

GEOLOGICAL SURVEY CIRCULAR 528



**Reports and Maps of the
Geological Survey Released
Only in the Open Files, 1966**

Reports and Maps of the Geological Survey Released Only in the Open Files, 1966

By Betsy A. Weld, Margaret S. Griffin, and George W. Brett

GEOLOGICAL SURVEY CIRCULAR 528



United States Department of the Interior
STEWART L. UDALL, *Secretary*



Geological Survey
William T. Pecora, *Director*



Reports and Maps of the Geological Survey Released Only in the Open Files, 1966

By Betsy A. Weld, Margaret S. Griffin, and George W. Brett

CONTENTS

	Page
Introduction-----	1
Maps and book reports -----	2
Index-----	11

INTRODUCTION

This circular contains a list of maps and reports released by the U.S. Geological Survey during 1965 that are available for public inspection in the open files. These maps and reports may be consulted at the indicated depositories, and copies may be made upon request (at the requestor's expense).

The reports are arranged alphabetically by author; each report is preceded by a serial number that is used to identify the report in the index (p. 11), and is followed by the depositories at which it may be consulted.

Most open-file reports are on file in at least one of the major U.S. Geological Survey depositories listed below. Many are also on file at depositories selected as appropriate for the individual reports. All depositories are U.S. Geological Survey offices unless a State Geological Survey or other organization is specifically indicated. The following symbols are used in the list to indicate the major depositories:

- Wa Library, 1033 General Services Administration Building, 18th and F Streets, NW., Washington, D. C. 20242.
- Wb 1242-N General Services Administration Building, 18th and F Streets, NW., Washington, D. C. 20242.
- Da Library, Building 25, Federal Center, Denver, Colo. 80225.
- Db Public Inquiries Office, 15426 Federal Building, Denver, Colo. 80202.
- M Library, 345 Middlefield Road, Menlo Park, Calif. 94025.

- A Public Inquiries Office, 108 Skyline Building, 508 2nd Ave., Anchorage, Alaska 99501.
- LA Public Inquiries Office, 7638 Federal Building, 300 N. Los Angeles Street, Los Angeles, Calif. 90012.
- S Public Inquiries Office, South 157 Howard Street, Spokane, Wash. 99204.
- SF Public Inquiries Office, 504 Custom House, 555 Battery Street, San Francisco, Calif. 94111.
- T Public Inquiries Office, 602 Thomas Building, 1314 Wood Street, Dallas, Tex. 75202.
- U Public Inquiries Office, 8102 Federal Office Building, 125 South State Street, Salt Lake City, Utah 84111.

Open-file reports released during past years have been listed in the following circulars (* indicates report is out of print):

Year(s)	Circular	Year	Circular
1946-47	*56	1957	*403
1948	*64	1958	412
1949-50	*149	1959	428
1951	*227	1960	448
1952	*263	1961	463
1953	*337	1962	473
1954	*364	1963	488
1955	379	1964	498
1956	401	1965	518

MAPS AND BOOK REPORTS

1. Akers, J. P., Domestic water supply for the Hopland Indian Rancheria, Mendocino County, California: 10 p., 3 figs. (Wb, M.)
2. Alter, A. T., Extent and frequency of inundation of Schuylkill River flood plain from Conshohocken to Philadelphia, Pennsylvania: 30 p., 6 figs. (Wb; 1224 Mulberry St., Harrisburg, Pa. 17104.)
3. Altschuler, Z. S., Berman, Sol, and Cuttita, Frank, Rare earths in phosphorites—geochemistry and potential recovery: 35 p. (including 7 tables), 1 fig. (Wa, Da, M, U, S.)
4. Bedinger, M. S., Stone, C. G., Albin, D. R., Hines, M. S., and Hubble, J. H., Guidebook to the hydrology and geology of the Arkansas River valley and adjacent areas, Arkansas: 95 p., 6 figs. (Wb; 2301 Federal Office Bldg., 700 W Capitol Ave., Little Rock, Ark. 72201.)
5. Bell, E. A., Water resources of the Memphis area, Tennessee—Progress in fiscal year 1966: 4 p., 3 figs. (Wb; 144 Federal Bldg., Nashville, Tenn. 37203; 830 Federal Office Bldg., Memphis, Tenn. 38103.)
6. Bettendorf, J. A., Extent and frequency of inundation of flood plain in vicinity of Princeton, New Jersey: 36 p., 1 pl., 10 figs., 7 photos. (Wb; 433 Federal Bldg., Trenton, N. J. 08607.)
7. Bloyd, R. M., Jr., A progress report on the test-well drilling program in the west part of Antelope Valley, California: 20 p., 2 figs. (Wb, M.)
8. Bodhaine, G. L., Pesticides in the Boise River basin: 32 p., 3 figs. (WB; 830 NE Holladay St., Portland, Oreg. 97208.)
9. Brock, M. R., and Barker, Fred, Geologic map of the Mount Harvard quadrangle, Gunnison and Chaffee Counties, Colorado: 1 map and cross section, scale 1:62,500. (Wa, Da, Db, M.)
10. Brosgé, W. P., Reiser, H. N., Dutro, J. T., Jr., and Churkin, Michael, Jr., Geologic map and stratigraphic sections, Porcupine River Canyon, Alaska: 4 sheets, scale 1:63,360. (Wa, Da, M, A, S, SF, Db, LA, T; Brooks Bldg., College, Alaska 99735; 203 Simpson Bldg., 222 Seward St., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 5th floor, Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
11. Bryson, R. P., and Bass, N. W., Geologic map and coal sections of the Moorhead coal field, Montana: 37 figs., 3 tables (15 sheets). (Wa, Da, M, U, S.)
12. Buchanan, T. J., Sinnott, Allen, and Anderson, P. W., Hydrologic tools and techniques for the layman: 15 p., 5 figs. (Wb; 433 Federal Bldg., Trenton, N. J. 08607.)
13. Bull, W. B., Appraisal of near-surface subsidence on the Panoche Creek fan, Fresno County, California: 44 p., 10 figs. (Wb; 8003 Federal Bldg., and U.S. Court House, 650 Capitol Ave., Sacramento, Calif. 95814.)
14. Chidester, A. H., Hatch, N. L., Jr., Osberg, P. H., Norton, S. A., and Hartshorn, J. H., Geologic map of the Rowe quadrangle, Massachusetts and Vermont: 1 map, scale 1:24,000. (Wa; Rm. 1, 270 Dartmouth St., Boston, Mass. 02116.)
15. Coffin, D. L., Prospects for obtaining a water supply in the Fall River entrance area of Rocky Mountain National Park, Colorado, November 9, 1964, and Addendum, October 25, 1965, by E. J. Jenkins: 32 p., 5 figs. (Wb, Da.)
16. Colbert, J. L., Review of waterpower classifications, Payette River basin, Idaho: 67 p. (Wa, S; 914 Jefferson St., Boise, Idaho 83702; 830 NE Holladay St., Portland, Oreg. 97232.)
17. Colbert, J. L., and Young, L. L., Review of waterpower classifications, Siuslaw River basin, Oregon: 75 p. (Wa, S, SF; 1022 NE Holladay St., Portland, Oreg. 97232; Central Public Library, 801 SW 10th St., Portland, Oreg. 97205.)
18. Cooper, J. B., Pilot hole of the University of New Mexico water well no. 7: 28 p., 4 figs. (Wb, Db, T, U; Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex. 87106.)
19. Cordes, E. H., Wall, J. R., and Moreland, J. A., Progress report on analog model construction, Orange County, California: 49 p., 4 figs. (Wb, M, LA, SF; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
20. Crawford, C. B., Jr., Page, R. W., and LeBlanc, R. A., Data for wells in the Fresno area, San Joaquin Valley, California: 263 p., 2 figs. (Wb, M.)
21. Dale, R. H., French, J. J., and Gordon, G. V., Ground-water geology and hydrology of the Kern River alluvial-fan area, California: 212 p., 30 figs. (M.)
22. Dale, R. H., and Rantz, S. E., Hydrologic reconnaissance of Point Reyes National Seashore area, California: 37 p., 14 figs. (Wb, M.)
23. Deutsch, Morris, and Wallace, J. C., Six illustrations showing water-resources

- information on Maumee River basin, Ohio, Indiana, and Michigan: (Wb; 554 U.S. Post Office Bldg., 85 Marconi Blvd., Columbus, Ohio 43215.)
24. Dickinson, R. G., Geology of the Cerro Summit quadrangle, Montrose County, Colorado: 117 p., 1 pl., 8 figs., 5 tables, map, scale 1:24,000. (Wa, Da.)
 25. Dobrovoly, Ernest, and Schmoll, H. R., Map of geologic materials, Anchorage and vicinity, Alaska: 1 map, scale 1:24,000. (Wa, Da, M, A, S; Alaska Div. of Mines and Minerals, 5th floor, Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
 26. Doolittle, R. N., Waterpower resources of California: 52 p. (Wa, SF, LA; 8030 Federal Bldg., Sacramento, Calif. 95814.)
 27. Dorr, J. V. N., II, compiler, Geologic map of Quadrilátero Ferrífero, Minas Gerais, Brazil: 1 map, scale 1:150,000. (Wa; Departamento Nacional da Produção Mineral, Avenida Pasteur 404, Rio de Janeiro, Gb., Brazil.)
 28. Drewes, Harald, Preliminary geologic map of the Mount Wrightson quadrangle, Santa Cruz and Pima Counties, Arizona: map and explanation (1 sheet), scale 1:48,000. (Wa, Da, M, Db, U, SF, LA; College of Mines, Arizona Bur. of Mines, Univ. of Arizona, Tucson, Ariz. 85721.)
 29. Drewes, Harald, Road log for southern Santa Rita Mountains, Santa Cruz and Pima Counties, Arizona: 6 p., 1 table. (Wa, Da, M, Db.)
 30. Dunn, Bernard, Time-of-travel studies, Genesee River basin (New York): 21 p., 44 figs. (Wb; 341 Federal Bldg., Albany, N. Y. 12201.)
 31. Dunn, Bernard, Time-of-travel studies, Hoosic River, North Adams, Massachusetts, to Hoosick Falls, New York: 17 p., 3 figs. (Wb; 341 Federal Bldg., Albany, N. Y. 12201.)
 32. Dunn, Bernard, Time-of-travel studies, Lake Erie-Niagara River basins, New York: 108 p., 80 figs. (Wb; 341 Federal Bldg., Albany, N. Y. 12201.)
 33. Durham, D. L., Geologic maps of Bradley and Tierra Redonda Mountain quadrangles, Monterey and San Luis Obispo Counties, California: 2 maps, scale 1:24,000. (Wa, Da, M, LA, SF; 309 Federal Bldg., 800 Truxton Ave., Bakersfield, Calif. 93301.)
 34. Dutton, C. E., Effinger, F. D., and Johnson, R. W., Jr., Precambrian geology of Florence West quadrangle, Florence County, Wisconsin, and Iron County, Michigan: 1 map. See report no. 154 for map explanation. (Wa; 222 Science Hall, Univ. of Wisconsin, Madison, Wis. 53706; Geol. Survey Div., Dept. of Conserv., Lansing, Mich. 48926.)
 35. Dutton, C. E., and Emerick, W. L., Precambrian geology of Florence SE quadrangle, Florence County, Wisconsin: 1 map. See report no. 154 for map explanation. (Wa; 222 Science Hall, Univ. of Wisconsin, Madison, Wis. 53706.)
 36. Dutton, C. E., and Emerick, W. L., Precambrian geology of Iron Mountain SW quadrangle, Florence County, Wisconsin: 1 map. See report no. 154 for map explanation. (Wa; 222 Science Hall, Univ. of Wisconsin, Madison, Wis. 53706.)
 37. Dutton, C. E., Johnson, R. W., Jr., James, H. L., and Wier, K. L., Precambrian geology of Florence East quadrangle, Florence County, Wisconsin, and Iron County, Michigan: 1 map. See report no. 154 for map explanation. (Wa; 222 Science Hall, Univ. of Wisconsin, Madison, Wis. 53706; Geol. Survey Div., Dept. of Conserv., Lansing, Mich. 48926.)
 38. Dyni, J. R., Measured sections of the Mesaverde Group and list of fossils collected from the Mancos Shale and Mesaverde Group, Thornburg area, Moffat and Rio Blanco Counties, Colorado: 12 p. (Wa, Da, Db, M, U.)
 39. Eargle, D. H., Stanford, J. F., Jr., and Davis, B. O., Preliminary geologic map of the Live Oak County area, Texas: 1 map, scale 1:63,360. (Wa, Da, M, T.)
 40. Eaton, G. P., and Timmons, C. E., Principal facts for gravity stations in Safford and San Simon Valleys, Arizona: 4 p., 51 p. tabular material. (Wa, Da, M, SF, LA, U.)
 41. Espey, W. H., Jr., Some effects of urbanization on storm runoff, Waller Creek, Austin, Texas, 1955-62: 65 p., 26 figs. (Wb; Federal Bldg., 300 E 8th Ave., Austin, Tex. 78701.)
 42. Evenson, R. E., Hydrologic inventory of the Lompoc subarea, Santa Ynez River basin, Santa Barbara County, California: 68 p., 5 figs. (Wb, M; 126 Figueros St., Santa Barbara, Calif. 93104.)
 43. Farlekas, G. M., Extent and frequency of floods on Delaware River in vicinity of Belvidere, New Jersey: 37 p., 1 pl., 17 figs. (Wb; 433 Federal Bldg., Trenton, N. J. 08607.)
 44. French, J. J., Progress report on proposed ground-water studies in the Lytle

- Creek-San Sevaine area, Upper Santa Ana Valley, California, 1965: 23 p., 3 figs. (Wb, M; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
45. Friday, John, The operation and maintenance of a crest-stage gaging station: 26 p., 6 figs. (Wb; 830 NE Holladay St., Portland, Ore. 97208.)
 46. Gaca, J. R., and Karig, D. E., Gravity survey in the San Luis Valley area, Colorado: 21 p., 22-p. appendix, 8 figs. (Wa, Da, M, Db, U.)
 47. Gere, W. C., Schell, E. M., and Moore, K. P., Stratigraphic sections and phosphate analyses of Permian rocks in the Teton Range and parts of the Snake River and Gros Ventre Ranges, Idaho and Wyoming: 71 p., 1 pl., 2 figs., 1 table. (Wa, Da, M, Db, U, S.)
 48. Giessner, F. W., and Robson, S. G., Ground-water conditions for 1965 at the Marine Corps Base, Twentynine Palms, California: 27 p., 6 figs. (Wb, M; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
 49. Giessner, F. W., and Westphal, J. A., Ground-water inventory for 1965, Edwards Air Force Base, California: 24 p., 6 figs. (Wb, M, LA, SF.)
 50. Goldberg, J. M., Fosberg, F. R., Sachet, Marie-Helene, and Reimer, Allen, World distribution of soil, rock, and vegetation: 37 p., 14 figs., 8 tables. (Wa, Da, M.)
 51. Gosling, A. W., The patterns of subsurface flow in the Bloomington-Colton area, Upper Santa Ana Valley, California: 30 p., 3 figs. (Wb, M.)
 52. Granger, H. C., Analytical data on samples collected at Ambrosia Lake, New Mexico—1958 through 1962: 485 p., 86 figs., 4 tables. (Wa, Da, M.)
 53. Grantz, Arthur, Strike-slip faults in Alaska: 82 p., 8 figs., 2 tables. (Wa.)
 54. Guy, H. P., and others, Laboratory theory and methods: 110 p., 14 figs. (Da.)
 55. Haley, B. R., Coal in the Dardanelle Reservoir area, Yell, Pope, Logan, Johnson, and Franklin Counties, Arkansas: 12 p., 5 charts, 6 figs., 1 table. (Wa.)
 56. Hampton, E. R., Geologic map of the Molalla-Salem Slope area, Oregon: (Wb; 415 Federal Bldg., 830 NE Holladay St., Portland, Ore. 97208.)
 57. Harwood, D. S., Geology of the Cupsuptic quadrangle, Maine: 259 p., 8 pls., 34 figs., 16 tables. (Wa.)
 58. Hassemer, J. H., Watkins, J. S., and Bailey, N. G., Seismic refraction surveys in the vicinity of Eagle City, Clark County, Ohio: 7 p., 3 figs. (Wa, M, Da; 554 Post Office Bldg., 85 Marconi Blvd., Columbus, Ohio 43215.)
 59. Hauth, L. D., and Christensen, R. C., Flood-flow characteristics of Caddo River at U.S. Highway 67 and Interstate Highway 30 at Caddo Valley, Arkansas: 15 p., 6 figs. (Wb; 2301 Federal Office Bldg., 700 W Capitol Ave., Little Rock, Ark. 72201.)
 60. Healy, J. H., and others, Geophysical and geological investigations relating to earthquakes in the Denver area, Colorado: 59 p., 31 figs. (Wa, Da, M.)
 61. Hedman, E. R., and Pearson, E. G., Floods of November and December 1965 in southern California: 44 p., 14 figs. (Wb, M.)
 62. Holt, C. L. R., Jr., The future for water in the Wolf River region, Wisconsin: 7 p. (Wb; 175 Science Hall, Univ. of Wisconsin, Madison, Wis. 53706.)
 63. Hopkins, H. T., Water resources of the Fayette County area, Kentucky: 7 p., 1 map. Part II. See Part I, report no. 69. (Wa, Da, M; 710 W High St., Lexington, Ky. 40508; Kentucky Geol. Survey, 307 Mineral Industries Bldg., 120 Graham Ave., Lexington, Ky. 40506; City-County Planning Comm., 227 N Upper St., Lexington, Ky. 40507.)
 64. Hughes, L. S., Effect of the partial control of natural salinity on water quality in Possum Kingdom Reservoir, Texas: 13 p., 3 figs. (Wb; Federal Bldg., 300 E 8th St., Austin, Tex. 78701.)
 65. Hurr, R. T., and Moore, J. E., Transmissibility of valley-fill aquifer, Boone to Fowler, Colorado: 1 map. (Wb, Da.)
 66. Hurr, R. T., Moore, J. E., and Richards, D. B., Contour of bedrock surface, Boone to Fowler, Colorado: 1 map.
 67. Irza, T. J., Preliminary flood-frequency relations for small streams in Kansas: 24 p., 5 figs. (Wb, M, Da; 403 Federal Bldg., Topeka, Kans. 66601.)
 68. Johnson, Arthur, Glacier observations, Glacier National Park, Montana, 1965: 22 p., 3 figs. (Wa, Da, M, Db, S, U; 244 Federal Bldg., Tacoma, Wash. 98402; 409 Federal Bldg., Helena, Mont. 64459; 1709 Jackson St., Omaha, Nebr. 68102; Glacier Natl. Park, West Glacier, Mont. 59936.)
 69. Johnson, C. G., Engineering geology of Lexington and Fayette County, Kentucky:

- 19 p., 1 map, plus generalized columnar section, 2 tables. Part I. See Part II, report no. 63. (Wa, Da, M; 710 W High St., Lexington, Ky. 40508; Kentucky Geol. Survey, 307 Mineral Industries Bldg., 120 Graham Ave., Lexington, Ky. 40506; City-County Planning Comm., 227 N Upper St., Lexington, Ky. 40507.)
70. Johnson, J. O., and Edwards, K. W., Determination of lead-210 in water: 18 p., 1 fig. (Wb, Da.)
 71. Keller, F. J., and Gilbert, B. K., The occurrence and characteristics of fluvial sediment in the Genesee River basin—a reconnaissance: 34 p., 7 figs. (Wb; 341 Federal Bldg., Albany, N. Y. 12201.)
 72. Knutilla, R. L., Hydrologic studies of small watersheds in agricultural areas of southern Michigan—Report no. 3, Deer-Sloan basin: 11 p., 12 figs. (Wb; 700 Capitol Savings and Loan Bldg., Lansing, Mich. 48933.)
 73. Kosanke, R. M., Palynological investigations in the Pennsylvanian of Kentucky—II: 29 p., 7 charts. (Wa, Da, M; 710 W High St., Lexington, Ky. 40508; Kentucky Geol. Survey, 307 Mineral Industries Bldg., 120 Graham Ave., Lexington, Ky. 40501.)
 74. Kunkel, Fred, A geohydrologic reconnaissance of the Saratoga Spring area, Death Valley National Monument, California, with an appendix by T. W. Robinson: 25 p., 2 figs. (Wb, M.)
 75. Kunkel, Fred, and Hofman, Walter, Ground water in the San Joaquin Valley, California: 14 p. (Wb, M.)
 76. Lang, S. M., and Leonard, A. R., Instructions for using the punch-card system for the storage retrieval of ground-water data: 86 p., 5 figs. (Wb.)
 77. Larrabee, D. M., Geologic of serpentinite quarry at Hunting Hill, Montgomery County, Maryland: 1 map. (Wa, Da, M; Maryland Geol. Survey, 214 Latrobe Hall, Johns Hopkins Univ., Baltimore, Md. 21218.)
 78. Maberry, J. O., Instrument installations for the study of coal mine bumps at Sunnyside, Utah: 12 p., 5 figs. (Wa, U, Da, M.)
 79. Maberry, J. O., and Barnes, B. K., Seismic events recorded at Sunnyside, Utah, from January through June 1965: 1 fig. (Wa, Da, M, U.)
 80. Mabey, D. R., Principal facts for gravity stations in the Death Valley region, California: 5 p., 23 p. tables. (Wa, Da, M, LA, SF; Div. of Mines and Geology, Dept. of Conserv., Ferry Bldg., San Francisco, Calif. 94111.)
 81. Mabey, D. R., Principal facts for gravity stations in the western Mojave Desert, California: 3 p., 22 p. tables. (Wa, Da, M, LA, SF; Div. of Mines and Geology, Dept. of Conserv., Ferry Bldg., San Francisco, Calif. 94111.)
 82. Maughan, E. K., Pennsylvanian and Permian paleogeography, tectonics and stratigraphy in Montana and the Dakotas: 16 sheets. (Wa, Da, Db, U, S, M.)
 83. McCarthy, J. H., Jr., and Gott, G. B., The distribution of Ag, Pb, Zn, Sb, As, and Hg in soils at Lenado, Aspen quadrangle, Colorado, with a Preliminary geologic map of the Lenado mining district, Pitkin County, Colorado, by Bruce Bryant: 2 sheets. (Wa, Da, M, Db, U.)
 84. McKay, E. J., and Burchfiel, B. C. Geologic map of the Lathrop Wells quadrangle, Nye County, Nevada: 1 map, scale 1:24,000. (Wa, Da, M, Db, U, SF, LA; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev. 89507.)
 85. McKay, E. J., and Burchfiel, B. C., Geologic map of the Striped Hills quadrangle, Nye County, Nevada: 1 map, scale 1:24,000. (Wa, Da, M, Db, U, SF, LA; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev. 89507.)
 86. Meuschke, J. L., and Kirby, J. R., Aeromagnetic map of Hayden Peak and vicinity, Uinta Mountains, Utah: 1 map, scale 1:125,000. (Wa, Da, Db, U, M; Utah Geol. and Mineralog. Survey, 103 Civil Engineering Bldg., Univ. of Utah, Salt Lake City, Utah 84112.)
 87. Moench, R. H., and Drake, A. A., Jr., Mines and prospects, Idaho Springs district, Clear Creek and Gilpin Counties, Colorado—Descriptions and maps: 383 p., 83 figs. (Wa, Da, M.)
 88. Moody, D. W., and Van Reenan, E. D., High resolution subbottom profiles of the Delaware estuary: 8 p., 8 figs. (Wb; 1802 U.S. Custom House, 2nd and Chestnut Sts., Philadelphia, Pa. 19106.)
 89. Moore, J. E., and Hurr, R. T., Water-table contour map, Boone to Fowler, Colorado, March 15 to 30, 1966: 1 map. (Wb, Da.)
 90. Moore, W. J., Curtin, G. C., Roberts, R. J., and Tooker, E. W., Distribution of selected metals in the Stockton district, Utah: 12 p., 3 figs. (Wa, Da, M, Db, U.)
 91. Musgrove, R. H., and Cooley, M. E., A reconnaissance of lakes and proposed lake sites in the White Mountains, Fort Apache Indian Reservation, Arizona: 15 p., 3 figs. (Wb; Geology Bldg., Univ. of Arizona, Tucson, Ariz. 85717.)

92. Nelson, J. M., and Cox, Doak, Geologic map of the Silver Cloud mine, Nevada: 3 maps. (Wa, Da, M, U, SF, LA; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev. 89507.)
93. Norvitch, R. F., and Lamb, M. E. S., Records of selected wells, springs, testholes, materials tests, and chemical analyses of water in the Housatonic River basin, Massachusetts: 12 p., 1 fig. (Wb; Rm. 205, 211 Congress St., Boston, Mass. 02100.)
94. O'Bryan, Deric, Water and land resources of the Patuxent River drainage basin, Maryland: 33 p., 6 figs. (Wb.)
95. Pashley, E. F., Jr., Structure and stratigraphy of the central, northern, and eastern parts of the Tucson Basin, Arizona: 273 p., 49 figs. (Wb; Geology Bldg., Univ. of Arizona, Tucson, Ariz. 85717.)
96. Pavlides, Louis, Reconnaissance map of bedrock geology of a part of northwestern New Brunswick, Canada: 1 map, scale 1:250,000. (Wa, Da; Rm. 1, 270 Dartmouth St., Boston, Mass. 02116.)
97. Pessl, Fred, Jr., Preliminary construction materials map, Woodbury quadrangle, Litchfield and New Haven Counties, Connecticut: 1 sheet, scale 1:24,000. (Wa, Da, M; Rm. 1, 270 Dartmouth St., Boston, Mass. 02116; Connecticut Geol. and Nat. History Survey, 303 Judd Hall, Wesleyan Univ., Middletown, Conn. 06457.)
98. Peterson, D. L., Complete bouguer gravity anomaly map of the San Francisco Mountains vicinity, Beaver and Millard Counties, Utah: 1 map, scale 1:62,500. (Wa, Da, M, Db, U; Utah Geol. and Mineralog. Survey, 103 Civil Engineering Bldg., Univ. of Utah, Salt Lake City, Utah 84102.)
99. Peterson, D. L., Principal facts for gravity stations in the San Francisco Mountains vicinity, Beaver and Millard Counties, Utah: 14 data sheets. (Wa, Da, M, Db, U; Utah Geol. and Mineralog. Survey, 103 Civil Engineering Bldg., Univ. of Utah, Salt Lake City, Utah 84102.)
100. Peterson, D. L., Principal facts for gravity stations in Sulphur Springs Valley, Arizona: 2 p., 10 p. data sheets. (Wa, Da, Db, U, SF, M, LA.)
101. Peterson, Fred, and Horton, G. W., Preliminary geologic map and coal deposits of the northeast quarter of the Gunsight Butte quadrangle, Kane County, Utah: 2 sheets, scale 1:24,000. (Wa, Da, M, Db, U.)
102. Peterson, Fred, and Waldrop, H. A., Preliminary geologic map of the southeast quarter of the Gunsight Butte quadrangle, Kane and San Juan Counties, Utah, and Coconino County, Arizona: 1 sheet, scale 1:24,000. (Wa, Da, M, Db, U.)
103. Philbin, P. W., and McCaslin, W. E., Aeromagnetic map of parts of Rockland, Water-smeet, Greenland, Ontonagon, and Iron Counties, Michigan, and Vilas and Forest Counties, Wisconsin: 1 map, scale 1:62,500. (Wa, Da, M; Geol. Survey Div., Dept. of Conserv., Lansing, Mich. 48926; Dept. of Geology, Michigan Technol. Univ., Houghton, Mich. 49931.)
104. Pillmore, C. L., Geologic map of the Catskill NW quadrangle, New Mexico and Colorado: 1 map, scale 1:24,000. (Wa, Da, M, Db, U, T; New Mexico Bur. of Mines and Mineral Resources, New Mexico Inst. of Mining and Technology, Socorro, N. Mex. 87801.)
105. Pitkin, J. A., and White, B. L., Total intensity aeromagnetic profiles over northwestern Puerto Rico: 1 sheet aeromagnetic profiles, 1 base map, scale 1:50,000. (Wa, Da, M; Industrial Laboratory, Puerto Rico Econ. Devel. Adm., Franklin D. Roosevelt Ave. and Lamar St., Hato Rey, San Juan, Puerto Rico 00918.)
106. Purtymun, W. D., and Kennedy, W. R., Distribution of moisture and radioactivity in the soil and tuff at the contaminated waste pit near Technical area 21, Los Alamos, New Mexico: 46 p., 15 figs. (Wb, Db, U, T; Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex. 87106.)
107. Randall, A. D., Map of unconsolidated surficial deposits in the Plainfield quadrangle, Connecticut: 23 p., 9 figs. (Wb; 204 Post Office Bldg., Middletown, Conn. 06458.)
108. Reed, B. L., and Detterman, R. L., Results of stream sediment sampling in the Iliamna quadrangle, Alaska: 1 p., 2 figs., 1 table. (Wa, Da, M, A, S, SF, Db, LA, T; Brooks Bldg., College, Alaska 99735; 203 Simpson Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 5th floor, Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Drive, Anchorage, Alaska 99504.)
109. Reeder, H. O., Fourteen maps of the hydrologic system, Minneapolis—St. Paul metropolitan area, Minnesota: (1) Piezometric surface of the Prairie du Chien-Jordan aquifer zone in 1885. (2) Piezometric surface of the Prairie du Chien-Jordan aquifer zone in 1949. (3) Piezometric surface of the Prairie du Chien-Jordan aquifer zone in 1959. (4) Piezometric surface of the Prairie du Chien-Jordan aquifer zone in 1965. (5) Piezometric surface of

- the Mt. Simon-Hinckley aquifer zone in 1885. (6) Piezometric surface of the Mt. Simon-Hinckley aquifer zone in 1949. (7) Piezometric surface of the Mt. Simon-Hinckley aquifer zone in 1959. (8) Piezometric surface of the Mt. Simon-Hinckley aquifer zone in 1965. (9) Change of piezometric surface of the Prairie du Chien-Jordan aquifer zone, 1885-1949. (10) Change of piezometric surface of the Prairie du Chien-Jordan aquifer zone, 1885-1959. (11) Change of piezometric surface of the Prairie du Chien-Jordan aquifer zone, 1885-1965. (12) Change of piezometric surface of the Mt. Simon-Hinckley aquifer zone, 1885-1949. (13) Change of piezometric surface of the Mt. Simon-Hinckley aquifer zone, 1885-1959. (14) Change of piezometric surface of the Mt. Simon-Hinckley aquifer zone, 1885-1965. (1002 Post Office Bldg., St. Paul, Minn. 55101.)
110. Richardson, E. E., Structure contours on top of the Vedder sand, southeastern San Joaquin Valley, California: 15 p., 1 pl., 3 figs., map scale 1:125,000. (Wa, Da, M, Db, SF, LA; Conserv. Div., 309 Federal Bldg., Bakersfield, Calif. 93301.)
111. Riley, F. S., Progress report on the U.S. Geological Survey tiltmeter station near Wheeler Ridge, California: 23 p., 7 figs. (Wb; 8003 Federal Bldg. and U.S. Court House, 650 Capitol Ave., Sacramento, Calif. 95814.)
112. Rioux, R. L., Hite, R. J., Dyni, J. R., and Gere, Willard, Geologic map of the Upper Valley quadrangle, Caribou County, Idaho: 1 map, scale 1:20,000. (Wa, Da, Db, U, S.)
113. Robie, R. A., Bethke, P. M., and Beard-sley, Keith, Selected X-ray crystallo-graphic data, molar volumes, and den-sities of minerals and related substances: 8 p. text, 104 p. tables. (Wa, Da, M.)
114. Robson, S. G., Ground-water conditions during the 1966 fiscal year, South Vandenberg area, Vandenberg Air Force Base, California: 19 p., 6 figs. (Wb, M, LA, SF.)
115. Robson, S. G., and Giessner, F. W., Ground-water conditions during 1965, South Vandenberg area, Vandenberg Air Force Base, California: 18 p., 6 figs. (Wb, M; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
116. Robson, S. G., and Giessner, F. W., Prog-ress report on investigation of the water resources of the North Vandenberg area, Vandenberg Air Force Base, Santa Bar-bar-a County, California: 37 p., 3 figs. (Wb, M; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
117. Rorabaugh, M. I., and Simons, W. D., Ex-ploration of methods of relating ground water to surface water, Columbia River basin—Second phase: 99 p., 57 figs. (Rm. 300, 1305 Tacoma Ave., S., Tacoma, Wash. 98402.)
118. Rosenshein, J. S., Geohydrology of Pleis-tocene deposits and sustained yield of principal Pleistocene aquifer, Lake Coun-ty, Indiana: 99 p., 25 figs. (Wb; Rm. 516, 611 N Park Ave., Indianapolis, Ind. 46204.)
119. Ruggles, F. H., Jr., Floods on small streams in Texas: 103 p., 16 figs. (Wb; Federal Bldg., 300 E 8th Ave., Austin, Tex. 78701.)
120. Saboe, C. W., Summer base-flow reces-sion curves for Iowa streams: 27 p., 3 figs. (Wb; 508 Hydraulic Laboratory, Iowa City, Iowa 52241.)
121. Seaber, P. R., and Hollyday, E. F., An ap-praisal of the ground-water resources of the Juniata River basin, Pennsylvania: 125 p., 5 figs. (Wb; 100 N Cameron St., Harrisburg, Pa. 17101.)
122. Shampine, W. J., Crain, L. J., Shipley, R. C., and Hood, J. B., Jr., Water re-sources of the Western Oswego River basin, New York—Interim report: 27 p., 6 figs. (Wb; 341 Federal Bldg., Albany, N. Y. 12201.)
123. Shaw, C. E., Jr., Stratigraphy and structural geology of the Sylacauga area, Alabama: 69 p., 11 figs. (Wb; Oil and Gas Board Bldg., Univ. of Alabama, Tuscaloosa, Ala. 35486.)
124. Siliceo, R. P., and Gallagher, David, Topo-graphic and geologic map of the Sain Alto mercury district, Municipio de Sain Alto, State of Zacatecas, Mexico: 1 map, scale 1:25,000. (Wa, Da, M.)
125. Smith, H. L., Geologic map of the New Salem quadrangle, Morton County, North Dakota: scale 1:24,000. (Wa, Da, Db; North Dakota Geol. Survey, Univ. of North Da-kota, Grand Forks, N. Dak. 58202.)
126. Snyder, G. L., Preliminary geologic map of part of the northern Park Range, Colo-rado: 3 sheets, scale 1:48,000. (Wa, Da, M, Db, U.)
127. Stromquist, A. A., Bedrock geologic map of the Denton quadrangle, North Carolina: 1 map and explanation (2 sheets) scale 1:48,000. (Wa, Da, M; 11 Post Office Bldg., Knoxville, Tenn. 37901; Div. of Mineral Resources, Dept. of Conserv. and Devel., State Office Bldg., Raleigh, N. C. 27600.)

128. Tailleux, I. L., Kent, B. H., Jr., and Reiser, H. N., *Outcrop/geologic maps of the Nuka-Edivluk region, northern Alaska: maps and explanation (7 sheets) scale 1:63,360.* (Wa, Da, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99735; 203 Simpson Bldg., 222 Seward St., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 5th floor, Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 95504.)
129. Taylor, R. E., Humphreys, C. P., Jr., and Shattles, D. E., *Interim report on water for industrial development in south-central Mississippi: 25 p., 3 figs.* (Wb; 302 U.S. Post Office Bldg., Jackson, Miss. 39205.)
130. Thordarson, William, *Perched ground water in zeolitized-bedded tuff, Rainier Mesa and vicinity, Nevada Test Site, Nevada: 90 p., 8 figs.* (Wb, SF, LA, U, M, Wa, Da, Db; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev. 89507; 279 Univ. of New Mexico, Albuquerque, N. Mex. 87106.)
131. Tourtelot, H. A., and Tailleux, I. L., *Oil yield and chemical composition of shale from northern Alaska: 17 p., 1 fig., 5 tables.* (Wa, Da, M, LA, SF, S, Db, T, A; Brooks Bldg., College, Alaska 99735; 203 Simpson Bldg., 222 Seward St., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 5th floor, Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 95504.)
132. Tschudy, R. H., *Palynological investigations in the Upper Cretaceous and Tertiary of the Mississippi Embayment Region - III: 17 p.* (Wa, Da, M; 710 W High St., Lexington, Ky. 40508; Kentucky Geol. Survey, 307 Mineral Industries Bldg., 120 Graham Ave., Lexington, Ky. 40506.)
133. Tschudy, R. H., and Van Loenen, S. D., *Plant microfossils from the Fort Union Formation: 3 p., 1 pl.* (Wa, Da, M.)
134. Tschudy, R. H., and Van Loenen, S. D., *Plant microfossils from the Lakota Formation: 3 p., 1 pl.* (Wa, Da, M.)
135. Twenter, F. R., and others, *General availability of ground water from bedrock in Michigan: 1 map.* (Wb; 700 Capitol Savings & Loan Bldg., Lansing, Mich. 48933.)
136. Twenter, F. R., and others, *General availability of ground water from the glacial deposits in Michigan: 1 map.* (Wb; 700 Capitol Savings & Loan Bldg., Lansing, Mich. 48933.)
137. U.S. Geological Survey, *Aeromagnetic map of Safford and vicinity, Graham and Greenlee Counties, Arizona: 2 sheets, scale 1:125,000.* (Wa, Da, M, Db, U, SF, LA; Arizona Bur. of Mines, Univ. of Arizona, Tucson, Ariz. 85721.)
138. U.S. Geological Survey, *Aeromagnetic map of the San Francisco Bay area, California: 2 sheets, scale 1:50,000.* (Wa, Da, M, SF, LA; Div. of Mines and Geology, Dept. of Conserv., Ferry Building, San Francisco, Calif. 94111.)
139. U.S. Geological Survey, *Aeromagnetic map of the San Simon Valley area, Cochise, Graham, and Greenlee Counties, Arizona, and Hidalgo County, New Mexico: 2 sheets, scale 1:125,000.* (Wa, Da, M, Db, U, SF, LA; Arizona Bur. of Mines, Univ. of Arizona, Tucson, Ariz. 85721.)
140. U.S. Geological Survey, *Aeromagnetic map of the southern part of the Knoxville quadrangle, North Carolina, South Carolina, and Tennessee: 2 sheets, scale 1:125,000.* (Wa, Da, M; Div. of Mineral Resources, Dept. of Conserv. and Devel., State Office Bldg., Raleigh, N. C. 27600.)
141. U.S. Geological Survey, *Astrogeologic studies, annual progress report, July 1, 1964 to July 1, 1965: 425 p., 129 figs., 19 tables, 15 lunar quadrangles 1:1,000,000, 1 Henby 1:360; 1 Albedo 1:10,000,000, 1 preliminary geologic map of the equatorial belt of the Moon (pts. A, B, C, and supplement).* (Wa, Da, M, Db, U, T, LA, SF, S, A.)
142. U.S. Geological Survey, *Lunar orbiter—Image analyses studies report, May 1, 1965 to January 31, 1966: 148 p., 42 figs., 10 tables, 1 pl.* (Albedo map of the Lunar Equatorial Belt, scale 1:5,000,000). (Wa, Da, M; 601 E Cedar Ave., Flagstaff, Ariz. 86001.)
143. U.S. Geological Survey, *Test data sheets for "Symposium on Shale" field trip May 16, 1966: 12 p.* (Wa, Da.)
144. U.S. Geological Survey, *Three aeromagnetic profiles in the Bitterroot Valley area, Montana and Idaho: 2 maps, scale 1:250,000.* (Wa, Da, M, Db, U, S.)
145. Van Alstine, R. E., *Geologic map of the Poncha Springs NE quadrangle, Chaffee County, Colorado: 1 map and explanation, scale 1:20,000.* (Wa, Da, M, Db, U.)
146. Veatch, F. M., Kimmel, G. E., and Johnston, E. E., *Surface- and ground-water conditions during 1959-61 in a part of Flett Creek basin, Tacoma, Washington: 45 p., 21 figs.* (Wb; Rm. 300, 1305 Tacoma Ave., S., Tacoma, Wash. 98402.)
147. Vine, J. D., *Analyses of some upper Paleozoic black shale samples and associated rocks: 8 p., 4 tables, 12 p. data sheets.* (Da, Wa, M, Db, U; Kentucky Geol. Survey, 307 Mineral Industries Bldg., 120 Graham Ave., Lexington, Ky. 40501.)

148. Waldbaum, D. R., Calorimetric investigation of the alkali feldspars: 247 p., 7 figs., 9 tables. (Wa, Da, M.)
149. Waldrop, H. A., and Sutton, R. L., Preliminary geologic map and coal deposits of the northwest quarter of the Nipple Butte quadrangle, Kane County, Utah: 1 sheet, scale 1:24,000. (Wa, Da, M, Db, U.)
150. Waldrop, H. A., and Sutton, R. L., Preliminary geologic map and coal deposits of the southwest quarter of the Nipple Butte quadrangle, Kane County, Utah, and Coconino County, Arizona: 1 sheet, scale 1:24,000. (Wa, Da, M, Db, U.)
151. Wall, J. R., Cordes, E. H., and Moreland, J. A., Progress report on salt-water intrusion studies, Sunset and Bolsa Gaps, Orange County, California: 44 p., 8 figs. (Wb, M; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
152. Weigle, J. M., and Kranes, Richard, Records of selected wells, springs, testholes, materials tests, and chemical analyses of water in the lower Merrimack River basin, New Hampshire: 44 p., 1 fig. (Rm. 205, 211 Congress St., Boston, Mass. 02100.)
153. Weissenborn, A. E., An appraisal of the mineral potential of the Peter's Mine area, Northwest District, Guyana: 20 p., 7 figs. (Wa, Da, M, S; Geol. Survey of Guyana, Georgetown, Guyana.)
154. Wier, K. L., Magnetic survey of part of southeastern Iron County and adjacent western Dickinson County, Michigan: 1 map, plus explanation (6 p.) covering this report and report nos. 34-37. (Wa; 222 Science Hall, Univ. of Wisconsin, Madison, Wis. 53706; Geol. Survey Div., Dept. of Conserv., Lansing, Mich. 48926.)
155. Wilson, K. V., Flood-frequency of streams in Jackson, Mississippi: 6 p., 4 figs. (Wb; 302 U.S. Post Office Bldg., Jackson, Miss. 39201.)
156. Yates, R. G., and Thompson, G. A., Geologic maps and sections, Study Butte mine, Terlingua quicksilver district, Brewster County, Texas: 3 maps. (Wa, Da, M, T; Bur. of Econ. Geology, Univ. of Texas, Austin, Tex. 78712.)
157. Young, K. B., Effect of treated effluent diversion on Yahara River flow, Wisconsin: 5 p., 2 figs. (Wb; 5001 University Ave., Madison, Wis. 53705.)

INDEX

Report	Report
Aeromagnetic maps. <u>See under area or State names.</u>	
Alabama, stratigraphy, Sylacauga area - -	123
structural geology, Sylacauga area - - -	123
Alaska, geologic map, Porcupine River Canyon - - - - -	10
geologic materials map, Anchorage and vicinity - - - - -	25
outcrop-geologic maps, Nuka-Edivluk region, northern part of State - - - - -	128
shale, oil yield and composition, northern part of State - - - -	131
stream sediments, Iliamna quadrangle - - - - -	108
strike-slip faults - - - - -	53
Antimony, Colorado, Lenado, Aspen quadrangle - - - - -	83
Arizona, aeromagnetic map, Cochise, Graham, and Greenlee Counties, San Simon Valley area - - - - -	139
aeromagnetic map, Graham and Greenlee Counties, Safford and vicinity - - - -	137
coal, Coconino County, southwest quarter of Nipple Butte quadrangle - - - - -	150
geologic map, Coconino County, southeast quarter of Gunsight Butte quadrangle - - - - -	102
Coconino County, southwest quarter of Nipple Butte quadrangle - - - - -	150
Santa Cruz and Pima Counties, Mount Wrightson quadrangle -	28
gravity stations, facts for, Safford and San Simon Valley - - - -	40
Sulphur Springs Valley - - - - -	100
lakes and lake sites, White Mountains, Fort Apache Indian Reservation - - - - -	91
road log, Santa Cruz and Pima Counties, southern Santa Rita Mountains - - - -	29
structural and stratigraphy, Tucson Basin - - - - -	95
Arkansas, coal, Yell, Pope, Logan, Johnson, and Franklin Counties, Dardanelle Reservoir area - - - - -	55
flood-flow characteristics, Caddo River - - - - -	59
geology, Arkansas River valley and adjacent areas - - - - -	4
hydrology, Arkansas River valley and adjacent areas - - - - -	4
Arsenic, Colorado, Lenado, Aspen quadrangle - - - - -	83
Astrogeologic studies, progress report - - -	141
Brazil, geologic map, Minas Gerais, Quadrilátero Ferrífero - - - -	27
California, aeromagnetic map, San Francisco Bay area - - - - -	138
aeromagnetic map, San Simon Valley area - - - - -	139
analog model construction, Orange County - - - - -	19
floods of November and December 1965, southern part of State - - - - -	61
geohydrologic reconnaissance, Death Valley National Monument, Saratoga Spring area - - - -	74
geologic maps, Monterey and San Luis Obispo Counties, Bradley and Tierra Redonda Mountain quadrangles - - - -	33
gravity stations, Death Valley region - - - - -	80
western Mojave Desert - - - - -	81
ground water, Edwards Air Force Base - - - - -	49
San Joaquin Valley - - - - -	75
Twentynine Palms, Marine Corps Base - - - - -	48
ground-water conditions, South Vandenberg Air Force Base - - - - -	114, 115
ground-water geology, Kern River alluvial-fan area - - - - -	21
ground-water studies, Upper Santa Ana Valley, Lytle Creek-San Sevaïne area - - - - -	44
hydrologic inventory, Santa Barbara County, Santa Ynez River basin - - - - -	42
hydrologic reconnaissance, Point Reyes National Seashore area - - - - -	22
hydrology, Kern River alluvial-fan area - - - - -	21
salt-water intrusion studies, Orange County, Sunset and Bolsa Gaps - - - - -	151
structure contours on Vedder sand, San Joaquin Valley, southeastern part - - - - -	110
subsidence, Fresno County, Panoche Creek fan - - - - -	13
subsurface-flow patterns, Upper Santa Ana Valley, Bloomington-Colton area - - -	51
test-well drilling, Antelope Valley, progress report - - - - -	7

California--Continued		Colorado--Continued	
tiltmeter station, near Wheeler Ridge - - - - -	111	water-table contour map, Boone to Fowler - - - - -	89
water-resources investigations, Santa Barbara County, Vandenberg Air Force Base - - - - -	116	zinc, Lenado, Aspen quadrangle - - - -	83
water supply, domestic, Mendocino County, Hopland Indian Rancheria - - - - -	1	Columbia River basin, ground and surface waters - - - - -	117
waterpower resources - - - - -	26	Connecticut, geologic map, surficial, Plainfield quadrangle - - - -	107
well data, San Joaquin Valley, Fresno area - - - - -	20	materials map, Litchfield and New Haven Counties, Woodbury quadrangle - - - -	97
Canada, geologic map, New Brunswick, northwestern part - - - - -	96	Crest-gaging stations, operation and maintenance - - - - -	45
Coal-mine bumps, instrumentation for study of - - - - -	78	Delaware, subbottom profiles, Delaware estuary - - - - -	88
Colorado, antimony, Lenado, Aspen quadrangle - - - - -	83	Feldspars, alkali, calorimetric in- vestigations - - - - -	148
aquifer transmissibility, Boone to Fowler - - - - -	65	Fort Apache Indian Reservation, Arizona, lakes and lake sites - - - - -	91
arsenic, Lenado, Aspen quadrangle - - -	83	Fort Union Formation, plant microfossils - - - - -	133
bedrock-surface contours, Boone to Fowler - - - - -	66	Gaging station, operation and maintenance -	45
earthquake studies, Denver area - - - -	60	Ground water, relating to surface water, methods for - - - - -	117
fossils, Mancos Shale and Mesaverde Group, Moffat and Rio Blanco Counties, Thorn- burg area - - - - -	38	<u>See also under State names.</u>	
geologic map, Catskill NW quadrangle - - - - -	104	Ground-water data, punch-card system - -	76
Chaffee County, Mount Harvard quadrangle - - - - -	9	Guyana, mineral potential appraisal, Peter's Mine area, Northwest District - - - - -	153
Chaffee County, Poncha Springs NE quadrangle - - - - -	145	Hydrologic tools and techniques - - - - -	12
Gunnison County, Mount Harvard quadrangle - - - - -	9	Idaho, aeromagnetic maps, Bitterroot Valley area - - - - -	144
northern Park Range - - - - -	126	geologic map, Caribou County, Upper Valley quadrangle - - - - -	112
Nye County, Striped Hills quadrangle - - - - -	85	pesticides, Boise River basin - - - - -	8
Pitkin County, Lenado mining district - - - - -	83	phosphate analyses of Permian rocks, Teton, Snake River, and Gros Ventre Ranges - - - - -	47
geology, Montrose County, Cerro Summit quadrangle - - - - -	24	stratigraphy of Permian rocks, Teton, Snake River, and Gros Ventre Ranges - - - - -	47
geophysical investigations, relation to earthquakes in Denver area - - - - -	60	waterpower classifications, Payette River basin - - - - -	16
gravity survey, San Luis Valley area - - - - -	46	Indiana, Pleistocene deposits and aquifer, geohydrology, Lake County - - - - -	118
lead, Lenado, Aspen quadrangle - - - -	83	water-resources information, Maumee River basin - - - - -	23
mercury, Lenado, Aspen quadrangle - -	83	Iowa, streams, base-flow recession curves - - - - -	120
mines and prospects, Clear Creek and Gilpin Counties, Idaho Springs district - - - - -	87	Kansas, flood-frequency relations - - - -	67
silver, Lenado, Aspen quadrangle - - -	83	Kentucky, engineering geology, Lexington and Fayette County - - - - -	69
stratigraphy, Mesaverde Group and Mancos Shale, Moffat and Rio Blanco Counties, Thornburg area - - - -	38	palynological investigations in Pennsylvanian - - - - -	73
water-supply prospects, Rocky Mountain National Park, Fall River entrance area - - - -	15	water resources, Fayette County area - - - - -	63
		Laboratory theory and methods - - - - -	54

Lakes and proposed lake sites, White Mountains, Fort Apache Indian Reservation, Arizona - - - - -	91	Montana--Continued	
Lakota Formation, plant microfossils - - - - -	134	paleogeography, Pennsylvanian and Permian tectonics and stratigraphy - - - - -	82
Lead, Colorado, Lenado, Aspen quadrangle - - - - -	83	Moon, Lunar orbiter, image analyses and albedo map - -	142
Lead-210, determination in water - - - - -	70	Nevada, geologic map, Nye County, Lathrop Wells quadrangle - - -	84
Lunar orbiter, image analyses - - - - -	142	geologic map, Silver Cloud mine - - - -	92
Maine, geology, Cupsuptic quadrangle - - -	57	ground water, perched, Rainier Mesa, Nevada Test Site - - -	130
Maryland, land resources, Patuxent River drainage basin - - - - -	94	New Hampshire, ground water, lower Merrimack River basin - - -	152
serpentinite quarry, geologic map, Montgomery County, Hunting Hill - - - - -	77	New Jersey, flood frequency and extent, Delaware River in vicinity of Belvidere - - - - -	43
water resources, Patuxent River drainage basin - - - - -	94	inundation of flood plain near Princeton - - - - -	6
Massachusetts, geologic map, Rowe quadrangle - - - - -	14	subbottom profiles, Delaware estuary - -	88
ground water, Housatonic River basin -	93	New Mexico, aeromagnetic map, Hidalgo County, San Simon Valley area - - - - -	139
time-of-travel studies, Hoosic River - - - - -	31	analytical data, Ambrosia Lake 1958-1962 - - - - -	52
Mercury, Colorado, Lenado, Aspen quadrangle - - - - -	83	geologic map, Catskill NW quadrangle -	104
Mexico, topographic and geologic map, State of Zacatecas, Municipio de Sain Alto - - -	124	radioactivity and moisture distribution at waste pit, Los Alamos, near Technical area 21 - - - - -	106
Michigan, aeromagnetic map, Gogebic, Ontonagon, and Iron Counties, Rockland, Watersmeet, Greenland, Beechwood, and Phelps quadrangles, parts of - - - -	103	water well no. 7, pilot hole, University of New Mexico - -	18
ground water, from bedrock - - - - -	135	New York, sediment, fluvial, Genesee River basin - - - - -	71
from glacial deposits - - - - -	136	time-of-travel studies, Genesee River basin - - - - -	30
hydrologic studies, small watersheds, Deer-Sloan basin - - - - -	72	Hoosic River - - - - -	31
magnetic survey, Iron and Dickinson Counties - - - - -	154	Lake Erie-Niagara River basins - -	32
Precambrian geology, Iron County, Florence East quadrangle - -	37	water resources, Western Oswego River basin - - - - -	122
Iron County, Florence West quadrangle - - - - -	34	North Carolina, aeromagnetic map, Knoxville quadrangle - - - -	140
water-resources information, Maumee River basin - - - - -	23	bedrock-geologic map, Denton quadrangle - - - - -	127
Minerals, X-ray crystallographic data, molar volumes, and densities - - - - -	113	North Dakota, geologic map, Morton County, New Salem quadrangle - - - - -	125
Minnesota, maps, hydrologic system, Minneapolis-St. Paul metropolitan area - - - - -	109	paleogeography, Pennsylvanian and Permian tectonics and stratigraphy - - - - -	82
Mississippi, floods, Jackson - - - - -	155	Ohio, seismic studies, Clark County, vicinity of Eagle City - - - -	58
water for industry, south-central part of State - - - - -	129	water-resources information, Maumee River basin - - - - -	23
Mississippi embayment, palynology, Upper Cretaceous and Tertiary - - - - -	132	Oregon, geologic map, Molalla-Salem Slope area - - - - -	56
Montana, aeromagnetic maps, Bitterroot Valley area - - -	144	waterpower classifications, Siuslaw River basin - - - -	17
coal sections, Moorhead coal field - - -	11	Paleozoic black shale, analyses - - - - -	147
geologic map, Moorhead coal field - - -	11	Pennsylvania, ground water, Juniata River basin - - - - -	121
glacier observations, Glacier National Park - - - - -	68	inundation of Schuylkill River flood plain, extent and frequency - - - - -	2
		Phosphorites, rare earths in - - - - -	3

	Report		Report
Precambrian geology, Michigan, Iron County - - - - -	37	Utah--Continued	
Wisconsin, Florence County - - - - -	37	Kane County, Nipple Butte quadrangle, northwest and southwest quarters - - -	149, 150
Puerto Rico, aeromagnetic profiles, northwestern part - - - - -	105	Kane and San Juan Counties, Gunsight Butte quadrangle, southeast quarter - - - - -	102
Punch-card system, ground-water data - - - - -	76	gravity studies, Beaver and Millard Counties, San Francisco Mountains vicinity - - - - -	98, 99
Rare earths, geochemistry in phosphorites, potential recovery - - - - -	3	metals, distribution, Stockton district - -	90
Rocks, world distribution - - - - -	50	Vegetation, world distribution - - - - -	50
Shale symposium, field trip data - - - - -	143	Vermont, geologic map, Rowe quadrangle - - - - -	14
Silver, Colorado, Lenado, Aspen quadrangle - - - - -	83	Washington, ground water, Tacoma, Flett Creek basin - - - - -	146
Soil, world distribution - - - - -	50	surface water, Tacoma, Flett Creek basin - - - - -	146
South Carolina, aeromagnetic map, Knoxville quadrangle - - - - -	140	<u>See also</u> Columbia River basin.	
South Dakota, paleogeography, Pennsylvanian and Permian tectonics and stratigraphy - -	82	Wisconsin, aeromagnetic map, Vilas and Forest Counties - - - - -	103
Surface water, relating to ground water, methods for - - - - -	117	Precambrian geology, Florence County, Florence East quadrangle - - - - -	37
<u>See also under State names.</u>		Florence County, Florence SE quadrangle - - - - -	35
Tennessee, aeromagnetic map, Knoxville quadrangle - - - - -	140	Florence West quadrangle - - - -	34
water resources, Memphis area, progress report - - - - -	5	Iron Mountain SW quadrangle - -	36
Texas, floods on small streams - - - - -	119	water, future for, Wolf River region - -	62
geologic map, Live Oak County area - -	39	Yahara River flow, effect of treated effluent diversion - - - - -	157
Brewster County, Terlingua quicksilver district - - - - -	156	Wyoming, phosphate analyses of Permian rocks, Teton, Snake River, and Gros Ventre Ranges - - - - -	47
natural salinity, control and water quality - - - - -	64	stratigraphy of Permian rocks, Teton, Snake River, and Gros Ventre Ranges - - - - -	47
storm runoff, effects of urbanization, Austin, Waller Creek - - - - -	41	X-ray crystallographic data - - - - -	113
Utah, aeromagnetic map, Uinta Mountains, Hayden Peak and vicinity - - - - -	86	Zinc, Colorado, Lenado, Aspen quadrangle - - - - -	83
Utah, coal, Kane County, Nipple Butte quadrangle, northwest and southwest quarters - - -	149, 150		
coal-mine bumps, instrumentation, Sunnyside - - - - -	78		
earthquakes, Sunnyside - - - - -	79		
geologic map, Kane County, Gunsight Butte quadrangle, northeast quarter - - - - -	101		