Florida Mountains, 75  
Fra Cristobal Range, 74  
Frye, M. C., 75  
fusulines, 71

## G

Garrison, J. M., 76  
geochemistry, 32, 33, 44  
geochronology, 32, 77, 79, 80  
geologic modeling, 46  
geological information, 47  
geomorphology, 46  
Gere, T., 46  
Goldstein, H. L., 38  
Goodwin, L. B., 39, 45  
Grants ridge, 35  
Gray, R. N., 72  
Greenhorn Formation, 47, 48  
Groffman, A., 40  
ground water, 41, 46, 72

## H

Hagan, L., 41  
Hall, J. S., 77  
Hallett, B., 45  
Haneberg, W. C., 46  
Harding mine, 15  
Harris, J. D., 42  
Harrison, B., 38, 41

Harrison, J. B. J., 39, 41  
Heckert, A. B., 42, 43, 44, 72  
Heizler, M. T., 34, 44, 45  
Hendrickx, J. M. H., 41  
Heynekamp, M. R., 77  
Hilton, R. V., 76  
Hlava, P. F., 17  
Hodgins, M., 72  
Hoffman, G. K., 31, 47  
Holt, R. M., 97–103  
Horning, R. R., 78  
Hsu, C. C., 78  
Huizing, T. E., 16  
Hunnicut, L., 76  
hydrogeology, 40  
hydrology, 78

## I

Indianola Group, UT, 74  
isotopic dating, 25, 34

## J

jarosite, 32  
Jemez Mountains, 37, 40, 46  
Johnson, P., 1–9, 36, 46  
Jones Hill, 30

## K

Karlstrom, K. E., 34  
Kearns, A. K., 78  
Keating, G. N., 35  
Kelson, K. I., 36  
Kirtland Formation, 43  
Kline, J. M., 14  
Koning, D. J., 39  
Kuhle, A. J., 73  
Kyle, P., 33

## L

La Popa Basin, Mexico, 76  
Latysh, N., 78  
Lawton, T. F., 36  
lead (Pb) in soils, 81  
Lobato Formation, 73  
Lobo Hill, 36  
Los Lunas volcano, 45  
Los Medaños Member, Rustler  
  Formation, 97–103  
Love, D. W., 45, 46  
Love, J. C., 50, 96  
Loveland, T. A., 41  
Lucas, S. G., 10–12, 42, 43, 44,  
  47, 49, 71  
Lueth, V. W., 16, 32

## M

Ma, A., 73  
Mack, G. H., 39  
Madera Formation, 46  
magnesium carboxylate com-  
  plexing, 76  
magnetite, 15  
Mammut raki, 10–12  
Mancos Shale, 47, 48

Massis, T. M., 16  
McKee, C., 45  
McLemore, V. T., 18–21, 30, 31,  
  33, 36, 44, 51–55, 66–70  
McLeroy, K. E., 35  
McMahon, D. R., 41, 79  
McMillan, N. J., 36  
McPherson, B. J. O. L., 40  
Melis, E. A., 45  
metamorphism, 45, 72, 74  
mica, 34  
micromammals, 73  
Mimbres Basin, 75  
Minchak, S. L., 73  
mining districts:  
  Grants, 31  
  Hansonburg, 16  
  Hillsboro, 33, 44  
  Mitchell, D. K., 38  
  Modreski, P. J., 14  
  Moenkopi Formation, 44  
  Moore, J. D., 37  
  Moore, J. W., 79  
  Morgan, G. S., 42, 44  
  Morrison Formation, 43, 47, 49  
  Munroe, E. A., 33, 44

## N

Navajo volcanic field, 78  
Newell, H. H., 79  
nonaqueous phase liquids  
  (NAPLs), 78  
North Horn Formation, UT, 75

## O

oil and gas, 85–93  
Ortiz, R. M., 40

## P

paleontology, 10–12, 42, 43, 44,  
  71, 73  
Pandurang, S., 36  
Panter, K., 45  
Paradise Formation, 80  
Pazzaglia, F. J., 39  
Peloncillo Mountains, 74  
Peters, L., 32  
Peterson, Rodney, 43  
Peterson, Ronald, 43  
Petrified Forest Formation, 43,  
  47  
Petrified Forest National Park,  
  AZ, 72  
Phil Sheridan lode, CO, 16  
Phillips, F. M., 39, 40  
Pletsch–Rivera, L., 31  
Powers, D. W., 97–103  
Precambrian geology, 34, 72,  
  74, 81  
precious metal deposits, 30  
Presmyk, L., 14

## Q

quartz–kyanite schist, 34

Queen Formation, 76

## R

Raton–Clayton volcanic field,  
80

Ratté, J. C., 34

Rawling, G. C., 39

Read, A. S., 47, 74

Red Cloud mine, AZ, 14

Red River, 38

Reser, P. K., 42

Rincon Range, 74

Rinehart, L. F., 42, 43

Rio Calaveras, 46

Rio Grande, 38

Rio Grande rift, 32, 36, 37, 44,  
45, 73, 74, 79

Rio Hondo, 38

rock glaciers, 57–65

Romano, E. M., 74

Rowland, J. M., 71

Rye, R. O., 32

## S

Sacramento Mountains, 39

sampling protocol, 33

San Andres Formation, 80

San Andres Mountains, 81

San Jose Formation, 73

San Juan Basin, 43, 73

Sand Hill fault, 39, 40, 77

Sanders, M. R., 16

Sandia Mountains, 46, 104–111

Sandia pluton, 31

Santa Fe Group, 39, 40, 79

Scholle, P. A., 94–96

sedimentology, 41, 73

Selverstone, J., 31

Sevilleta National Wildlife

Refuge, 79, 82

Sharma, P., 39

Sharp, Z., 31

Sierra Ladrones Formation, 77

Sigda, J. M., 79

Simmons, M. C., 34

Sivils, D. J., 80

Smith, G. A., 35, 37

Smith, S. V., 39

Smyth, D. G., 40

Snyder, M., 42

Socorro Basin, 38

Socorro Canyon fault, 39

soils, 41, 72, 81

Spencer, C. J., 33

Spilde, M., 15

State Parks:

Bottomless Lakes, 51–55

Coyote Creek, 18–21

Fort Selden State Monument,  
66–70

Leasburg Dam, 66–70

Steven, D., 81

Stone, J. R., 80

stratigraphy, 44, 47, 48, 80

Stroud, J. R., 80

Summerville Formation, 47

surface water, 1–9

syenite, 36

## T

Taos Plateau volcanic field, 77

tectonics, 72, 74

Tesuque Formation, 44

Tesuque quadrangle, 37

theropods, 42, 72

Thomas, J., 46

Thompson, R., 45

Thompson, R. C., 30

Tijeras syncline, 47, 48

Timmons, M. J., 34

Todilto Formation, 47

tourmaline, 14

Tripon Pass Limestone, UT and  
NV, 75

Tsosie, B. B., 80

## U

uranium deposits, 30, 31

uranium mill tailings, 80

## V

Valentine, G. A., 35

Valles caldera, 46

Van Hart, D., 104–111

Vindum, C. M., 82

volcanology, 34–36, 45, 72

Vollbrecht, K. M., 81

## W

Wardell, L. J., 41

Wheeler, D. G., 15

Williamson, T. E., 42, 43

Wisniewski, P. A., 38

WoldeGabriel, G., 35

Wolf, C. P., 81

wulfenite, 13

## X

xenoliths, 35, 78

## Z

Zuni–Bandera volcanic field,  
72