

GEOLOGICAL SURVEY CIRCULAR 428



REPORTS AND MAPS OF  
THE GEOLOGICAL SURVEY  
RELEASED ONLY IN THE  
OPEN FILES, 1959

UNITED STATES DEPARTMENT OF THE INTERIOR  
Fred A. Seaton, *Secretary*

GEOLOGICAL SURVEY  
Thomas B. Nolan, *Director*

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By Betsy A. Weld, Erwin S. Asselstine, and Arthur Johnson

Washington, D. C., 1960

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Free on application to the Geological Survey, Washington 25, D. C.



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## INTRODUCTION

This circular contains a list of the maps and reports released by the Geological Survey in 1959 that are available in open files. They may be consulted at the offices listed beneath each report.

The following circulars list open-file reports and maps released during the years indicated: 56 (1946-47), 64 (1948), 149 (1949-50), 227 (1951), 263 (1952), 337 (1953), 364 (1954), 379 (1955), 401 (1956), 403 (1957), and 412 (1958).

The Conservation Division has placed in open file 1 report on glacier observations in Montana, 2 reports on waterpower resources in the Pacific Northwest, 1 report on the geology of a coal district in Wyoming, 3 geologic and structure maps in Colorado, and 5 geologic and structure maps in Wyoming.

The reports and maps of the Geologic Division contain results of work accomplished by Survey geologists and geophysicists in 26 states, and Brazil, Libya,

Mexico, and Puerto Rico. These maps and reports are released in preliminary form in order to make information immediately available to persons concerned with exploration for and production of minerals, fuels, and construction materials.

The reports of the Water Resources Division contain information on streamflow, ground water, quality of water, and related geology and hydrology in the United States, and in the Caroline Islands, Tunisia, and the Virgin Islands.

The reports are arranged alphabetically by authors, and each one is preceded by a serial number. In the general index following this list of reports, the serial number is used to identify the report.

The following addresses cited in this circular are Geological Survey libraries: Room 1033, GSA Bldg. (General Services Administration Bldg.), Washington, D. C.; Federal Center, Denver, Colo.; and 345 Middlefield Rd., Menlo Park, Calif.

## MAPS AND REPORTS

1. Akers, J. P., McClymonds, N. E., and Harshbarger, J. W., Preliminary report on the availability of water in the Red Lake area, Navajo Indian Reservation: 22 p. 2 pls., Jan. 23, 1959. Geology Bldg., Univ. of Arizona, Tucson, Ariz; Room 1242-G, GSA Bldg., Washington, D. C.
2. Armstrong, F. C., Preliminary geologic cross section across Soda Springs 15-minute quadrangle, southeastern Idaho: 1 cross section with expl. Oct. 30, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; South 157 Howard St., Spokane, Wash.; Room 504, Federal Bldg., Salt Lake City, Utah; Idaho Bureau of Mines and Geology, Univ. of Idaho, Moscow, Idaho.
3. Barnes, F. F., Coal fields of Alaska: 5 p., 1 map. Nov. 10, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
4. Bayley, R. W., Iron deposits near Atlantic City and South Pass, Fremont County, Wyoming: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 213, Science Hall, Univ. of Wisconsin, Madison, Wis.; Geol. Survey of Wyoming, Laramie, Wyo.
5. Becraft, G. E., Geology of the southern part of the Turtle Lake Quadrangle, northeastern Washington: 94 p., 3 pls., 6 figs., 6 tables. Oct. 14, 1959. Room 1033, GSA Bldg., Washington, D. C.
6. Beikman, H. M., and Gower, H. D., Coal resources of southwestern Washington: 54 p., 15 figs., 8 tables. Jan. 2, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 232, Appraisers Bldg., San Francisco,

- Calif.; Division of Mines and Geology, Room 335, General Administration Bldg., Olympia, Wash.
7. Bergin, M. J., Preliminary geologic map of the Maybell-Lay area, Moffat County, Colorado: 1 map and cross sections. Apr. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; Room 468, New Custom House, Denver, Colo.; Room 305, Federal Bldg., Casper, Wyo.; Room 504, Federal Bldg., Salt Lake City, Utah; 345 Middlefield Rd., Menlo Park, Calif.
  8. Bergquist, W. E., List 11—Electric logs of wells drilled in northern Alaska: 12 p. Apr. 3, 1959. Room 2643, Interior Bldg., Washington, D. C.
  9. Bjorklund, L. J., and Motts, W. S., Geology and water resources of the Carlsbad area, Eddy County, New Mexico: 467 p., 14 pls., 54 figs. Nov. 4, 1959. Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Room 1242-G, GSA Bldg., Washington, D. C.
  10. Braddock, W. A., The geology of the Jewel Cave SW quadrangle, South Dakota, and its bearing on the origin of the uranium deposits in the southern Black Hills: 197 p., 8 pls., 47 figs., 5 tables. Aug. 13, 1959. Room 1033, GSA Bldg., Washington, D. C.; South Dakota Geol. Survey, State University, Vermillion, S. Dak.
  11. Brice, H. D., Whitaker, C. L., and Sawyer, R. M., A progress report on the disposal of storm water at an experimental seepage basin near Mineola, New York: 56 p., 2 pls., 22 figs. Dec. 19, 1959. 1505 Kellum Place, Mineola, Long Island, N. Y.; Room 343, Federal Bldg., Albany N. Y.; Room 2236, GSA Bldg., Washington D. C.
  12. Brown, R. H., Ground-water movement in a rectangular aquifer bounded by four ditches or canals: 14 p., 5 figs. Feb. 4, 1959. Room 1242-G, GSA Bldg., Washington, D. C.
  13. Brown, R. H., Instructions on preparation of water-level reports: 49 p., 6 figs. Mar. 3, 1959. Room 1242-G, GSA Bldg., Washington, D. C.
  14. Brown, R. H., The development of the cone of depression around a pumped well in an infinite strip aquifer subject to uniform recharge: 15 p., 6 figs. Oct. 2, 1959. Room 1242-G, GSA Bldg., Washington, D. C.
  15. Calkins, J. A., Parker, R. L., and Disbrow, A. E., Geologic map of the Curlew quadrangle, Ferry County, Washington: 1 map. Oct. 14, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah; Room 232, Appraisers Bldg., San Francisco, Calif.; South 157 Howard St., Spokane, Wash.; Division of Mines and Geology, room 335, General Administration Bldg., Olympia, Wash.
  16. Callaghan, Eugene, and Parker, R. L., Geologic maps of the Delano Peak and the northeastern part of the Beaver quadrangle, Utah: 3 maps. Oct. 14, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; South 157 Howard St., Spokane, Wash.; Division of Mines and Geology, room 335, General Administration Bldg., Olympia, Wash.
  17. Carter, R. F., Drainage area data for Georgia streams: 252 p., 45 figs. Dec. 19, 1959. Room 609, 805 Peachtree Street Bldg., Atlanta, Ga.; 1203 North College Ave., Tifton, Ga.; 108 West Currahee St., Toccoa, Ga.; Room 2236, GSA Bldg., Washington, D. C.
  18. Chidester, A. H., Steatitization of serpentinite bodies in north-central Vermont: 71 p., 5 figs., 2 tables. Aug. 13, 1959. Room 1033, GSA Bldg., Washington, D. C.
  19. Chisholm, W. A., Described sections of rocks of Chester and Morrow age in Newton and Searcy Counties, Arkansas: 107 p., 2 figs., 1 table. Sept. 21, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 602, Thomas Bldg., Dallas, Tex.; Arkansas Geol. and Conservation Commission, State Capitol, Little Rock, Ark.
  20. Cobb, E. H., Antimony, bismuth, and mercury occurrences in Alaska: 1 map. Nov. 10, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
  21. Cobb, E. H., Chromite, cobalt, nickel, and platinum occurrences in Alaska: 1 map. Nov. 10, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
  22. Cobb, E. H., Copper and lead-zinc occurrences in Alaska: 1 map. Nov. 10, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
  23. Cobb, E. H., Molybdenum, tin and tungsten occurrences in Alaska: 1 map. Nov. 10, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
  24. Craig, L. C., Measured sections of Morrison and adjacent formations: 173 measured sections, 1 fig. Sept. 8, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; Room 504, Federal Bldg., Salt Lake City, Utah.
  25. Cressman, E. R., Geologic map of Georgetown Canyon and vicinity, Bear Lake and Caribou Counties, Idaho: 1 map. Apr. 17, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah; South 157 Howard St., Spokane, Wash.; Idaho Bureau of Mines and Geology, Univ. of Idaho, Moscow, Idaho.
  26. Cserna, E. G., and Rioux, R. L., Geologic and structure map of the Glenrock area, Natrona and Converse Counties, Wyoming: 1 map. July 31, 1959. Room 1033, GSA Bldg., Washington,

- D. C.; Room 468, New Custom House, Denver, Colo.
27. Cushing, E. M., First-year progress on the study of the geohydrology of the principal water-bearing formations of the Mississippi Embayment: 31 p., 10 figs. Feb. 2, 1959. Memphis General Depot, U.S. Army, Memphis, Tenn.; Room 1033, GSA Bldg., Washington, D. C.
  28. Darling, J. M., Floods in Maryland, magnitude and frequency: 9 p., 1 pl., 4 figs., Dec. 19, 1959. Room 106, Engineering Classroom Bldg. Univ. of Maryland, College Park, Md.; Room 2236, GSA Bldg., Washington, D. C.
  29. Dibblee, T. W., Jr., Geology of the Rogers Lake quadrangle, California: 1 map. Apr. 3, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
  30. Dibblee, T. W., Jr., Geology of the Rosamond quadrangle, California: 1 map. Apr. 3, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
  31. Dibblee, T. W., Jr., Geologic map of the Inyokern quadrangle, California: 1 map. Dec. 28, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.
  32. Diment, W. H., Healey, D. L., and Roller, J. C., Gravity and seismic exploration in Yucca Valley, Nevada Test Site—January—April, 1959: 41 p., 13 figs., 5 tables. Oct. 14, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah.
  33. Diment, W. H., Wilcox, R. E., Keller, G. V., Dobrovolny, E., Kracek, F. C., Roller, J. C., Peselnick, L. C., Robertson, E. C., Lachenbruch, A. H., and Bunker, C. M., Properties of Oak Spring formation in Area 12 at the Nevada Test Site: 120 p., 55 figs., 30 tables. May 12, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.
  34. Diment, W. H., Wilmarth, V. R., Houser, F. N., Dickey, D. D., Hinrichs, E. N., Botinelly, T., Wilcox, R. E., and Byers, F. M., Jr., Geological Survey investigations in the U12e.05 tunnel, Nevada Test Site: 70 p., 7 figs., 8 tables. Aug. 28, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah.
  35. Diment, W. H., Wilmarth, V. R., McKeown, F. A., Dickey, D. D., Botinelly, T., Hinrichs, E. N., Roach, C. H., Byers, F. M., Jr., Izett, G. A., and Johnson, G. R., Geological Survey investigations in the U12b.01 tunnel, Nevada Test Site: 38 p., 6 figs., 7 tables. Aug. 28, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah.
  36. Diment, W. H., Wilmarth, V. R., McKeown, F. A., Dickey, D. D., Hinrichs, E. N., Botinelly, T., Roach, C. H., Byers, F. M., Jr., Hawley, C. C., Izett, G. A., and Clebsch, A., Jr., Geological Survey investigations in the U12b.03 and U12b.04 tunnels, Nevada Test Site: 74 p., 11 figs., 14 tables. Aug. 28, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah.
  37. Diment, W. H., Wilmarth, V. R., Wilcox, R. E., Clebsch, A., Jr., Manger, G. E., Hawley, C. C., Keller, G. V., Robertson, E. C., Peselnick, L. C., Bunker, C. M., Healey, D. L., Kane, M. F., Roth, E. F., Stewart, S. W., Roller, J. C., Jackson, W. E., Oliver, H. W., Byerly, P. E., and Mabey, D. R., Geologic effects of the Rainier underground nuclear explosion: 134 p., 2 pls., 28 figs., 13 tables. May 12, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.
  38. Dutcher, L. C., and Burnham, W. L., Geology and ground-water hydrology of the Mill Creek area, San Bernardino County, California: 213 p., 14 pls. June 3, 1959. 2929 Fulton Ave., Sacramento, Calif.; 221 Redondo Ave, Long Beach, Calif.; Room 1242-G, GSA Bldg., Washington, D. C.
  39. Faul, Henry, Jager, E., Robinson, R. H., and Thomas, H. H., Potassium-argon project report for the year 1958-1959: 9 p. Oct. 16, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.
  40. Fellows, R. E., and others, Mineral resources of Alaska: 141 p., 13 figs. Dec. 28, 1959. 345 Middlefield Rd., Menlo Park, Calif.
  41. Fries, C. F., Geology of the State of Morelos and contiguous areas in south-central Mexico: 210 p., 22 pls., 2 figs. Jan. 26, 1959. Room 1033, GSA Bldg., Washington, D. C.
  42. Golden, H. G., Low-flow, analysis of Pearl River at Jackson, Mississippi: 6 p., 3 charts. Dec. 19, 1959. 402 High St., Jackson, Miss.; Room 2236, GSA Bldg., Washington, D. C.
  43. Goode, H. D., Surficial deposits, geomorphology, and Cenozoic history of the Eureka quadrangle, Utah: 126 p., 29 figs. June 8, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 504, Federal Bldg., Salt Lake City, Utah.
  44. Goudarzi, Gus, A summary of the geologic history of Libya: 8 p., 1 map. Nov. 16, 1959. Room 1033,

- GSA Bldg., Washington, D. C.; Office of the Petroleum Committee, Ministry of the National Economy, Tripoli, Libya.
45. Grossman, I. G., Ground-water data from St. Thomas, Virgin Islands: 35 p., 1 fig. June 11, 1959. 1209 Avenida Fernandez Juncos Santurce, San Juan, Puerto Rico; Room 1242-G, GSA Bldg., Washington, D. C.
  46. Grozier, R. U., Characteristics of tide-effected flow of Brazos River below Freeport, Texas, November 12-13, 1958: 33 p., 22 figs. Dec. 19, 1959. 807 Brazos St., Austin, Tex.; 300 West Vickery St., Fort Worth, Tex.; Room 1013, Federal Bldg., Houston, Tex.; 1602 West Beauregard St., San Angelo, Tex.; Room 318-319, Federal Bldg., Wichita Falls, Tex.; Room 2236, GSA Bldg., Washington, D. C.
  47. Hale, W. E., and Clebsch, Alfred, Jr., Preliminary appraisal of ground-water conditions in southeastern Eddy County and southwestern Lea County, New Mexico: 29 p., 3 figs. Nov. 6, 1959. Room 279, Geology Bldg., Univ. of New Mex., Albuquerque, N. Mex.; Room 1242-G, GSA Bldg., Washington, D. C.
  48. Hansen, W. R., and Lemke, R. W., Geology of the USGS and Rainier Tunnel areas, Nevada Test Site: 111 p., 8 figs., 7 tables. May 12, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.
  49. Harshbarger, John, and others, Capturing additional water in the Tucson area: 70 p., 18 figs. Nov. 25, 1959. Geology Bldg., Univ. of Arizona, Tucson, Ariz.; Room 1242-G, GSA Bldg., Washington, D. C.
  50. Harvey, E. J., Golden, H. G., and Butts, R. K., Water resources of the Pascagoula area, Mississippi—Progress report: 28 p., 2 figs. June 22, 1959. P. O. Box 2052, 402 High St., Jackson 5, Miss.; Room 1242-G, GSA Bldg., Washington, D. C.
  51. Hearn, B. C., Jr., Geology of the northern half of the Rattlesnake quadrangle, Bearpaw Mountains, Montana: 195 p., 3 pls., 50 figs. June 8, 1959. Room 1033, GSA Bldg., Washington, D. C.
  52. Hembree, C. H., Iorns, W. V., Oakland, G. L., and Phoenix, D. A., Chemical quality of water in the Lower Duchesne River drainage basin: 22 p., 1 pl., 10 figs., 11 tables. Nov. 16, 1959. Bldg. 504, Ft. Douglas, Utah; Room 503, Post Office Bldg., Salt Lake City, Utah; 516 Judge Bldg., Salt Lake City, Utah.
  53. Heyl, A. V., Jr., Agnew, A. F., Lyons, E. J., and Behre, C. H., Jr., Production data for the upper Mississippi Valley lead-zinc district: 3 p. Jan. 12, 1959. Room 1033, GSA Bldg., Washington, D. C.
  54. Hildebrand, F. A., and Smith, R. J., Occurrence of alunite, pyrophyllite, and clays in the Cerro La Tiza area, Puerto Rico: 82 p., 6 pls. Jan. 26, 1959. Room 1033, GSA Bldg., Washington, D. C.; Library, Department of Industrial Research, Economic Development Administration, Roosevelt, P.R.
  55. Hood, J. W., Summary of results of ground-water investigation in vicinity of Boles well field, Otero County, New Mexico: 17 p., 3 figs. May 26, 1959. Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Room 1242-G, GSA Bldg., Washington, D. C.
  56. Hoover, Linn, Geology of the Anlauf and Drain quadrangles, Douglas and Lane Counties, Oregon: 95 p., 3 pls., 18 figs. June 8, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Department of Geology and Mineral Industries, Room 1069, State Office Bldg., Portland, Oreg.
  57. Horn, G. H., Geologic and structure map of Teapot Dome and vicinity, Natrona County, Wyoming: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.
  58. Horn, G. H., Geologic and structure map of the Maudlin Gulch, Temple Canyon, and Danforth Hills oil fields and vicinity, Moffat County, Colorado: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.
  59. Horn, G. H., Geologic and structure map of the Sage Spring Creek oil field and vicinity, Natrona and Converse Counties, Wyoming: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.
  60. Horn, G. H., Geologic and structure map of the West Salt Creek oil field, Natrona County, Wyoming: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.
  61. Horn, G. H., and Adair, J. S., Geologic map of Ragged Mountain coal area, Gunnison County, Colorado: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.
  62. Horn, G. H., and Cotton, C. B., Geologic and structure map of the Little Sand Draw oil field, Hot Springs, Wyoming: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.
  63. Horn, G. H., and Gere, W. C., Geology of the Rifle Gap coal district, Garfield County, Colorado: 13 p., 1 map. Oct. 5, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.
  64. Horn, G. H., and Richardson, E. E., Areal geology of the West Sussex oil field, Johnson County, Wyoming: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.
  65. Horn, G. H., and Richardson, E. E., Geologic and structure map of the Williams Fork Mountains coal field, Moffat County, Colorado: 1 map. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.

66. Hosman, R. L., *Arky's Aquafacts*: 29 p. Dec. 17, 1959. 217 Main St., Little Rock Ark. Room 1242-G, GSA Bldg., Washington, D. C.
67. Houser, F. N., and Poole, F. G., Lithologic log and drilling information for the Marble exploration hole 3, U15 area, Nevada Test Site, Nye County, Nevada: 22 p., 2 figs., 4 tables. Nov. 6, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah.
68. Houser, F. N., and Poole, F. G., "Granite" exploration hole, Area 15, Nevada Test Site, Nye County, Nevada—Interim report, part A, structural, petrographic, and chemical data: 58 p., 5 figs., 11 tables. Dec. 28, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah.
69. Isbister, John, Ground-water levels and related hydrologic data from selected observation wells in Nassau County, Long Island, New York: 99 p. 1 pl., 7 figs. Mar. 25, 1959. 1505 Kellum Place, Mineola, Long Island, N. Y.; Room 1242-G, GSA Bldg., Washington, D. C.
70. Jahns, R. H., Willard, M. E., and White, W. S., Preliminary bedrock geologic map of the Lowell-Westford area, Massachusetts: 1 map. Nov. 6, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 1, 270 Dartmouth St., Boston, Mass.; Massachusetts Department of Public Works, 100 Nashua St., Boston, Mass.
71. Johnson, Arthur, Glacier observations, Glacier National Park, Montana, 1957 and 1958: 32 p., 4 figs. Mar. 10, 1959. Room 1033, GSA Bldg., Washington, D. C.; Room 468, New Custom House, Denver, Colo.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 244, Federal Bldg., Tacoma, Wash.; Room 409, Federal Bldg., Helena, Mont.; Room 307, Federal Office Bldg., Omaha, Nebr.; Glacier National Park, West Glacier, Mont.
72. Kachadoorian, Reuben, Campbell, R. H., Sainsbury, C. L., and Scholl, D. W., Geology of the Ogotoruk Creek area, northwestern Alaska: 43 p., 6 figs., 7 tables. Oct. 14, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 204, Denali Bldg., Anchorage, Alaska.
73. Knechtel, M. M., Hamlin, H. P., and Hosterman, J. W., Bloating clay deposits in southern Maryland: 29 p., 1 map, 2 tables. Nov. 20, 1959. Room 1033, GSA Bldg., Washington, D. C.; Central Library, Department of Interior Bldg., Washington, D. C.; Eastern Experiment Station, Bureau of Mines, College Park, Md.; Maryland Department of Geology, Mines and Water Resources, Latrobe Hall, The Johns Hopkins Univ., Baltimore, Md.; Electrotechnical Experiment Station, Bureau of Mines, Norris, Tenn.
74. Kunkel, Fred, Map of the Murrieta, Bachelor Mountain, and parts of the Pechanga and Temecula quadrangles showing geology, locations of selected wells, and water-level contours for October, 1958; 2 maps. July 28, 1959. 2929 Fulton Ave., Sacramento, Calif.; 221 Redondo Ave., Long Beach, Calif.; Room 1242-G, GSA Bldg., Washington, D. C.
75. Laine, L. L., Surface waters of Little River basin in central Oklahoma: 47 p., 8 figs. Apr. 28, 1959. Room 402, 1101 North Broadway, Oklahoma City, Okla.; Room 2236, GSA Bldg., Washington, D. C.; Oklahoma Water Resources Board, State Capitol, Oklahoma City, Okla.
76. Laine, L. L., Surface waters of Illinois River basin in Arkansas and Oklahoma: 65 p., 13 figs. May 23, 1959. Room 402, 1101 North Broadway, Oklahoma City, Okla.; Room 2236, GSA Bldg., Washington, D. C.; Oklahoma Water Resources Board, State Capitol, Oklahoma City, Okla.
77. Laine, L. L., Correlative estimates of discharge for Verdigris River (tributary to Arkansas River) near Tenapah, Oklahoma, for year ending September 30, 1938: 2 p. July 1, 1959. Room 402, 1101 North Broadway, Oklahoma City, Okla.; Room 2236, GSA Bldg., Washington, D. C.
78. LeRoux, E. F., and Drescher, W. J., Statement concerning the probable effect of increased water withdrawals from the Niagara dolomite at Argonne National Laboratory, Illinois: 12 p., 7 figs. Dec. 1, 1959. 175 Science Hall, Univ. of Wisconsin, Madison, Wis.; 1242-G, GSA Bldg., Washington, D. C.
79. Lohman, S. W., Testimony—Mesa County, Colorado: 18 p., Oct. 20, 1959. Federal Center, Denver, Colo.; Room 1242-G, GSA Bldg., Washington, D. C.
80. McCabe, J. A., and Crosby, O. A., Floods in North and South Dakota, frequency and magnitude: 132 p., 1 map, 21 figs. Aug. 24, 1959. Room 7, 202½ Third St., Bismarck, N. Dak.; Room 207, Federal Bldg., Pierre, S. Dak.; Room 2236, GSA Bldg., Washington, D. C.
81. McKeown, F. A., Houser, F. N., Dickey, D. D., Poole, F. G., Stewart, S. W., and Clebsch, A., Jr., Preliminary report on the geologic effects of Logan underground test, U12e.02 tunnel, Rainier Mesa, Nye County, Nevada: 30 p., 9 figs. Dec. 9, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah.
82. McKeown, F. A., and Wilmarth, V. R., Geology of the Marble exploration hole 4, Nevada Test Site, Nye County, Nevada: 26 p., 3 figs. Dec. 28, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg.,



Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah.

83. Miller, G. A., Water levels in observation wells in Santa Barbara County, California, in 1958: 43 p., 9 pls. Aug. 12, 1959. 2929 Fulton Ave., Sacramento, Calif.; 121 West De La Guerra St., Santa Barbara, Calif.; Room 1033, GSA Bldg., Washington, D. C.; 221 Redondo Ave., Long Beach, Calif.
84. Mitchell, W. D., Accuracy of extended records at secondary stations: 10 p., 3 figs. Aug. 24, 1959. 605 South Neil St., Champaign, Ill.; Room 2236, GSA Bldg., Washington, D. C.
85. Moore, G. W., Description of core from AEC drill hole No. 1, Project GNOME, Eddy County, New Mexico: 27 p., 1 fig. Dec. 9, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; Room 468, New Custom House, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 602, Thomas Bldg., Dallas, Tex.
86. Morey, G. W., The action of heat and of superheated steam on the tuff of the Oak Spring formation: 13 p., 4 tables. May 12, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.
87. Morrison, R. B., Stratigraphic sections, well logs, and soil-profile sections in the southern Carson Desert near Fallon, Nevada: 294 p., 1 pl., 2 tables. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah; Nevada Bureau of Mines, Univ. of Nevada, Reno, Nev.
88. Muessig, S. J. and Quinlan, J. J., Geologic map of the Republic and part of the Wauconda quadrangles, Washington: 1 map. Oct. 14, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; Room 504, Federal Bldg., Salt Lake City, Utah; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; South 157 Howard St., Spokane, Wash.; Division of Mines and Geology, Room 335, General Administration Bldg., Olympia, Wash.
89. Newport, T. G., Geology and ground-water resources of Fond du Lac County, Wisconsin: 197 p., 25 figs. Apr. 23, 1959. Room 175, Science Hall, Univ. of Wisconsin, Madison, Wis.; Room 1242-G, GSA Bldg., Washington, D. C.
90. Nolan, T. B., Broderick, Alan, Dorr 2d, J. V. N., Griggs, D. T., and Shelton, J. S., Geologic map of the Eureka mining district, Nevada: 1 map, 9 cross sections. June 1, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah; Nevada Bureau of Mines, Reno, Nev.
91. Oda, U., Myers, A. T., and Cooley, E. F., A field method of spectrographic analysis for use in geochemical exploration work: 8 p., 2 tables. Feb. 27, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.
92. Patton, W. W., Jr., Geology of the upper Killik-Itkillik region, Alaska: 142 p., 2 pls., 30 figs., 2 tables. Aug. 13, 1959. Room 1033, GSA Bldg., Washington, D. C.; Alaskan Geology Branch, USGS, 345 Middlefield Rd., Menlo Park, Calif.; Room 204, Denali Bldg., Anchorage, Alaska
93. Petri, L. R., and Smith, R. O., Investigation of the quality of ground water in the vicinity of Derby, Colorado: 61 p., 7 pls., 5 figs., 13 tables. Dec. 18, 1959. Federal Center, Denver, Colo.; Room 510, Rudge-Guenzel Bldg., Lincoln, Nebr.; Room 468, New Custom House, Denver, Colo.; Room 1242-K, GSA Bldg., Washington, D. C.
94. Péwé, T. L., Hopkins, D. M., and Lachenbruch, A. H., Engineering geology bearing on harbor site selection along the northwest coast of Alaska from Nome to Point Barrow: 57 p., 10 pls. Oct. 14, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 204, Denali Bldg., Anchorage Alaska
95. Pierce, W. G., and Rich, E. L., Summary of rock salt deposits in the United States as possible disposal sites for radioactive waste: 174 p., 37 figs., 2 tables. Oct. 14, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; Room 468, New Custom House, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah; Room 602, Thomas Bldg., Dallas, Tex.
96. Pomerene, Joel, Preliminary geologic maps of the Belo Horizonte, Ibirite, and Macacos quadrangles, Minas Gerais, Brazil: 3 maps. Nov. 16, 1959. Room 1033, GSA Bldg., Washington, D. C.; Departamento Nacional de Producao Mineral, Rio de Janeiro, and Belo Horizonte, Brazil.
97. Price, Don, Drilling and test pumping a replacement well at Arches National Monument, Grand County, Utah: 12 p., 1 fig. June 11, 1959. Room 503-A, Federal Bldg., Salt Lake City, Utah; Room 1033, GSA Bldg., Washington, D. C.
98. Pride, R. W., Floods in Florida, magnitude and frequency: 136 p., 1 map, 22 figs. July 1, 1959. Building 211, Roosevelt Village, Ocala, Fla.; Room 2236, GSA Bldg., Washington, D. C.
99. Prinz, W. C., Geology of the southern part of the Menominee district, Michigan and Wisconsin: 221 p., 27 pls., 6 figs., 13 tables. Apr. 17, 1959.

- Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.; Room 213, Science Hall, Univ. of Wisconsin, Madison, Wis.; Geological Survey, Iron Mountain, Mich.
100. Rapp, J. R., Reconnaissance of the geology and ground-water resources of the Farmington area. San Juan County, New Mexico; 10p., 1 fig. Sept. 15, 1959. Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Room 1242-G, GSA Bldg., Washington, D. C.
  101. Repenning, C. A., Geologic summary of the San Juan Basin, New Mexico, with reference to disposal of liquid radioactive waste: 57 p., 18 figs. Nov. 6, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; Room 468, New Custom House, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 602, Thomas Bldg., Dallas, Tex.
  102. Roller, J. C., Stewart, S. W., Jackson, W. H., Warrick, R. E., and Byerly, P. E., Seismic measurements by the U.S. Geological Survey during the pre-GNOME high-explosives tests—A preliminary summary: 34 p., 1 fig., 5 tables. Aug. 28, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; Room 468, New Custom House, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 602, Thomas Bldg., Dallas, Tex.
  103. Ross, C. P., The classification and character of the Belt series in northwestern Montana: 192 p., 1 pl., 8 tables. Apr. 17, 1959. Room 1033, GSA Bldg., Washington, D. C.; Bldg. 25, Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; South 157 Howard St., Spokane, Wash.; Bureau of Mines and Geology, Montana School of Mines, Butte, Mont.
  104. Ross, Malcom, Crystal chemical studies of certain uranyl sulfate compounds: 46 p., 7 figs. June 8, 1959. Room 1033, GSA Bldg., Washington, D. C.
  105. Rynearson, G. A., Pico de Itabira iron ore deposit, Minas Gerais, Brazil: 1 map. Jan. 6, 1959. Room 1033, GSA Bldg., Washington, D. C.; Departamento Nacional de Producao Mineral, Rio de Janeiro, Brazil.
  106. Sable, E. G., Preliminary report on sedimentary and metamorphic rocks in part of the Romanof Mountains, Brooks Range, northeastern Alaska: 84 p., 1 pl., 11 figs. Dec. 9, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; South 157 Howard St., Spokane, Wash.; Room 204, Denali Bldg., Anchorage, Alaska; Brooks Memorial Mines Bldg.; College, Alaska.
  107. Sainsbury, C. L., and Campbell, R. H., Geologic strip map of part of Kukpuk River, northwestern Alaska: 10 p., 1 map, Sept. 17, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Brooks Memorial Mines Bldg., College, Alaska; Room 117, Federal Bldg., Juneau, Alaska; State Division of Mines and Minerals, Territorial Bldg., Juneau, Alaska; Room 204, Denali Bldg., Anchorage, Alaska; South 157 Howard St., Spokane, Wash.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 602, Thomas Bldg., Dallas, Tex.
  108. Shoemaker, E. M., Impact mechanics at Meteor Crater, Arizona: 55 p., 7 figs. Dec. 28, 1959. Room 1033, GSA Bldg., Washington, D. C.
  109. Simpson, T. A., General geology and structural features of the Birmingham red iron ore district, Alabama: 80 p., 10 pls., 7 figs. Apr. 23, 1959. Bldg. 6, Smith Woods, Univ. of Alabama, University, Ala.; Room 1242-G, GSA Bldg., Washington, D. C.
  110. Stuart, W. T., Testimony before the Federal Power Commission in the matter of city of Seattle, Washington, and Public Utility District No. 1 of Pend Oreille County, Washington: 30 p., 2 figs. May 13, 1959. Room 1242-G, GSA Bldg., Washington, D. C.
  111. Swenson, F. A., Domestic water-supply situation at Customs-Immigration Station, Sweetgrass, Montana: 7 p., 1 fig. Dec. 16, 1959. Room 210, Reclamation Bldg. B, 7th and Central Ave., Billings, Mont.; Room 1242-G, GSA Bldg., Washington, D. C.
  112. Swenson, F. A., Map of Montana showing unconsolidated deposits in which wells yielding 250 gpm or more have been constructed, 1959: 1 map. Dec. 16, 1959. Room 210, Reclamation Bldg. B, 7th and Central Ave., Billings, Mont.; Room 1242-G, GSA Bldg., Washington, D. C.
  113. Taylor, A. O., and Powers, J. F., Geologic map of the Wah Wah Range, Beaver County, Utah: 1 map. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 504, Federal Bldg., Salt Lake City, Utah; Utah Geol. and Mineralog. Survey, Univ. of Utah, Salt Lake City, Utah.
  114. Thomas, H. E., Some problems in regulation of ground water in Hawaii: 21 p. Apr. 7, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
  115. Thomas, H. E., Essentials for optimum use of ground-water resources: 24 p. June 8, 1959. Room 1033, GSA Bldg., Washington, D. C.; 345 Middlefield Rd., Menlo Park, Calif.
  116. Tice, R. H., Extent and frequency of inundation of flood plain near Raritan, New Jersey: 14, p., 4 figs. Apr. 30, 1959. Room 433, Federal Bldg. Trenton, N. J.; Room 2236 GSA Bldg., Washington, D. C.
  117. Geological Survey, Microfilmed well logs of the northern Appalachian basin: 48 rolls of 35 mm. microfilm. May 8, 1959. Library of Congress, Photoduplication Service, Washington, D. C.

118. U.S. Geological Survey, Location of geologic field projects in the program of the Geologic Division as of July 1, 1958; Location of geophysical field projects in the program of the Geologic Division as of July 1, 1958; Location of geologic field projects in Alaska in the program of the Geologic Division as of July 1, 1958; 3 maps plus app. Feb. 17, 1959. Room 1033, GSA Bldg., Washington, D.C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 11, Post Office Bldg., Knoxville, Tenn.; Room 504, Federal Bldg., Salt Lake City, Utah; Room 213, Science Hall, Univ. of Wisconsin, Madison, Wis.; South 157 Howard St., Spokane, Wash.; Room 468 New Custom House, Denver, Colo.; Room 602, Thomas Bldg., Dallas, Tex.; Room 232, Appraisers Bldg., San Francisco, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 204, Denali Bldg., Anchorage, Alaska.
119. U.S. Geological Survey and U.S. Bureau of Mines, Review of southeastern iron ores exclusive of the Birmingham district, with emphasis on the Silurian hard red ores; 40 p., 2 maps with cross sections, 11 tables: Dec. 2, 1959, Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 11, Post Office Bldg., Knoxville, Tenn.; Room 404, Hamilton Bank Bldg., Knoxville, Tenn.; Dept. of Conservation, Division of Geology, 905 Locust St., Knoxville, Tenn.; G-5 State Office Bldg., Nashville, Tenn.; Metallurgy Research Laboratory, Norris, Tenn.; Georgia Dept. of Mines, Mining and Geology, 19 Hunter St. SW., Atlanta, Ga.; Geol. Survey of Alabama, University, Ala.; Bureau of Mines Metallurgy Research Center, University, Ala.
120. Valenciano, Santos, and Takasaki, K. J., Military Geology of the Truk Islands, Caroline Islands—Water Resources: 227 p., 5 pls., 6 figs. Feb. 10, 1959. Room 333, Federal Bldg., Honolulu, Hawaii; Room 1242-G, GSA Bldg., Washington, D. C.
121. Visher, F. N., and Mink, J. F., Summary of preliminary findings in ground-water studies of southern Oahu, Hawaii: 19 p., 14 figs. Feb. 17, 1959. Room 1033, GSA Bldg., Washington, D.C.; Room 333, Federal Bldg., Honolulu, Hawaii.
122. Vorhis, R. C., Hydrogeology of the Zarzia area, Tunisia: 20 p., 1 fig. May 19, 1959. Room 1242-G, GSA Bldg., Washington, D. C.
123. Waite, H. A., and others, Semiannual report of water levels in selected observation wells in Utah: 6 p. Apr. 6, 1959. Room 1033, GSA Bldg., Washington, D.C.; Room 503-A, Federal Bldg., Salt Lake City, Utah.
124. Wallace, R. M., Geologic map of the Lagoa Grande quadrangle, Minas Gerais, Brazil: 1 map. Mar. 30, 1959. Room 1033, GSA Bldg., Washington, D.C.; Departamento Nacional de Producao Mineral, Belo Horizonte, Brazil.
125. Waller, R. M., Summary of test-drilling results in Last Chance Basin, Juneau, Alaska: 21 p., 1 fig., July 13, 1959. Room 310, Denali Bldg., 308 B St., Anchorage, Alaska; Room 1242-G, GSA Bldg., Washington, D. C.
126. Wanek, A. A., Read, C. B., Robinson, G. D., Hays, W. H., and McCallum, Malcom, Geologic map and geologic sections of Philmont Ranch quadrangle, New Mexico: 1 map and sections. June 15, 1959. Room 1033, GSA Bldg., Washington, D.C.; Bldg. 25, Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 602, Thomas Bldg., Dallas, Tex.; Philmont Scout Ranch, Cimarron, N. Mex.
127. Wetterhall, W. S., Map of Hillsborough County, Florida, showing contours on the piezometric surface in the principal artesian aquifer: 1 map. Aug. 10, 1959. Room 1242-G, GSA Bldg., Washington, D. C.; Gunter Bldg., Corner Tennessee and Woodward Sts., Tallahassee, Fla.
128. Wilson, K. V., Mississippi floods of 1957: 28 p., 11 figs. Dec. 19, 1959. 402 High St., Jackson, Miss.; Room 2236 GSA Bldg., Washington, D. C.
129. Yost, I. D., Floods and flood control on the Colorado River at Austin, Tex.: 9 p., 3 figs. Feb. 20, 1959. 807 Brazos St., Austin, Tex.; 300 West Vickery St., Fort Worth, Tex.; Room 1013, Federal Bldg., Houston, Tex.; 1602 West Beauregard St., San Angelo, Tex.; Room 318-319 Federal Bldg., Wichita Falls, Tex.; Room 2236, GSA Bldg., Washington, D. C.
130. Young, L. L., Summary of the waterpower resources of the Pacific Northwest and Oregon's part of these resources: 10 p., 2 figs. Mar. 5, 1959. Room 1033, GSA Bldg., Washington, D.C.; Room 834, Interior Bldg., Portland, Oreg.
131. Young, L. L., Colbert, J. L., Piper, A. M., and Gaskill, D. L., Waterpower resources in the Nehalem River basin, Oregon, with geology of dam and reservoir sites: 125 p., 36 figs., 4 tables. Oct. 19, 1959. Room 1033, GSA Bldg., Washington, D.C.; Room 834, Interior Bldg., Portland, Oreg.; Room 232, Appraisers Bldg., San Francisco, Calif.
132. Zietz, Isidore, Patton, W. W., Jr., and Dempsey, W. J., Preliminary interpretation of total-intensity aeromagnetic profiles of the Koyukuk area, Alaska: 7 p., 8 figs. Nov. 12, 1959. Room 1033, GSA Bldg., Washington, D. C.; Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 1031, Bartlett Bldg., Los Angeles, Calif.; Room 232, Appraisers Bldg., San Francisco, Calif.; South 157 Howard St., Spokane, Wash.; Room 602, Thomas Bldg., Dallas, Tex.; Room 468, New Custom House, Denver, Colo.; Brooks Memorial Mines Bldg., College, Alaska; Room 204, Denali Bldg., Anchorage, Alaska; State Division of Mines and Minerals, Territorial Bldg., Juneau, Alaska.

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