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GEOLOGICAL SURVEY CIRCULAR 668

Reports and Maps of the Geological Survey Released Only in the Open Files, 1972

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By Betsy A. Weld, Kathleen T. Iseri, and Marvin L. Millgate

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INTRODUCTION

This circular contains a list of maps and reports released by the U.S. Geological Survey during 1972 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. 29), 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:

A Public Inquiries Office, Rm. 108, Skyline Bldg., 508 2d Ave., Anchorage, Alaska 99501.

Da Library, Bldg. 25, Federal Center, Denver, Colo. 80225.

Db Public Inquiries Office, Rm. 1012, Federal Bldg., 1961 Stout Street, Denver, Colo. 80202.

F Library, 801 East Cedar Ave., Flagstaff, Ariz. 86001.

LA Public Inquiries Office, Rm. 7638, Federal Bldg., 300 North Los Angeles St., Los Angeles, Calif. 90012.

M Library, 345 Middlefield Rd., Menlo Park, Calif. 94025.

S Public Inquiries Office, Rm. 678, U.S. Court House Bldg., West 920 Riverside Ave., Spokane, Wash. 99201.

SF Public Inquiries Office, Rm. 504, Custom House, 555 Battery St., San Francisco, Calif. 94111.

T Public Inquiries Office, Rm. 1C45, 1100 Commerce St., Dallas, Tex. 75202.

U Public Inquiries Office, Rm. 8102, Federal Office Bldg., 125 South State St., Salt Lake City, Utah 84111.

Wa Library, Rm. 1033, General Services Administration Bldg., 18th and F Sts., NW., Washington, D.C. 20244.

Wb Library, Rm. 132, George Washington Bldg., Arlington Towers, 1011 Arlington Blvd., Arlington, Va. 22209.

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	1960	448
1948	*64	1961	463
1949-50	*149	1962	473
1951	*227	1963	488
1952	*263	1964	498
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1955	*379	1967	548
1956	*401	1968	568
1957	*403	1969	618
1958	*412	1970	638
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MAPS AND REPORTS

1. Albee, H. F., Preliminary geologic map of the Observation Peak quadrangle, Teton and Lincoln Counties, Wyoming: (Wa, Da, Db, M, U.)

2. Albers, J. P., and Çapan, U. Z., Iron resources of Turkey: 12 p., 1 pl., 1 fig. (Wa, Da, M.)

3. Albers, J. P., and Kalifatçioğlu, Adnan, Bartin-Amasra earthquake, Turkey, September 3, 1968: 10 p., 8 figs. (Wa, Da, M.)

4. Alminas, H. V., and Mosier, E. L., A geochemical study of the Rio Pantanos area, Department of Antioquia, Colombia—preliminary report: 34 p., 5 pls., 14 figs., 1 table. (Wa, Da, M.)

5. Alpha, T. R., Physiographic diagrams for Ventura-Oxnard offshore [California]; Astoria Canyon and Fan [Oregon]; Newport [California]; northern Bering Sea [Alaska]; the Aleutian-Kamchatka convergence [Alaska]; Caribbean Arc—Hispaniola to Guadaloupe; Bahia de Campeche [Mexico]; British Honduras; and Venezuelan borderland: 9 sheets. (Wa, Da, LA, M, SF.)

6. Anderson, B. M., Lithium in surface and ground waters of the conterminous United States: 7 p., incl. 1 fig. (Wa, Da, M.)

7. Anderson, G. S., and Jones, S. H., Water resources of the Kenai-Soldotna area, Alaska: 129 p., 30 figs. (Wa, Wb, A, LA, M, S, SF.)

8. Anderson, Warren, Surface water in Duval and Nassau Counties, Florida: 64 p., 19 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304.)

9. Baker, A. A., Geologic map of NE. part of Spanish Fork Peak quadrangle, Utah: 1 sheet, scale 1:24,000. (Wa, Da, Db, M, U.)

10. Baker, E. T., Jr., and Rawson, Jack, Ground-water pollution in the vicinity of Toledo Bend Reservoir, Texas, progress report, 1972: 24 p., 1 fig. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)

11. Balding, G. O., and Page, R. W., data for wells in the Modesto-Merced area, San Joaquin Valley, California: 122 p., 3 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)

12. Barker, J. L., Effects of acid mine drainage on fish and macroinvertebrates of Babb Creek, Tioga County, Pennsylvania: 13 pls., 2 figs. (Wa, Wb; Federal Bldg., 228 Walnut St., Harrisburg, Pa. 17108.)

13. Barker, J. L., Effects of acid mine drainage on fish and macroinvertebrates of Loyalsock Creek near Lopez, Sullivan County, Pennsylvania: 13 p., 2 figs. (Wa, Wb; Federal Bldg., 228 Walnut St., Harrisburg, Pa. 17108.)

14. Barker, J. L., Effects of acid mine drainage on fish and macroinvertebrates of the Tioga River, Pennsylvania and New York: 17 p., 2 figs. (Wa, Wb; Federal Bldg., 228 Walnut St., Harrisburg, Pa. 17108.)

15. Barker, R. M., Natural land slopes in the Ellington quadrangle, Connecticut: 1 sheet, scale 1:24,000. (Wa; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)

16. Barnes, D. F., Notes on the processing and presentation of U.S. Geological Survey Alaskan gravity data: 25 p., 5 tables. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

17. Barnes, D. F., Sixteen 1:250,000 simple Bouguer gravity anomaly maps of southeastern Alaska showing station locations, anomaly values, and generalized 10-milligal contours: 16 sheets, scale 1:250,000. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801, Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

18. Barnes, D. F., Southeast Alaska gravity base station network: 40 p., 1 fig., 14 tables. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701, Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801, 323

East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

19. Barnes, D. F., Summary operational report of a preliminary gravity survey of southeastern Alaska: 12 p., 1 table. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

20. Barnes, D. F., Olson, R. C., Holden, K. D., Morin, R. L., and Erwin, M. J., Tabulated gravity data from southeastern Alaska obtained during the 1968 field season: 76 p. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

21. Barnes, D. F., Popenoe, Peter, Olson, R. C., MacKenzie, M. V., and Morin, R. L., Tabulated gravity data from southeastern Alaska obtained during the 1969 field season: 75 p. (Wa, Da, Db, A, La, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

22. Barosh, P. J., Geologic reconnaissance of the Uzunpinar iron mine and vicinity, Kayseri Province, Turkey: 18 p., 5 figs. (Wa, Da, M.)

23. Barosh, P. J., Geology of Area A, Çatak iron deposit, Eğrigöz Mountains, Kutahya Province, Turkey: 22 p., 4 figs., 1 table. (Wa, Da, M.)

24. Barosh, P. J., Geology of the Otlukilise iron mine, Sivas Province, Turkey: 25 p., 8 figs. (1 in text, 7 in pocket). (Wa, Da, M.)

25. Barosh, P. J., Sermin, Salim, Gençel, Ilker, Şengün, Metin, and Ekren, Frank, Geology of the Konakpinar-Sarica area, Sivas Province, Turkey: 58 p., 6 figs. (Wa, Da, M.)

26. Batson, R. M., Larson, K. B., Jordan, Raymond, Nakata, G. M., Wu, S. S. C., and Bridges, P. M., Apollo 11 landing site—location of EVA camera stations: 1 sheet. (Wa, Da, F, M.)

27. Batson, R. M., Larson, K. B., Reed, V. S., and Tyner, R. L., Apollo 12 landing site—EVA photographic station: 1 sheet. (Wa, Da, F, M.)

28. Batson, R. M., Larson, K. B., Reed, V. S., and Tyner, R. L., Preliminary catalog of pictures taken on the lunar surface during the Apollo 16 mission: 69 p., 4 figs., 5 tables. (Wa, Da, F, M.)

29. Bayley, R. W., Geologic field compilation map of the northern Black Hills, South Dakota: 1 sheet, scale 1:48,000. (Wa, Da, M; South Dakota School of Mines, Rapid City, S. Dak. 57701.)

30. Beall, R. M., and Lardieri, A. C., Status of flood-plain mapping, greater Pittsburgh region, Pennsylvania, 1972: 20 p., 1 fig. (Wa, Wb; Federal Bldg., 228 Walnut St., Harrisburg, Pa. 17108.)

31. Behrendt, J. C., and Bajwa, L. Y., Bouguer gravity map of Colorado: 1 sheet, scale 1:500,000. (Wa, Da, Db, M, U; Colorado Geol. Survey, 254 Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)

32. Behrendt, J. C., and Wotorson, C. S., Tectonic map of Liberia based on geophysical and geological surveys: 78 p., 6 pls., 18 figs. (Wa, Da, M.)

33. Bell, Henry, III and McElveen, A. J., Geochemical data from small streams in the Haile-Brewer area, South Carolina: 61 p., 1 sheet. (Wa; South Carolina Div. Geology, P.O. Box 927, Columbia, S. C. 22902.)

34. Bent, P. C., Influence of surface glacial deposits on streamflow characteristics: 37 p. (Wa, Wb; Rm. 700, Capitol Savings and Loan Bldg., 112 East Allegan St., Lansing, Mich. 48933.)

35. Bergquist, W. E., Lynch, L. E., and Brister, M. M., Office of International Geology reports resulting from U.S. Geological Survey participation in the United States technical assistance program: 47 p. (Wa, Da, M.)

36. Bettandorff, J. M., Selected characteristics of Mississippi streams: 33 p., 3 figs. (Wa, Wb; 430 Bounds St., Jackson, Miss. 39206.)

37. Blakey, J. F., Hawkinson, R. O., and Steele, T. D., An evaluation of water-quality records for Texas streams: 40 p., 12 figs. (Wa, Wb, T; Rm. 630, Federal Bldg. 300 East 8th St., Austin, Tex. 78701.)

38. Blodgett, J. C., Water temperatures of California streams, central coastal subregion: 80 p., 4 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)

39. Blodgett, J. C., Water temperatures of California streams, Delta-Central Sierra subregion: 49 p., 4 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)

40. Blodgett, J. C., and Pearce, V. F., Determination of floodflow of the Sacramento River at Butte City, California: 29 p., 12 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)

41. Bloyd, R. M., Jr., and Robson, S. G., Mathematical ground-water model of Indian Wells Valley, California: 35 p., 15 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)

42. Boggess, D. H., Controlled discharge from the W. P. Franklin Dam as a means of flushing saline water from the fresh-water reach of the Calossahatchee River, Lee County, Florida: 47 p., 11 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; Rm. 730, Federal Bldg., 51 Southwest 1st Ave., Miami, Fla. 33130.)

43. Boore, D. M., and Page, R. A., Accelerations near faults that have moved during moderate-sized earthquakes: 12 p., 1 fig. (Wa, Da, LA, M, SF.)

44. Boudette, E. L., Schafer, J. P., and Elston, D. P., Apollo 16 (Descartes) landing site road log: 17 p. (Wa, Da, F, M.)

45. Boudette, E. L., Schafer, J. P., and Elston, D. P., Engineering geology of the Apollo 16 (Descartes) traverse area: 1 sheet, scale 1:12,500. (Wa, Da, F, M.)

46. Bowers, W. E., Preliminary geologic map and coal resources of the Pine Lake quadrangle, Garfield County, Utah: 3 sheets—1:24,000-scale geologic map, 21 measured coal sections of the Straight Cliffs Formation showing distribution of coal beds, generalized columnar section. (Wa, Da, Db, M, U.)

47. Bridges, W. C., Effect of Port Orange bridge-causeway on flow of the Halifax River, Volusia County, Florida: 21 p., 5 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; Rm. 414, 1309 Thomasville Rd., Tallahassee, Fla. 32303.)

48. Brobst, D. A., Evaluation of the Um Gerad barite deposits near Rabigh, Kindom of Saudi Arabia: 7 p., 1 table. (Wa, Da, M.)

49. Brokaw, A. L., Geology and hydrology of the Carlsbad potash area, Eddy and Lea Counties, New Mexico: 71 p., 19 figs., 6 tables, 11 p. app. (Wa, Da, Db, M, S, T.)

50. Bromery, R. W., Davis, Minor, and Ahmad, Farrukh, Simple Bouguer gravity map of Connecticut: 1 sheet, scale 1:125,000. (Wa, Da, M; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)

51. Bromfield, C. S., Eaton, G. P., Peterson, D. L., and Ratté, J. C., Geological and geophysical investigations of an Apollo 9 photo anomaly near Point of Pines, Arizona: 19 p., 8 pls. (1 in 2 sheets), 4 tables (2 in pocket). (Wa, Da, Db, LA, F, SF, U, M; Arizona Bur. Mines, Univ. Arizona, Tucson, Ariz. 85721.)

52. Brown, G. F., Tectonic map of the Arabian Peninsula: 1 sheet, scale 1:4,000,000. (Wa, Da, M.)

53. Brug, O. Van der, Water resources data for the Trust Territory of the Pacific Islands, 1968-70, surface-water records: 92 p., 7 figs. (Wa, Wb, LA, M, SF; Rm. 330, First Insurance Bldg., 1100 Ward Ave., Honolulu, Hawaii 96814.)

54. Buchanan, T. J., and Hartwell, J. H., Analysis for water-level data for Everglades National Park, Florida: 21 p., 12 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304.)

55. Buckner, H. D., Annual compilation and analysis of hydrologic data for Mountain Creek, Trinity River basin, Texas, 1972: 9 p., 1 fig. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th Ave., Austin, Tex. 78701.)

56. Bull, W. B., Land subsidence due to ground-water withdrawal in the Los Banos—Kettleman City area, California; Part 2, Subsidence and compaction of deposits: 261 p., 73 figs. (Wa, Wb, LA, M, SF; Rm. W-2528, Federal Bldg., 2800 Cottage Way, Sacramento, Calif. 95825.)

57. Bull, W. B., and Miller R. E., Land subsidence due to ground-water withdrawal in the Los Banos-Kettleman City area, California; Part 1, Changes in the hydrologic environment conducive to subsidence: 164 p., 47 figs. (Wa, Wb, LA, M, SF; Rm. W-2528, Federal Bldg.,

2800 Cottage Way, Sacramento, Calif. 95825.)

58. Burge, W. G., and Brown, W. L., A study of water fowl habitats in North Dakota using remote sensing techniques, a final report: 69 p., incl. 19 figs. (Wa, Da, F, M.)

59. Bush, P. W., Salt-water movement in the lower Withlacoochee River-Cross-Florida Barge Canal complex: 44 p., 7 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; Rm. 244, Federal Bldg., 207 Northwest 2d St., Ocala, Fla. 32670.)

60. Cameron, C. C., A preliminary study of peat resources in eastern Maine: 25 p., incl. 2 text figs., 7 tables. (Wa; Maine Geol. Survey, Rm. 211, State Office Bldg., Augusta, Maine 04330.)

61. Carmalt, S. W., and Tibbitts, G. C., Jr., Water levels and artesian pressures in the Chad basin of northeastern Nigeria, 1963-68: 73 p., 5 figs. (Wa, Wb.)

62. Carr, M. H., Preliminary geologic map, Littrow region of the moon: 1 p., 1 pl., scale 1:250,000. (Wa, Da, F, M.)

63. Carrigan, P. H., Jr., Probability of exceeding capacity of flood control system at the National Reactor Testing Station, Idaho: 106 p., 10 figs., (Wa, Wb.)

64. Carter, R. D., and Adkison, W. L., Correlation of subsurface Tertiary rocks, Cook Inlet basin, Alaska: 8 p., 2 large correlation charts. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

65. Chaffee, M. A., The distribution of selected trace elements in soils, Eureka mining district and Pinto Summit quadrangle, Nevada: 17 p. (incl. 14 p. tables), 2 pls. (Wa, Da, Db, LA, M, SF, U; Library, Mackay School of Mines, Univ. Nevada, Reno, Nev. 89507.)

66. Chaffee, M. A., Botbol, J. M., and Hamilton, J. C., The distribution of selected elements in stream sediments, central Maine: 11 p., 29 maps, 2 tables. (Wa, Da, M; 80 Broad St., Boston, Mass. 02110; Maine Geol. Survey, Rm. 211, State Office Bldg., Augusta, Maine 04330.)

67. Chapman, R. M., and Weber, F. R., Geochemical analyses of bedrock and stream sediment samples from the Livengood quadrangle, Alaska: 2 large sheets, scale 1:250,000. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701, Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504, University Ave., College, Alaska 99701.)

68. Chute, N. E., Cheshire glass sand deposits in the Cheshire area, Massachusetts: 11 p. (Wa; 80 Broad St., Boston, Mass. 02110; Massachusetts Dept. Public Works, Research and Materials Div., 99 Worcester St., Wellesley, Mass. 02181.)

69. Clark, A. L., Berg, H. C., Cobb, E. H., Eberlein, G. D., MacKevett, E. M., Jr., and Miller, T. P., Metal provinces of Alaska: 3 p., 3 sheets, scale 1:250,000. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701, Rm. 441, Federal Bldg., Juneau, Alaska 99801, Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

70. Clark, S. H. B., The Wolverine complex, a newly discovered layered ultramafic body in the western Chugach Mountains, Alaska: 10 p., 3 figs., 1 table. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

71. Cobb, E. H., Placer deposits of Alaska: 132 p., 1 pl., 55 text figs. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701, Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. and Geophys. Surveys: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504, University Ave., College, Alaska 99701.)

72. Collings, M. R., Data on selected lakes in Washington, Part 1: 190 p., 68 figs. (Wa, Wb, LA, M, S, SF; Rm. 300, 1305 Tacoma Ave., South, Tacoma, Wash. 98402.)

73. Collings, M. R., Smith, R. W., and Higgins, G. T., Hydrology of four streams in western Washington as related to several Pacific salmon species; Part II, Humptulips, Elochoman, Gereen, and Wynoochee Rivers:

121 p., 65 figs. (Wa, Wb, LA, M, S, SF; Rm. 300, 1305 Tacoma Ave., South, Tacoma, Wash. 98402.)

74. Colton, R. B., Bedrock outcrops and areas of thin drift—areas underlain by sedimentary rocks and areas underlain by igneous and metamorphic rocks also shown—Ellington quadrangle, Connecticut: 1 sheet, scale 1:24,000. (Wa; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)

75. Colton, R. B., Map showing glacial striations and long axes of streamline hills, Connecticut: 1 sheet, scale 1:125,000. (Wa; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)

76. Colton, R. B., Materials map of the Ellington quadrangle, Connecticut: 1 sheet, scale 1:24,000. (Wa; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)

77. Cordell, Lindrith, Complete Bouguer anomaly gravity map of the Jemez area, New Mexico: 1 sheet, scale 1:250,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)

78. Cosner, O. J., Water in St. John, U.S. Virgin Islands: 126 p., 18 figs. (Wa, Wb; Bldg. 652, Ft. Buchanan, Puerto Rico 00934.)

79. Cosner, O. J., and Brown, G. A., Potentiometric surface of the Lower Cretaceous aquifer, Franklin area, Virginia, September 1970: 1 sheet. (Wa, Wb; Rm. 304, 200 West Grace St., Richmond, Va. 23220.)

80. Crist, M. A., and Borchert, W. B., The ground-water system in southeastern Laramie County, Wyoming: 51 p., 8 figs. (Wa, Wb, Db, U; 215 East 8th Ave., Cheyenne, Wyo. 82001.)

81. Davis, W. E., Geophysical investigations by the U.S. Geological Survey in Saudi Arabia, October 1966 to September 1967: 9 p., 1 table. (Wa, Da, M.)

82. Davis, W. E., and Allen, R. V., Geophysical exploration in the Jabal Samran area, Saudi Arabia: 9 p., 7 figs. (Wa, Da, M.)

83. Davis, W. E., and Allen, R. V., Magnetometer survey of the Methgal iron deposit, Saudi Arabia: 2 p., 2 figs. (Wa, Da, M.)

84. Davis, W. E., Allen, R. V., and Akhrass, M. N., Geophysical exploration in Mahad adh Dhahab district, Saudi Arabia: 4 p., 2 figs. (Wa, Da, M.)

85. Delaney, D. F., and Cotton, J. E., Evaluation of proposed ground-water withdrawal, Cape Cod National Seashore, North Truro, Massachusetts: 76 p., 10 figs. (Wa, Wb; Rm. 2300, J. F. Kennedy Federal Bldg., Boston, Mass. 02203.)

86. Dempster, G. R., Jr., and Massey, F. C., Annual compilation and analysis of hydrologic data for urban studies in the Dallas, Texas, metropolitan area, 1969: 136 p., 4 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)

87. Dence, M. R., Boudette, E. L., and Lucchitta, Ivo, Guide to the geology of Sudbury Basin, Ontario, Canada (Apollo 17 training exercise, May 23-25, 1972): 41 p., 10 figs., 1 table. (Wa, Da, F, M; Dept. Gravity Div., Earth Physics Branch, Dept. Energy, Mines, and Resources, 588 Booth St., Ottawa, Ontario KIA OE4, Canada.)

88. Denson, N. M., and Horn, G. H., Geologic map of Tertiary and uppermost Cretaceous rocks showing structure contours, oil and gas fields, dry holes, and mines in the southern part of Powder River Basin, Converse, Niobrara, and Natrona Counties, Wyoming: 2 sheets (1 map, scale 1:126,720; 1 table of heavy mineral analyses). (Wa, Da, Db, M, U; Geol. Survey Wyoming, Univ. Wyoming, Laramie, Wyo. 82070.)

89. Dibblee, T. W., Jr., Geologic maps of fourteen 15-minute quadrangles along the San Andreas fault in the vicinity of Paso Robles and Cholame southeastward to Maricopa and Cuyama, California: 13 sheets and index map, scale 1:62,500. (Wa, Da, LA, M, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; Resources Bldg., 1416 9th St., Sacramento, Calif. 95814; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)

90. Dibblee, T. W., Jr., Preliminary geologic map of the Lick Observatory quadrangle, Santa Clara County, California: 1 sheet, scale 1:24,000. (Wa, Da, LA, M, SF; Library, California Div. Mines and Geology, Ferry Bldg., San

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