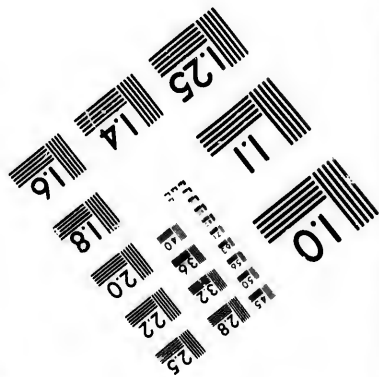
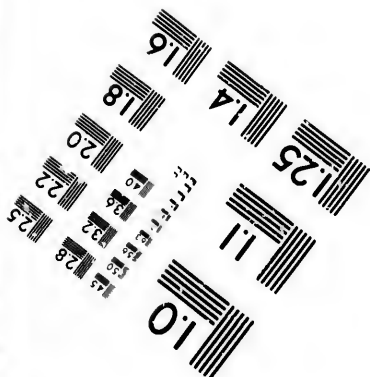
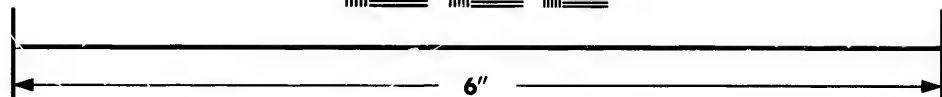
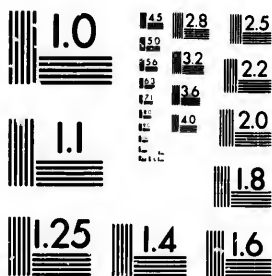


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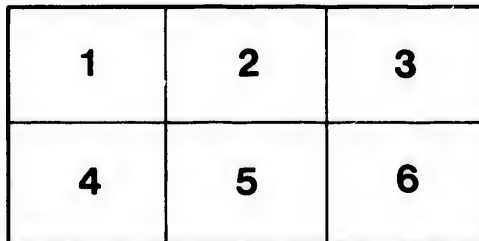
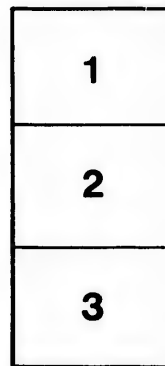
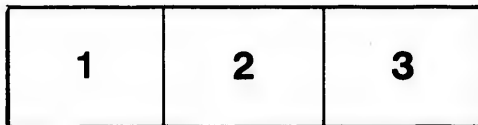
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BY

FREDERICK PRIME, JR.,

ASSISTANT GEOLOGIST OF PENNSYLVANIA.

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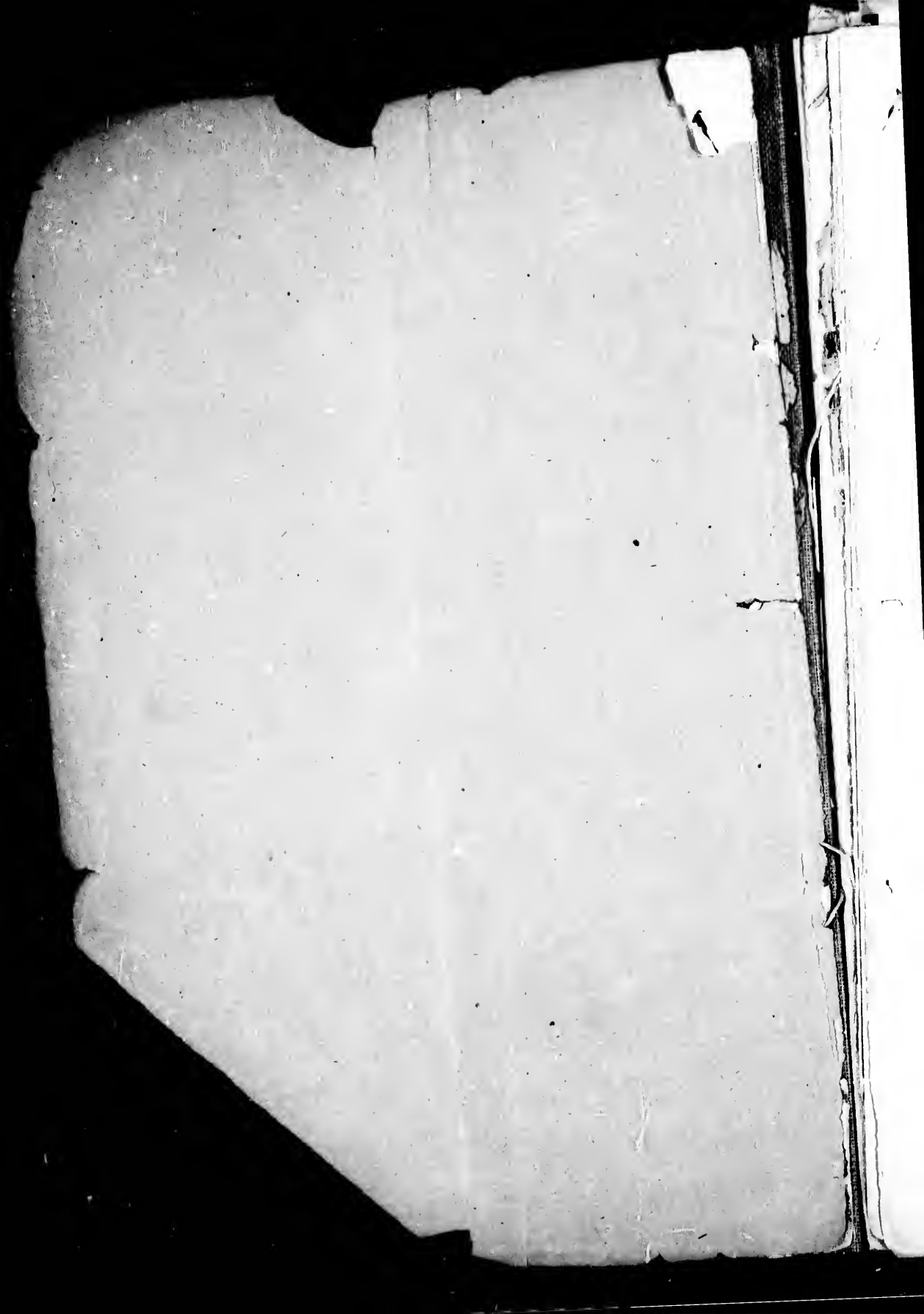
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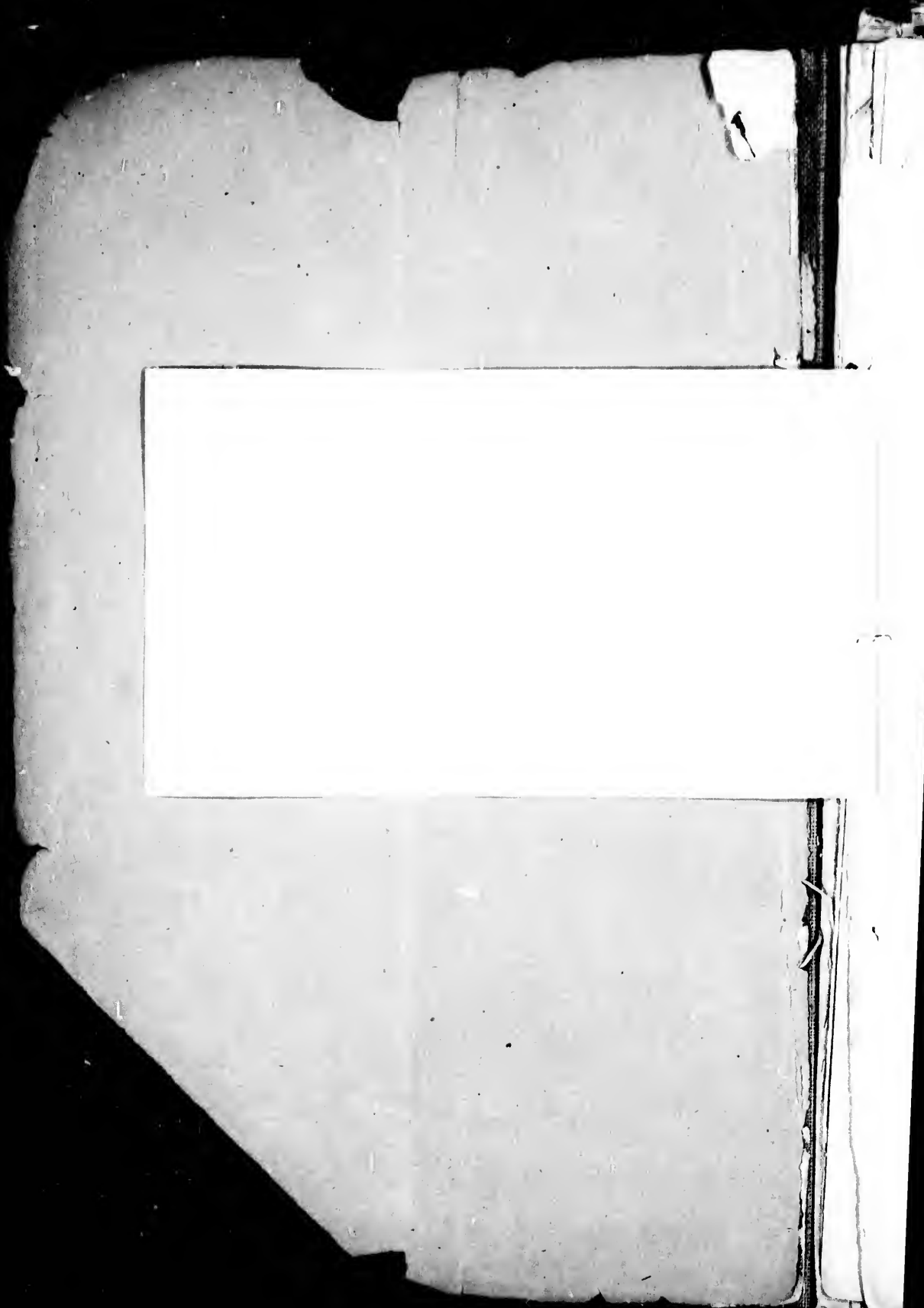
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A CATALOGUE OF OFFICIAL REPORTS UPON
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BY FREDERICK PRIME, JR., ASSISTANT GEOLOGIST OF PENNSYLVANIA.

THE first catalogue of Geological Reports of the United States was prepared by Prof. O. C. Marsh, and published in the *American Journal of Science and Arts* for 1867, vol. xliii, second series.

Since then the list has more than doubled, and it was thought that the publication of a new catalogue, brought down to date, would be useful to many of the members of the Institute of Mining Engineers. The compiler will be most thankful to have any omissions or inaccuracies in the list sent to him, to be published as a supplement in the next volume of the *Transactions*. Especially to have the correct title, number of pages, plates, and maps of any volume on the list to which an * is prefixed, as he has been unable to personally consult such works.

A preliminary list was issued last February, which has been almost doubled by the kindness of many friends. The writer desires more especially to express the obligations he is under to the following gentlemen: The Chief of Engineers, U. S. A.; Principal Dawson, Mr. G. M. Dawson, Drs. B. J. Harrington and T. Sterry Hunt, of Montreal; Mr. H. Engelmann, of La Salle, Ill.; Dr. F. V. Hayden and Prof. J. W. Powell, U. S. Department of the Interior; Prof. E. W. Hilgard, University of California; Prof. Henry Y. Hind, Windsor, N. S.; Prof. C. H. Hitchcock, of Dartmouth College; Mr. Henry A. Holmes, State Librarian, Albany; Maj. Jed. Hotchkiss, Staunton, Va.; Prof. W. C. Kerr, Raleigh, N. C.; Dr. J. S. Newberry, of Columbia College; Prof. W. H. Pettee, of the University of Michigan; Dr. Samuel H. Scudder, Prof. N. S. Shaler, and Prof. J. D. Whitney, of Harvard College; Mr. Sanderson Smith and Prof. J. J. Stevenson, of New York; Mr. Addison Van Name, of Yale College, and Lieut. Geo. M. Wheeler, U. S. Engineers.

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- *M. Tuomey, 1853. Geological Map of Alabama.
- Second Biennial Report on the Geology of Alabama; by M. Tuomey, Geologist to the State; edited by J. W. Mallet. Montgomery, 1858. 8vo., xix, and 292 pp., and plate.
- Geological Survey of Alabama. Report of Progress for 1874; by Eugene A. Smith, State Geologist. Montgomery, 1875. 8vo., 139 pp.
- Geological Survey of Alabama. Report of Progress for 1875; by Eugene A. Smith, State Geologist. Montgomery, 1876. 8vo., 220 pp.
- Geological Survey of Alabama. Report of Progress for 1876; by Eugene A. Smith, State Geologist. Montgomery, 1876. 8vo., 100 pp., and map.

ALASKA.

- Report of the Superintendent of the United States Coast Survey for 1867. Washington, 1868. 4to. Contains, pp. 187-329. Report of George Davidson relative to the Resources and the Coast Features of Alaska Territory. Including Reports on Geology, by Theo. A. Blake; on Zoology, by W. G. W. Harford; and on Botany, by Albert Kellogg.
- Geographical Notes upon Russian America and the Stickeen River; by William P. Blake. Washington, 1868. 8vo., 19 pp., and map.

ARKANSAS.

- Geological Report of an Examination made in 1834 of the Elevated Country between the Missouri and Red Rivers; by G. W. Featherstonhaugh, U. S. Geologist. Washington, 1835. 12mo., 97 pp. and section.
- First Report of a Geological Reconnoissance of the Northern Counties of Arkansas, made during the years 1857 and 1858; by David Dale Owen, Principal Geologist. Little Rock, 1858. 8vo., 256 pp., and 7 plates.
- Second Report of a Geological Reconnoissance of the Middle and Southern Counties of Arkansas, made during the years 1859 and 1860; by David Dale Owen, Principal Geologist. Philadelphia, 1860. 8vo., 433 pp., 14 plates and map.

BRITISH AMERICA.

- Henry Y. Hind. Report on the Explorations of the Country between Lake Superior and the Red River Settlement. Toronto, 1858. 8vo., 425 pp., and map. φ
- S. J. Dawson. Report on the Exploration of the Country between Lake Superior and the Red River Settlement, and between the latter place and the Assiniboine and Saskatchewan. Toronto, 1859. 4to., 45 pp., and 3 maps.
- *Henry Y. Hind. Report on the Assiniboine Expedition in 1858-9. Toronto, 1860. Folio, — pp., maps.
- Report of Progress, together with a Preliminary and General Report on the Assiniboine and Saskatchewan Exploring Expedition. Made under instructions from the Provincial Secretary, Canada; by Henry Youle Hind. London, 1860. Folio, 219 pp., 7 maps, and 2 plates. [Blue Book.]
- *Papers relative to the Exploration of British America; by Captain Palliser. [Blue Book.] London, 1859.—Maps, etc.
- Report on the Exploration of British America; by Captain Palliser. Including Geological Report, by Dr. James Hector. 1857-60. [Blue Book.] London, 1863. 8vo., 325 pp.,—maps, plates, and sections.
- Report of the U. S. Coast Survey for 1860. Appendix, No. 42. Notes on the Geology of the Coast of Labrador; by Oscar M. Lieber. pp. 402-408, and map.
- British North American Boundary Commission. Report on the Geology and Resources of the Region in the Vicinity of the Forty-ninth Parallel, from the Lake of the Woods to the Rocky Mountains; with Lists of Plants and Animals collected and Notes on the Fossils; by George Mercer Dawson, Geologist and Botanist to the British North American Boundary Commission. Montreal, 1875. Roy. 8vo., xi and 387 pp., 2 maps, section, and 18 plates. φ
- British North American Boundary Commission. Geological Report of Progress for the year 1873 (in part). Report on the Tertiary Lignite Formation in the Vicinity of the Forty-ninth Parallel; by George M. Dawson. Montreal, 1874. 8vo., 31 pp., and 2 plates. φ

CALIFORNIA.

- ✓ Geographical Memoir upon Upper California in Illustration of his Map of Oregon and California; by John Charles Fremont. Washington, 1848. 8vo., 67 pp.
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- ✓ Geology and Industrial Resources of California; by Philip T. Tyson. Baltimore, 1851. 8vo., xxxiv, 127, and 37 pp., 9 sections and 4 maps.
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- ✓ * William P. Blake. Report to the War Department. Washington, 1854, 8vo., 80 pp.
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- ✓ The Geological Survey of California, an Address delivered before the Legislature of California, at Sacramento, Tuesday evening, March 12th, 1861; by J. D. Whitney, State Geologist. San Francisco, 1861. 8vo., 50 pp.
- ✓ Letter of the State Geologist relative to the Progress of the State Geological Survey. San Francisco, 1862. 8vo., 7 pp. [J. D. Whitney.]
- ✓ Lecture on Geology, delivered before the Legislature of California, at San Francisco, Thursday evening, February 27th, 1862; by J. D. Whitney, State Geologist. San Francisco, 1862. 8vo., 33 pp.
- ✓ Annual Report of the State Geologist of California for the year 1862. San Francisco, 1863. 8vo., 12 pp. [J. D. Whitney.]
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- ✓ Lecture on Geology, delivered before the Legislature of California, at Sacramento, Tuesday evening, March 19th, 1863; by J. D. Whitney, State Geologist. Sacramento, 1863. 8vo., 17 pp.

- Letter of the State Geologist relative to the Progress of the State Geological Survey during the years 1864-65 (erroneously printed 1863-64). Sacramento, 1866. 8vo., 14 pp. [J. D. Whitney.] ✓
- Letter of the State Geologist relative to the Progress of the State Geological Survey, during the years 1866-67. Sacramento, 1867. 8vo., 15 pp. [J. D. Whitney.] 2
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- Letter of the State Geologist, relative to the Progress of the Survey during the years 1870-71. Sacramento, 1871. 8vo., 13 pp. [J. D. Whitney.] /
- Statement of the Progress of the State Geological Survey of California, during the years 1872-3. ———, 1873, 8vo., 14 pp. [J. D. Whitney.] ✓
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- Geological Survey of California, J. D. Whitney, Director. Palæontology, Vol. I. Carboniferous and Jurassic Fossils; by F. B. Meek. Triassic and Cretaceous Fossils; by W. M. Gabb. Philadelphia, 1864. 4to., xx and 243 pp., and 32 plates.
- Geological Survey of California, J. D. Whitney, Director. Palæontology, Vol. II. Cretaceous and Tertiary Fossils; by W. M. Gabb. Philadelphia, 1869. 4to., xiv and 299 pp., and 36 plates.
- Geological Survey of California, J. D. Whitney, Director. Ornithology, Vol. I. Land Birds, edited by S. F. Baird, from the MSS. and notes of J. G. Cooper. Cambridge, 1870. 4to., xi and 592 pp.
- Mining Statistics, No. 1. Tabular Statement of the Condition of the Auriferous Quartz Mines in that part of Mariposa and Tuolumne Counties, lying between the Merced and Stanislaus Rivers, Aug. to Nov. 1865; by A. Rémond. 4to., 16 pp.
- The Yosemite Guide Book. A Description of the Yosemite Valley and the adjacent Region of the Sierra Nevada, and of the Big

- Trees of California. New York, 1868. Roy. 8vo., 116 pp., 28 plates, and 2 maps. [J. D. Whitney.]
- The Yosemite Guide Book. Cambridge, 1869. 16mo., 155 pp., 2 maps. [J. D. Whitney.]
- [Second Edition. 12mo., 186 pp., and 4 maps. Cambridge, 1874.]
- Geological Survey of California, J. D. Whitney, State Geologist. Contributions to Barometric Hypsometry, with Tables for use in California. Cambridge, 1874. Roy. 8vo., 88 pp.
- ✓ Supplementary Chapter and Practical Application of the Tables to the Observations of the years 1870-71, and a Discussion of the Results obtained; by J. D. Whitney. Cambridge, 1878. 4to., 24 pages.
- Geographical Catalogue of the Mollusca found west of the Rocky Mountains, between latitudes 33° and 49° N.; by J. G. Cooper. San Francisco, 1867. 4to., 40 pp.
- ✓ Catalogue of the Invertebrate Fossils of the Western Slope of the United States. Part 2. By J. G. Cooper. San Francisco, 1871. 12mo., v and 1 pp., 4-30 ff.
- ✓ Geological Survey of California, J. D. Whitney, Director. Botany. Vol. 1. Polypetalae; by W. H. Brewer and Sereno Watson. Ganopetalae; by Asa Gray. Cambridge, 1876. 4to., xx and 628 pp.
- ✓ Map of the region adjacent to the Bay of San Francisco, in portfolio. New York, 1873. 2 miles = 1 inch.
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- [Second Edition; revised by Hoffman and Craven. New York, 1874.]
- ✓ *Report of the Joint Committee on the Geological Survey of the State. [Made to the Legislature in 1874.]

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- *William E. Logan. Report of Progress for 1842 and 1843. Montreal, 1845. 8vo., 159 pp., and 3 plates.
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- *William E. Logan. Report of Progress for 1847. Montreal, 1849. 8vo., 165 pp.
- Report of a Geological Exploration of part of the North Shore of Lake Huron, made by W. E. Logan in 1848. Montreal, 1849. 8vo., 51 pp. X0
- Geological Survey of Canada. Report of Progress for 1848-49. Toronto, 1850. 8vo., 65 pp. [W. E. Logan.]
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- Geological Survey of Canada. Report of Progress for the years 1853-54-55-56. Toronto, 1857. 8vo., iv and 494 pp., 4 maps. [W. E. Logan.] 70
- Plans of various Lakes and Rivers between Lake Huron and the River Ottawa, to accompany the Geological Reports for 1853-54-55-56. Toronto, 1857. 4to., 22 maps. [W. E. Logan.]
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- Geological Survey of Canada, Sir W. E. Logan, Director. Summary Report of Progress in Geological Investigations. Dated 1st May, 1869. Ottawa, 1869. 8vo., 9 pp.
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- Geological Survey of Canada, Sir W. E. Logan, Director. Figures and Descriptions of Canadian Organic Remains. Decade II.

- Graptolites of the Quebec Group; by James Hall. Montreal, 1865. 8vo., 150 pp., 23 plates.
- Geological Survey of Canada, Sir W. E. Logan, Director. Figures and Descriptions of Canadian Organic Remains. Decade III. Montreal, 1858. 8vo., vii and 102 pp., and 12 plates. [J. W. Salter, E. Billings, and R. Jones.]
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- X First Report on the Geological Survey of the Province of New Brunswick; by Abraham Gesner. St. John, 1839. 8vo., 82 pp. X
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† Since 1867 the Surveys of this Province have been included in the Geological Survey of Canada.

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- Contributions to Paleontology. Continuation of Appendix C. Description of New Species of Fossils from the Upper Helderberg, Hamilton, and Chemung Groups. Continued from p. 109 of the Fourteenth Annual Report of the Regents of the University on the State Cabinet. Albany, 1861. 8vo., 170 pp.
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- Twenty-ninth Annual Report on the New York State Museum of Natural History, by the Regents of the University. Albany, 1878. Svo., 82 pp., and 2 plates.
- Report on a Topographical Survey of the Adirondack Wilderness of New York; by Verplanck Colvin. Albany, 1873. Svo., 43 pp., plate, and 2 maps.
- State of New York. Report on the Topographical Survey of the Adirondack Wilderness of New York; by Verplanck Colvin. Albany, 1874. Svo., 306 pp., 10 plates, and 10 maps.

NORTH CAROLINA.

- Report on the Geology of North Carolina, conducted under the direction of the Board of Agriculture. Part I. By Denison Olmstead. November, 1824. 12 mo., 44 pp.
- Report on the Geology of North Carolina, under the direction of the Board of Agriculture. Part II. By Denison Olmstead. November, 1825. 12 mo., 58 pp.
- *C. E. Rothe. Report on Mineralogy.
- *Dr. Mitchell. Report. 1826.
- *Dr. Mitchell. Report. 1827.
- Report of Professor Emmons on his Geological Survey of North Carolina. Raleigh, 1852. 12 mo., 181 pp.
- Report of the Progress and Present State of the Geological and Agricultural Survey of North Carolina; by E. Emmons. Raleigh, 1855. 12 mo., 20 pp.
- Geological Report of the Midland Counties of North Carolina; by Ebenezer Emmons. New York and Raleigh, 1856. Svo., xx, and 351 pp., 9 plates and 8 maps and sections.
- Report of the North Carolina Geological Survey. Agriculture of the Eastern Counties, together with Descriptions of the Fossils of the Marl Beds. By Ebenezer Emmons. Raleigh, 1858. Svo., xvi, and 314 pp.
- National Foundry—Deep River, N. C. Special Report of Dr. E. Emmons, Geologist to the State of North Carolina, concerning the advantages of the Valley of the Deep River as a site for the establishment of a national foundry. Raleigh, 1857. Svo., 14 pp.
- Agriculture of North Carolina. Part II. Containing a Statement of the Principles of the Science upon which the Practice of Agri-

- culture as an Art is founded; by Ebenezer Emmons, State Geologist. Raleigh, 1860. 8vo., 112 pp.
- Geological and Natural History Survey of North Carolina. Part III., Botany; containing a Catalogue of the Plants of the State, with Descriptions and History of the Trees, Shrubs, and Woody Vines; by M. A. Curtis. Raleigh, 1860. 8vo., 124 pp. [Reprinted, 1867. 8vo., 158 pp.]
- The Swamp Lands of North Carolina; by Ebenezer Emmons, State Geologist. Raleigh, 1860. 8vo., 95 pp.
- Report of Progress of the Geological Survey of North Carolina; by W. C. Kerr. Raleigh, 1868. 8vo., 57 pp.
- Report of the State Geologist. Raleigh, 1869. 8vo., 57 pp. [W. C. Kerr.]
- Mineral Resources of North Carolina; by Frederiek A. Genth. Read before the Franklin Institute, Nov. and Dec., 1871. Philadelphia, 1871. 8vo., 31 pp. [Published by the Geological Survey of North Carolina.]
- W. C. Kerr. Appendix to the Report of the Geological Survey of North Carolina, 1873, being a brief abstract of that report, and a general description of the State, geographical, geological, climatic, and agricultural. Raleigh, 1873. 8vo., 24 pp. and map.
- Report of the Geological Survey of North Carolina. Vol. I. Physical Geography, Ré-sumé, Economical Geology; by W. C. Kerr. Raleigh, 1875. 8vo., xviii, 316 and 120 pp., 9 plates and map.
- XLIVth Congress. Senate Ex. Doc., No. 35. Letter from the Acting Sec'y of War, transmitting a Report of S. T. Abert on the Survey of a line to connect the Waters of the Cape Fear and Neuse Rivers, and for a connection between Norfolk Harbor and Cape Fear River. Washington, 1876. 8vo., 57 pp., and 4 maps. (Contains geology of the country surveyed.)
- Physiographical Description of North Carolina. 1879. By W. C. Kerr, State Geologist. Raleigh, 1879. 8vo., 28 pp., and map.

NOVA SCOTIA.†

- *J. W. Dawson. Report on the Coal Fields of Caribou Cove, etc. Halifax, 1846. Folio, 10 pp. (Legislative Doc.)
- *Joseph Howe and Henry How. Report on Discovery of Gold in Nova Scotia. Halifax, 1860. Folio, 4 pp. (Legislative Doc.)

† Since 1867 the Surveys of Nova Scotia have been included in the Geological Reports of Canada.

- *J. Howe. Report on Gold-Fields. Halifax, 1861. Folio, 7 pp. (Legislative Doc.)
- *Henry Poole. Report on Gold-Fields, Western Section. Halifax, 1862. Folio, 25 pp. (Legislative Doc.)
- *J. Campbell. Report on Gold-Fields, Eastern Section. Halifax, 1862. Folio, 8 pp. (Legislative Doc.)
- *J. Campbell. Report on Gold-Fields. Halifax, 1863. Folio, 12 pp. (Legislative Doc.)
- *David Honeyman. Report on Geological Survey of Nova Scotia and Cape Breton. Halifax, 1864. Folio, 7 pp. (Legislative Doc.)
- *H. How. Report on Minerals collected by D. Honeyman. Halifax, 1865. Folio, 4 pp. (Legislative Doc.)
- The Gold Region of Nova Scotia. Report of T. Sterry Hunt, addressed to Sir W. E. Logan. Ottawa, 1868. 8vo., 48 pp.
- The Mineralogy of Nova Scotia, a Report to the Provincial Government; by Henry How. Halifax, 1869. 8vo., vi and 217 pp.
- Report on the Waverly Gold District, with Geological Maps and Sections; by Henry Youle Hind. Halifax, 1869. 8vo., 62 pp., and map.
- Report on the Sherbrooke Gold District, together with a Paper on the Gneisses of Nova Scotia, and an Abstract of a Paper on Gold Mining in Nova Scotia; by Henry Youle Hind. Halifax, 1870. 8vo., 79 pp., and 4 maps.
- *Preliminary Report on the Gneissoid Series of Nova Scotia; by H. Y. Hind. Halifax, 1870. 8vo., 15 pp.
- The Coal Fields of Nova Scotia; by John Rutherford, Inspector of Mines. Reprinted from Trans. North of England Inst. of Mining Engineers. Newcastle-upon-Tyne, 1871. 8vo., 58 pp., and 4 maps. [Distributed by the Government, hence *quasi* official.]
- Report on the Mount Uniacke, Oldham, and Renfrew Gold Mining District, with Plans and Sections; by Henry Youle Hind. Halifax, 1872. 8vo., 136 pp., 3 maps and sections.
- Report on a Topographical Survey of Part of the Cumberland Coal Field, with Notices of the Coal Seams and their Relation to the Iron Deposits of the Cobequids; by Henry Youle Hind. Halifax, 1873. 8vo., 68 pp.

OHIO.

- Report of the Select Committee appointed on so much of the Governor's Message as relates to a Mineralogical and Geological Survey of the State of Ohio. Columbus, n. d. 8vo., 18 pp.

- Report of the Special Committee appointed by the last Legislature, to Report on the best Method of obtaining a complete Geological Survey of the State of Ohio. Columbus, 1836. 12mo., 18 pp., 2 plates.
- Report of John L. Riddell, one of the Special Committee appointed by the last Legislature to report on the Method of obtaining a Complete Geological Survey of this State. Columbus, 1837. 8vo., 34 pp.
- Report from the Geological Board in reply to a Resolution of the House of Representatives. House, March 16th, 1838. 8vo., 6 pp. [W. W. Mather.]
- First Annual Report on the Geological Survey of the State of Ohio; By W. W. Mather. Columbus, 1838. 8vo., 134 pp., and plate.
- Second Annual Report on the Geological Survey of the State of Ohio; by W. W. Mather. Columbus, 1838. 8vo., 286 pp., 7 plates, 7 sections and map.
- ✓ The Geological Survey of Ohio, its Progress in 1869. Report of an Address delivered to the Legislature of Ohio, Feb. 7th, 1870; by J. S. Newberry, Chief Geologist. New York, 1870. 8vo., 60 pp.
- Geological Survey of Ohio. Part I, Report of Progress in 1869; by J. S. Newberry, Chief Geologist. Part II, Report of Progress in the Second District; by E. B. Andrews, Asst. Geologist. Part III, Report on Geology of Montgomery County; by Edward Orton, Asst. Geologist. Columbus, 1870. 8vo., 164 pp., 4 sections, and 2 maps.
- Geological Survey of Ohio. Report of Progress in 1870; by J. S. Newberry, Chief Geologist. Including Reports by E. B. Andrews, Edward Orton, J. H. Klippart, T. G. Wormley, G. K. Gilbert, M. C. Read, Henry Newton, and W. B. Potter. Columbus, 1871. 8vo., 568 pp., 2 plates, and 5 sheets of sections.
- Report of Progress for 1871; by J. S. Newberry, Chief Geologist. Columbus, 1872. 8vo., 12 pp.
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. I, Geology and Paleontology. Part I, Geology. Columbus, 1873. 8vo., vi, and 680 pp., 18 maps and sections, and 5 sheets of sections. [Includes Reports by J. S. Newberry, E. B. Andrews, Edward Orton, M. C. Read, G. K. Gilbert, N. H. Winchell.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. I, Geology and Paleontology. Part II, Paleon-

- tology. Columbus, 1873. Roy. 8vo., xiii, and 399 pp., 49 plates, and 3 diagrams. [Reports by J. S. Newberry and F. B. Meek.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. II, Geology and Palæontology. Part I, Geology. Columbus, 1874. 8vo., xv, 701 pp., 24 sections, and map, plate, and 8 sheets of sections. [Includes Reports by J. S. Newberry, N. H. Winchell, E. B. Andrews, Edward Orton.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. II, Geology and Palæontology. Part II, Palæontology. Columbus, 1875. Roy. 8vo., viii, and 435 pp., 59 plates, and 2 sheets. [Includes Reports by J. S. Newberry, James Hall, R. P. Whitfield, H. Alleyne Nicholson, F. B. Meek, E. D. Cope, E. B. Andrews.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. III., Geology and Palæontology. Part I, Geology. Columbus, 1878. 8vo., viii and 958 pp., 10 maps and 13 sections. [Includes Reports by J. S. Newberry, E. B. Andrews, J. J. Stevenson, M. C. Read, A. W. Wheat, Edward Orton, John Hussey, F. C. Hill, A. C. Lindemuth, J. T. Hodge, H. Herzer.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. IV, Zoology and Botany. Columbus, 1879. 8vo., 900 pp., and plate. [Includes Reports by J. S. Newberry, A. W. Brayton, J. M. Wheaton, D. S. Jordan, W. H. Smith, R. M. Byrnes, H. C. Beardslee.]

OREGON.

- Preliminary Report of the State Geologist to the Legislative Assembly. Eighth Regular Session, 1874. Salem, 1874. 8vo., 22 pp. [Thomas Condon.]

PENNSYLVANIA.†

- Report of a Committee of the House of Representatives, recommending an appropriation by the Legislature to make a Geological Survey of the State, under the direction of the Geological Society of Pennsylvania. Mr. Say, Chairman. Harrisburg, 1833. 8vo., 10 pp.
- ✓ Report of the Committee of the Senate of Pennsylvania upon the subject of the Coal Trade; S. J. Packer, Chairman. Harrisburg, 1834. 8vo., 126 pp., and map.

† Some reports which were printed in German are omitted in this catalogue.

- Report to the Legislature of Pennsylvania, containing a Description of the Swatara Mining District; Henry K. Strong, Chairman. Harrisburg, 1839. 12mo., 61 pp., 8 plates, and map.
- Report to the Legislature of the Committee on so much of the Governor's Message as relates to the Geological and Mineralogical Survey of the State; by Charles B. Trego. Harrisburg, 1836. 8vo., 12 pp.
- Report of the Joint Committee of the Senate and House of Representatives of Pennsylvania on the Publication of the Geological Surveys. n.d. 8vo., 16 pp.
- First Annual Report of the State Geologist. Harrisburg, 1836. 8vo., 22 pp. [H. D. Rogers.]
- Second Annual Report on the Geological Exploration of the State of Pennsylvania; by Henry D. Rogers, State Geologist. Harrisburg, 1838. 8vo., 91 pp., and plate.
[Another edition has 93 pp.]
- Third Annual Report on the Geological Survey of the State of Pennsylvania. Henry D. Rogers, State Geologist. Harrisburg, 1839. 8vo., 118 pp.
[Another edition has 119 pp.]
- Fourth Annual Report on the Geological Survey of the State of Pennsylvania; by Henry D. Rogers, State Geologist. Harrisburg, 1840. 8vo., 252 pages.
[Another edition has 215 pp.]
- Fifth Annual Report on the Geological Exploration of the Commonwealth of Pennsylvania; by Henry D. Rogers, State Geologist. Harrisburg, 1841. 8vo., 156 pp., and plate of sections.
[Another edition has 179 pp.]
- Sixth Annual Report on the Geological Survey of Pennsylvania; by Henry D. Rogers, State Geologist. Harrisburg, 1842. 8vo., 28 pp.
- Report of Richard Brodhead, Jr., of Northampton, a member of the Select Committee to which was referred that part of the Governor's Message relative to the Geological Survey of the State. Harrisburg, 1841. 8vo., 7 pp.
- Report of the Select Committee of the Senate of Pennsylvania, in relation to the Progress of the State Geological Survey. Harrisburg, 1855. 8vo., 7 pp.
- The Geology of Pennsylvania, a Government Survey. With a General view of the Geology of the United States, essays on the Coal Formation and its Fossils, and a Description of the Coal

- Fields of North America and Great Britain; by Henry Darwin Rogers, State Geologist. Edinburgh and New York, 1868. 4to., Vol. I, 586 pp., 11 plates of sections, and 24 plates. Vol. II, 1045 pp., 7 plates of sections, 1 map, 23 plates of fossils, 22 plates of views; and 2 separate maps.
- Second Geological Survey of Pennsylvania. Report of the State Geologist to the Governor for 1874. 8vo., A., xvii pp.
- Report of the Board of Commissioners of the Second Geological Survey of Pennsylvania for 1875. 8vo., 11 pp.
- Report of the Board of Commissioners of the Second Geological Survey of Pennsylvania for 1876. 8vo., 10 pp., and map.
- Report of the Board of Commissioners of the Second Geological Survey of Pennsylvania for 1878. 8vo., 4 pp., and map.
- Second Geological Survey of Pennsylvania, 1874-5-6. Historical Sketch of Geological Explorations in Pennsylvania and other States; by J. P. Lesley; with an appendix, containing the annual reports of the State Geologist to the Board of Commissioners. Harrisburg, 1876. 8vo., 200, and xxvi pp.
- Second Geological Survey of Pennsylvania, 1874. Preliminary Report on the Mineralogy of Pennsylvania; by F. A. Genth. With an appendix on the Hydrocarbon Compounds; by Samuel P. Sadtler. Harrisburg, 1875. 8vo., v, and 206 pp., and map.
- Second Geological Survey of Pennsylvania, 1875. Second Preliminary Report on the Mineralogy of Pennsylvania; by F. A. Genth; with analyses of Mineral Spring Waters. Harrisburg, 1876. 8vo., ii and 32 pp.
- Second Geological Survey of Pennsylvania, 1874. Report of Progress in the District of York and Adams Counties, illustrated by maps and cross-sections, showing the Iron-ore Belts and individual Mines; with Descriptions of the same, notes of a transit line to establish altitudes, and a Catalogue of Specimens collected and placed in the Museum at Harrisburg; by Persifer Frazer, Jr. Harrisburg, 1876. 8vo., viii and 198 pp., 5 sections, 3 maps, and 3 plates.
- Second Geological Survey of Pennsylvania, 1875. Report of Progress in the Counties of York, Adams, Cumberland, and Franklin. Illustrated by 3 maps and 9 cross-sections, showing the Magnetic and Micaceous Ore Belt near the western edge of the Mesozoic Sandstone, and the two Azoic Systems constituting the Mass of the South Mountains. With a preliminary Discussion of

- the Dillsburg Ore Bed and a Catalogue of Specimens collected in 1875; by Persifer Frazer, Jr. Harrisburg, 1877. Svo., 201, 400 pp., with 3 plates.
- Second Geological Survey of Pennsylvania, 1874. Report of Progress on the Brown Hematite Ore Ranges of Lehigh County; with a Description of the Mines lying between Emaus, Alburdis, and Fogelsville; by Frederick Prime, Jr. Harrisburg, 1875. Svo., ix and 73 pp., and a map.
- Second Geological Survey of Pennsylvania. Report of Progress, 1875-6. The Brown Hematite Deposits of the Siluro-Cambrian Limestones of Lehigh County, lying between Shimersville, Millerstown, Schneeksville, Ballietsville, and the Lehigh River; by Frederick Prime, Jr., Assistant Geologist. Harrisburg, 1878. Svo., xi and 99 pp., 5 map-sheets, and 5 plates.
- Second Geological Survey of Pennsylvania, 1875. Special Report on the Trap Dykes and Azoic Rocks of Southeastern Pennsylvania; by T. Sterry Hunt. Part I. Historical Introduction. Harrisburg, 1878. Svo., xxi and 253 pp., and map.
- Second Geological Survey of Pennsylvania, 1874-75. Report of Progress in the Juniata District on the Fossil Iron-Ore Beds of Middle Pennsylvania; by John H. Dewees. With a Report of the Anghwick Valley and East Broad Top District; by C. A. Ashburner. Harrisburg, 1878. Svo., xlix and 305 pp., 19 sections and 7 maps.
- Second Geological Survey of Pennsylvania, 1874-78. Report of Progress in Bradford and Tioga Counties. 1. Limits of the Catskill and Chemung Formations; by Andrew Sherwood. 2. Description of the Barclay, Blossburg, Fall Brook, Arnot, Antrim, and Gaines Coal-Fields, and at the Forks of Pine Creek, in Potter County; by Franklin Platt. 3. On the Coking of Bituminous Coal; by John Fulton. Harrisburg, 1878. Svo., xii and 271 pp., 3 plates, and 2 maps.
- Second Geological Survey of Pennsylvania, 1874. Report of Progress in the Clearfield and Jefferson District of the Bituminous Coal-Fields of Western Pennsylvania; by Franklin Platt. Illustrated with 139 woodcuts, and 10 maps and sections. Harrisburg, 1875. Svo., viii and 296 pp.
- Second Geological Survey of Pennsylvania, 1875. Report of Progress in the Cambria and Somerset District of the Bituminous Coal-Fields of Western Pennsylvania; by F. and W. G. Platt.

- Illustrated with 84 woodcuts and 4 maps and sections. Part I, Cambria. Harrisburg, 1877. 8vo., xxx and 194 pp.
- Second Geological Survey of Pennsylvania, 1876. Report of Progress in the Cambria and Somerset District of the Bituminous Coal-Fields of Western Pennsylvania; by F. and W. G. Platt. Illustrated with 110 woodcuts and 6 maps and sections. Part II, Somerset. Harrisburg, 1877. 8vo., xxxiv and 348 pp.
- Second Geological Survey of Pennsylvania, 1877. Report of Progress in Indiana County; by W. G. Platt. Harrisburg, 1878. 8vo., xxvi and 316 pp., plate and map.
- Second Geological Survey of Pennsylvania, 1874. Report of Progress in the Venango County District; by John F. Carll. Observations on the Geology around Warren; by F. A. Randall. Note on the Comparative Geology of Northeastern Ohio and Northwestern Pennsylvania, and Western New York; by J. P. Lesley. Harrisburg, 1875. 8vo., 127 pp., 2 maps and section.
- Second Geological Survey of Pennsylvania, 1876-7. Report of Progress, II. Oil Well Records and Levels; by John F. Carll. Published in advance of Progress, III. Harrisburg, 1877. 8vo., xiv, and 398 pp. and map.
- Second Geological Survey of Pennsylvania, 1874. Special Report on the Petroleum of Pennsylvania, its production, transportation, manufacture and statistics; by Henry E. Wrigley, with 5 maps and illustrations. To which are added a map and profile of a line of levels through Butler, Armstrong, and Clarion Counties; by D. Jones Lucas. Harrisburg, 1875. 8vo., viii, and 122 pp.
- Second Geological Survey of Pennsylvania, 1875. Report of Progress in the Greene and Washington District, of the Bituminous Coal-Fields of Western Pennsylvania; by J. J. Stevenson. Illustrated with 3 sections and 2 county maps, showing the calculated local depths of the Pittsburgh and Waynesburg Coal Beds beneath the surface. Harrisburg, 1876. 8vo., x, and 419 pp.
- Second Geological Survey of Pennsylvania, 1876. Report of Progress in the Fayette and Westmoreland District of the Bituminous Coal-Fields of Western Pennsylvania; by J. J. Stevenson. Part I, Eastern Allegheny County, and Fayette and Westmoreland Counties, west from Chestnut Ridge. Illustrated with 50 woodcuts and 3 county maps, colored. Harrisburg, 1877. 8vo., viii, and 437 pp.
- Second Geological Survey of Pennsylvania, 1877. Report of Progress in the Fayette and Westmoreland District of the Bituminous

- Coal-Fields of Western Pennsylvania; by J. J. Stevenson. Part II, The Ligonier Valley. Harrisburg, 1878. 8vo., x, and 331 pp., 2 plates and 3 maps.
- Second Geological Survey of Pennsylvania, 1875. Special Report on the Coke Manufacture of the Youghiogheny River Valley, in Fayette and Westmoreland Counties. With Geological Notes of the Coal and Iron-Ore beds, from surveys by Charles A. Young; by Franklin Platt. To which are appended: I. A Report on Methods of Coking; by John Fulton. II. A Report on the use of Natural Gas in the Iron Manufacture; by John B. Pearse and Franklin Platt. Harrisburg, 1876. 8vo., 252 pp., 2 maps, and 15 plates.
- Second Geological Survey of Pennsylvania, 1874-5. Report of Progress in the Laboratory of the Survey at Harrisburg; by Andrew S. McCreath. Harrisburg, 1875. 8vo., 105 pp.
- Second Geological Survey of Pennsylvania, 1875-6-7. Report of Progress N. Two Hundred Tables of Elevation above Tide-level, of the railroad stations, summits, and tunnels; canal locks and dams, river ripples, etc., in and around Pennsylvania; by Charles Allen. Harrisburg, 1878. 8vo., xxiv, and 279 pp., and 2 maps.
- Second Geological Survey of Pennsylvania, 1874-5-6-7. Catalogue of the Geological Museum; by Charles E. Hall. Part I, Collections of Rock Specimens, Nos. 1 to 4264. Harrisburg, 1878. 8vo., 217 pp., and map.
- Geological Survey of Pennsylvania, 1875. Report of Progress in the Beaver River District of the Bituminous Coal-Fields of Western Pennsylvania; by I. C. White. Harrisburg, 1878. 8vo., li, and 337 pp., 21 plates and 4 maps.

RHODE ISLAND.

- Report on the Geological and Agricultural Survey of Rhode Island; by Charles T. Jackson. Providence, 1840. 8vo., 312 pp., map and section.
- State of Rhode Island, etc., Memorial of Prof. Ridgeway, Geologist and Mining Engineer, in relation to the Coal Field of Rhode Island. Presented to the General Assembly at its January Session, 1868. Providence, 1867. 8vo., 9 pp.
- [Reprinted, 1870. 8vo., 12 pp.]
- Report of a Commission to prepare a Plan for a thorough Geological and Scientific Survey of the State. Presented to the General

Assembly at its January Session, A.D. 1876. Providence, 1876. 8vo., 13 pp.

ROCKY MOUNTAIN REGION.

Message from the President of the United States communicating Discoveries made in exploring the Missouri, Red River, and Washita; by Captains Lewis and Clark, Dr. Sibley and Mr. Dunbar, with a Statistical Account of the country adjacent. Washington, 1806. 8vo., 178 pp., and folding title.

History of the Expedition under the Command of Captains Lewis and Clark to the Sources of the Missouri, thence across the Rocky Mountains and down the River Columbia. Performed during the years 1804-5-6. Philadelphia, 1814. 8vo., Vol. I, xxviii and 470 pp., maps. Vol. II, ix and 522 pp., maps.

Account of an Expedition from Pittsburgh to the Rocky Mountains. Performed in the years 1819-20, under the Command of Maj. Stephen H. Long; compiled by Edward James. Philadelphia, 1823. 8vo., Vol. I, 5 and 503 pp; Vol. II, 442 and xcviii pp., and atlas of 11 sheets.

*[Reprinted in London, 8vo., 3 vols., in 1823.]

Narrative of an Expedition to the Sources of St. Peter's River, Lake Winnipeck, Lake of the Woods, etc., under the Command of Stephen H. Long, Maj. U. S. A.; by William H. Keating. Philadelphia, 1824. Vol. I, xii and 439 pp. Vol. II, vi and 459 pp. With 15 plates and map in the two volumes.

[Reprinted, London, 1825. 2 vols.]

Report intended to illustrate a Map of the Hydrographical Basin of the Upper Mississippi River; by I. N. Nicollet. Washington, 1843. 8vo., 170 pp.

XXVIIth Congress, 3d Session. Senate Ex. Doc. No. 243. An Exploration of the country lying between the Missouri River and the Rocky Mountains, on the Line of the Kansas and Great Platte Rivers; by J. C. Fremont. Washington, 1843. 8vo., — pp., and map.

Report of the Exploring Expedition to the Rocky Mountains in 1842, and to Oregon and North California in the years 1843-44; by Capt. J. C. Fremont, U.S. A. Washington, 1845. 8vo., 693 pp., 24 plates and 3 maps.

Notes of a Military Reconnoissance from Fort Leavenworth in Missouri, to San Diego in California, including parts of the Arkansas, Del Norte, and Gila Rivers; by Maj. W. H. Emory, U. S. A.

Made in 1846-7. Washington, 1848. 8vo., 416 pp., 41 plates and map.

Report of the Secretary of War communicating, in answer to a Resolution of the Senate, a Report and Map of the Examination of New Mexico, made by Lieut. J. W. Abert, U. S. A. Washington, 1848. 8vo., 132 pp., 21 plates and map.

Report of Lieut.-Col. P. St. George Cooke, of his March from Santa Fé, New Mexico, to San Diego, Upper California. Washington, 1848. 8vo., 13 pp., and map.

Journal of Captain A. R. Johnson, U. S. A. [Expedition from Santa Fé to San Diego.] Washington, 1848. 8vo., 48 pp.

[The last four are often found bound in one volume.]

Memoir of a Tour to Northern Mexico, connected with Col. Doniphan's Expedition in 1846-47; by A. Wislizenus. Washington, 1848. 8vo., 141 pp., section and 2 maps.

XXXIst Congress, 1st Session. Senate Ex. Doc. No. 64. Reports of the Secretary of War, with Reconnoissances of Routes, from San Antonio to El Paso, by Lieut.-Col. J. E. Johnston, Lieuts. W. F. Smith, F. T. Bryan, N. H. Michler, and Captain S. G. French, U. S. A. Also, the Report of Capt. R. B. Marey's Route from Fort Smith to Santa Fé, and the Report of Lieut. J. H. Simpson, U. S. A., of an Expedition into the Navajo Country, and the Report of Lieut. W. H. C. Whiting's Reconnoissance of the Western Frontier of Texas. Washington, 1850. 8vo., 250 pp., 2 maps and 75 plates.

[Several of these Reports were printed separately.]

XXXIst Congress, 1st Session. Senate Ex. Doc. No. 12. Report of the Secretary of War communicating the Report and Map of Route from Fort Smith, Arkansas, to Santa Fé, New Mexico; made by Lieut. Simpson. Washington, 1850. 8vo., 25 pp., and 4 maps.

Exploration and Survey of the Valley of the Great Salt Lake of Utah, including a Reconnoissance of a New Route through the Rocky Mountains; by Capt. Howard Stansbury, U. S. A. Washington, 1853. 8vo., 495 pp., 58 plates and atlas of 2 maps.

Report of an Expedition down the Zuni and Colorado Rivers; by Capt. L. Sitgreaves, U. S. A. Washington, 1854. 8vo., 198 pp., 79 plates and map.

* Explorations in the Dakota Country in the year 1853; by Lieut. G. K. Warren. Washington, 1855. 8vo., 79 pp., and maps.

XXXIVth Congress, 1st Session. Senate Ex. Doc. No. 76. Ex-

plorations in the Dakota Country in the year 1855; by Lieut. G. K. Warren. Washington, 1856. 8vo., 79 and 6 pp., plates, and 3 maps.

*Captain Wallen's Wagon Road Report.

Report on the United States and Mexican Boundary Survey; by Maj. William H. Emory, U. S. A. Vol. I. Washington, 1857. 4to., xvi, 258, xviii, and 174 pp., 77 plates, section and map.

Report on the United States and Mexican Boundary Survey; by Maj. William H. Emory, U. S. A. Vol. II. Washington, 1859. 4to., 270, 78, 62, 32, 35, 84, ii pp., and 272 plates.

XXXIVth Congress, Senate Ex. Doc., No. 60. Report of an Expedition to the Sources of the Brazos and Big Wichita Rivers, during the Summer of 1854; by Capt. R. B. Marcy, U. S. A. Washington, 1856. 8vo., 48 pp., and map.

XXXIVth Congress, 1st Session. Ex. Doc., H. R., No. 129. Report of the Secretary of War communicating the several Pacific Railroad Explorations. Washington, 1855. 8vo. Vol. I, 42, 117, 4, xii, 599, xv, pp.

Vol. II, 149, 136, 154, vi, ii, 324 pp.

*Vol. III.

Vol. IV, 14 maps.

Preliminary Report of Explorations in Nebraska and Dakota in the years 1855-56-57; by Lieut. G. K. Warren, U. S. A. Washington, 1858. 8vo., 131 pp., and map. [Reprinted, Washington, 1875. 8vo., 125 pp., and map.]

XXXIVth Congress. H. of R. Doc. No. 129. Report of the Secretary of War on the several Pacific Railroad Explorations. Washington, 1855. 8vo., 43 pp.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-4. Vol. I. Washington, 1855. 4to., viii, and 651 pp.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad, from the Mississippi River to the Pacific Ocean, made in 1853-55. Supplement to Vol. I. Washington, 1859. 4to., 333, viii, 72, 399, and 28 pp., and 123 plates. [Also published under the title: Supplementary Report of Explorations for a Route for the Pacific Railroad near the 47th and 49th Parallels of North Latitude, from St. Paul to Puget's Sound; by I. I. Stevens.]

Reports of Explorations and Surveys to ascertain the most Practi-

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- Annual Report upon the Geographical Surveys, west of the 100th Meridian, in California, Nevada, Utah, Colorado, Wyoming, New Mexico, Arizona, and Montana; by Lieut. Geo. M. Wheeler, U. S. A.; being Appendix JJ of the Annual Report of the Chief of Engineers for 1876. Washington, 1876. 8vo., vi and 355 pp., 2 plates, 16 maps, and section. ut. Geo. s, Lati- shing- u only
- Annual Report upon the Geographical Surveys, west of the 100th Meridian, in the States and Territories of California, Oregon, Nevada, Texas, Arizona, Colorado, Idaho, Montana, New Mexico, Utah, and Wyoming; by Lieut. Geo. M. Wheeler, U. S. A.; being Appendix NN of the Annual Report of the Chief of Engineers for 1877. Washington, 1877. 8vo., 133 pp., 2 plates and 11 maps. phical 8vo., aps of h Me- ny, in
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- Engineer Department, U. S. Army. Geographical and Geological Explorations and Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. A., in charge. Preliminary Report upon Invertebrate Fossils collected by the Expeditions of 1871, 1872, and 1873, with Descriptions of New Species. C. A. White. Washington, 1874. 8vo., 27 pp. ntry s. A. nent Ap- eers,

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- Engineer Department, U. S. Army. Instructions for taking and recording Meteorological Observations, and for preserving and repairing Instruments; prepared for the use of Field and Astronomical Parties of the Expeditions for Geographical Explorations and Surveys west of the 100th Meridian. Compiled from Col. Williamson's Use of the Barometer, and from the published Instructions of the U. S. Lake Survey; by Lieutenants R. L. Hoxie, and William L. Marshall, U. S. A. To which are appended Barometrical Tables I-XI of Professional Papers, Corps of Engineers, No. 15. Washington, 1875. 8vo., 34 pp.
- U. S. Geographical Surveys west of the 100th Meridian. Barometric Hypsometry. Instructions. Washington, 1876. 8vo., 88 pp.
- Engineer Department, U. S. Army. Catalogue of Mean Declination of 2018 Stars, etc. Prepared under the direction of Lieut. Geo. M. Wheeler, U. S. A., in charge of U. S. Geographical Surveys west of the 100th Meridian; by Prof. T. H. Safford. Washington, 1877. 8vo., — pp.

U. S. Geographical Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. Army, in charge. Lists of Longitudes, Latitudes, and Altitudes, being an extract from Vol. II. Washington, 1878. 4to., 22 pp., with blank tables. [A small edition only for the use of the Survey.]

Field List of Time Stars, for the use of the U. S. Geographical Surveys west of the 100th Meridian. Washington, 1878. Svo., 13 pp.

Engineer Department U. S. Army. List of Reports and Maps of the United States Geographical Surveys west of the 100th Meridian, Geo. M. Wheeler, Corps of Engineers, U. S. Army, in charge. Washington, 1878. Svo., 36 pp.

Maps of the U. S. Geographical Surveys west of the 100th Meridian.

TOPOGRAPHICAL ATLAS.

Title, Conventional Sign, Legend, Progress Map, Index Map, Map of Areas of Drainage, and Sheets Nos. 49, 50, 53C, 58, 59, 61B, 61C, 61C sub, 62A, 62C, 66, 67, 69B, 69D, 75, 76, 83, 41B, 47B, 47D, 61 A, 61D, 65D, 70A, 70C, 77B, 77D.

GEOLOGICAL ATLAS.

Title, Restored Outlines of Lake Bonneville, and Sheets Nos. 50, half of 58 and 66, 59, 67, 75, 76, 83.

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SPECIAL SHEETS.

Reconnaissance Map of parts of Nevada and Arizona.

Skeleton Map of country west of the Mississippi.

Map of the Grand Cañon of the Colorado.

War Department. Report of a Reconnaissance in the Ute Country made in the year 1873; by Lieutenant E. H. Ruffner, U. S. A. Washington, 1874. Svo., 101 pp., and map.

Annual Report upon Explorations and Surveys in the Department of the Missouri; by Lieut. E. H. Ruffner, U. S. A., being Appendix RR of the Annual Report of the Chief of Engineers,

- to the Secretary of War, for 1877. Washington, 1877. 8vo., pp. iv and 1399-1438, and 3 plates.
- Annual Report upon Explorations and Surveys in the Department of the Missouri; by Lieut. E. H. Ruffner, U. S. A.; being Appendix SS of the Annual Report of the Chief of Engineers, to the Secretary of War, for 1878. Washington, 1878. 8vo., iv, 2, and 1749-1867 pp., 2 maps and 7 plates.
- War Department. Report on the Yellowstone Expedition of 1873; by Maj.-Gen. D. S. Stanley, U. S. A. Washington, 1874. 8vo., 17 pp.
- Annual Report upon Explorations and Surveys in the Department of Dakota; by Lieut.-Col. William Ludlow, U. S. A. From the Report of the Chief of Engineers to the Secretary of War for 1874. Washington, 1874. 8vo., 10 pp.
- Engineer Department, U. S. A. Report of a Reconnoissance of the Black Hills of Dakota, made in the Summer of 1874; by Lieut.-Col. William Ludlow, U. S. A. Washington, 1875. 4to., 121 pp., plate and 3 maps.
- War Department. Report of a Reconnoissance from Carroll, Montana Territory, on the Upper Missouri, to the Yellowstone National Park and Return, made in the Summer of 1875; by Lieut.-Col. William Ludlow, U. S. A. Washington, 1876. 4to., 155 pp., 2 plates and 3 maps. [Also printed as Appendix XX to Report of Chief of Engineers for 1875. Washington, 1876. 8vo., 141 pp., 2 plates and 3 maps.]
- Department of the Interior, U. S. Geological and Geographical Survey of the Black Hills. The Mineral Wealth, Climate, and Rain Fall and Natural Resources of the Black Hills of Dakota; by Walter P. Jenny, Geologist-in-charge. Washington, 1876. 8vo., 71 pp., and map.
- United States Geographical and Geological Survey of the Rocky Mountain Region, J. W. Powell, in charge. Preliminary Report on the Palæontology of the Black Hills; by R. P. Whitfield. Containing Descriptions of New Fossils from the Potsdam, Jurassic and Cretaceous Formations. Washington, 1877. 8vo., 49 pp.
- Report on the Transportation Route along the Wisconsin and Fox Rivers in the State of Wisconsin, between the Mississippi River and Lake Michigan; by Gen. G. K. Warren, U. S. A., being Appendix T₂ of the Annual Report of the Chief of Engineers to

- the Secretary of War for 1876. Washington, 1876. 8vo., 116 pp., and 9 plates.
- XLVth Congress, 2d Session. H. of R's, Mis. Doc. No. 55. Public Surveys, Testimony before the Committee on the Public Lands. Washington, 1878. 8vo., 46 pp.
- XLVth Congress, 2d Session. H. of R's, Ex. Doc. No. 81. Geological and Geographical Surveys. Letter from the Secretary of the Interior transmitting Report of Prof. Hayden upon Geological and Geographical Surveys. Washington, 1878. 8vo., 22 pp., and map.
- XLVth Congress, 3d Session. H. of R's, Mis. Doc. No. 5. Surveys of the Territories. Letter from the acting President of the National Academy of Sciences transmitting a Report on the Survey of the Territories. Washington, 1878. 8vo., 27 pp.
- XLVth Congress, 3d Session. H. of R's, Ex. Doc. No. 29. Cost of certain Surveys. Letter from the Secretary of the Treasury transmitting a Communication from the Superintendent of the Coast and Geodetic Survey relative to the Cost of certain Classes of the Work of the Survey. Washington, 1879. 8vo., 4 pp.
- XLVth Congress, 3d Session. Senate, Ex. Doc. No. 21. Letter from the Secretary of War communicating Information in relation to the Surveys in the Territories west of the Mississippi River. Washington, 1879. 8vo., 17 pp.
- Part II, 6 pp.
- Report on the Methods of Surveying the Public Domain to the Secretary of the Interior, at the Request of the National Academy of Sciences; by J. W. Powell, 1878. Washington, 1878. 8vo., 16 pp.
- XLVth Congress, 3d Session. H. of R's, Ex. Doc. No. 72. Cost of Geographical Surveys. Letter from the Secretary of the Interior relating to the Cost of Geographical Surveys. Washington, 1879. 8vo., 6 pp.
- Reports of Inspection made in the Summer of 1877 by Generals P. H. Sheridan and W. T. Sherman of Country north of the Union Pacific Railroad. Washington, 1878. 8vo., 110 pp., 10 maps and 4 plates.

SOUTH CAROLINA.

- *L. Vanuxem. Report on Geology, published in newspapers, and most of it in Mills's Statistics of South Carolina. 1826. 8vo.
- Report of the Commencement and Progress of the Agricultural

Survey of South Carolina for 1843; by Edmund Ruffin, Agricultural Surveyor of the State. Columbia, 1843. 8vo., 120 and 55 pp.

Report on the Geological and Agricultural Survey of the State of South Carolina; by M. Tuomey. Columbia, 1844. 8vo., iv, and 63 pp.

Report on the Geology of South Carolina; by M. Tuomey. Columbia, 1848. 4to., vi, 293, and lvi pp., plate and 2 maps.

Report on the Survey of South Carolina: being the first annual report to the General Assembly; by Oscar M. Lieber. Columbia, 1856. 8vo., viii, and 136 pp., and 9 plates.

Report on the Survey of South Carolina: being the second annual report to the General Assembly; by Oscar M. Lieber. Columbia, 1858. 8vo., viii, and 145 pp., and 5 plates.

Report on the Survey of South Carolina: being the third annual report to the General Assembly; by Oscar M. Lieber. Columbia, 1859. 8vo., xv, and 223 pp., and 3 plates.

Report on the Survey of South Carolina: being the fourth annual report to the General Assembly. Columbia, 1860. 8vo., ix, and 194 pp., and 4 plates. [Oscar M. Lieber.]

[The last four reports are bound in one volume, with the title, Reports on the Geognostic Survey of South Carolina; by Oscar Montgomery Lieber, State Geologist of S. C. I, II, III, IV. 1856-1860. Columbia, 1860.]

Report of the Superintendent of the United States Coast Survey for 1870. Washington, 1873. 4to. Contains, pp. 182-189, Report of Professor N. S. Shaler on the Phosphate Beds of South Carolina.

TENNESSEE.

[Troost's First and Second Reports were not published.]

Third Geological Report to the 21st General Assembly of the State of Tennessee, made Oct., 1835; by G. Troost. Nashville, 1835. 12mo., 32 pp., and map.

Fourth Geological Report to the 22d General Assembly of the State of Tennessee, made Oct., 1837; by G. Troost. Nashville, 1837. 12mo., 37 pp., and map.

Fifth Geological Report to the 23d General Assembly of Tennessee, made Nov., 1839; by G. Troost. Nashville, 1840. 8vo., 75 pp., and 2 maps.

Sixth Geological Report to the 24th General Assembly of the State

- of Tennessee, made Oct., 1841; by G. Troost. Nashville, 1841. 8vo., 48 pp., and map.
- Seventh Geological Report to the 25th General Assembly of the State of Tennessee, made Nov., 1843; by G. Troost. Nashville 1844. 8vo., 45 pp., and map.
- Eighth Annual Report to the 26th General Assembly of the State of Tennessee, made Nov., 1845; by G. Troost. Nashville, 1845. 12mo., 40 pp.
- Ninth Annual Report to the 27th General Assembly of the State of Tennessee, made Nov., 1847; by G. Troost. Nashville, 1848. 12mo., 39 pp., and 2 plates.
- A Geological Reconnoissance of the State of Tennessee, being the Author's First Biennial Report, presented to the 31st General Assembly of Tennessee, Dec., 1855; by James M. Safford, State Geologist. Nashville, 1856. 8vo., 164 pp., and map.
- Second Biennial Report, presented to the 32d General Assembly of Tennessee, Nov., 1857; by James M. Safford, State Geologist. Nashville, 1857. 8vo., 11 pp.
- Geology of Tennessee; by James M. Safford, State Geologist. Nashville, 1869. 8vo., xi, and 550 pp., 8 plates and map.
- Introduction to the Resources of Tennessee; by J. B. Killebrew, assisted by James M. Safford. Nashville, 1874. 8vo., viii, 1193, and xi pp. Contains Geology, pp. 26-275.

TEXAS.

- First Report of Progress of the Geological and Agricultural Survey of Texas; by B. F. Shumard, State Geologist. Austin, 1859. 8vo., 17 pp.
- A Preliminary Report of the Geological and Agricultural Survey of Texas; by S. B. Buckley. Austin, 1866. 8vo., 81, 4 and ii pp.
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- Report and Correspondence on the Subject of a Geological and Topographical Survey of the State of Vermont. —, 1838. 8vo., 20 pp.

- First Annual Report on the Geology of the State of Vermont ; by C. B. Adams, State Geologist. Burlington, 1845. 8vo., 92 pp., map and section.
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- Preliminary Report on the Natural History of the State of Vermont ; by Augustus Young, State Naturalist. Burlington, 1856. 8vo., 88 pp.
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- Report on the Geological Survey of Vermont ; by Edward Hitchcock, State Geologist. Burlington, 1858. 8vo., 13 pp.
- Preliminary Report on the Geology of Vermont ; by Edward Hitchcock, State Geologist. Montpelier, 1859. 8vo., 16 pp.
- Report on the Geology of Vermont : Descriptive, Theoretical, Economical and Scenographical ; by Edward Hitchcock, Edward Hitchcock, Jr., Albert D. Hager, Charles H. Hitchcock. In two volumes. Claremont, 1861. 4to., together 988 pp., 38 plates, including 3 maps.
- The First Annual Report of the Vermont State Board of Agriculture, Manufactures, and Mining for the year 1872. Montpelier, 1872. 8vo. Contains, pp. 713-721, Report of the State Geologist and Curator of the State Cabinet. [H. A. Cutting.]
- The Second Biennial Report of the State Board of Agriculture, etc. Montpelier, 1874. 8vo. Contains, pp. 759-782, Report of the State Geologist and Curator of the State Cabinet for the years 1873-74. [H. A. Cutting.]
- The Third Biennial Report of the Vermont State Board of Agriculture, etc., for 1875-76. Rutland, 1876. 8vo. Contains, pp. 661-686, Report of the State Geologist and Curator of the State Cabinet for 1875-76. [H. A. Cutting.]

VIRGINIA.

- Report of the Geological Reconnoissance of the State of Virginia, made under the appointment of the Board of Public Works ; by

- William B. Rogers. Richmond, 1836. 4to., 52 pp., and plate. [Republished, Philadelphia, 1836. 8vo., 143 pp., and plate.]
- Report of the Progress of the Geological Survey of Virginia for 1836; by William B. Rogers. Richmond, 1837. 4to., 14 pp.
- Report of the Progress of the Geological Survey of Virginia for 1837; by William B. Rogers. Richmond, 1838. 4to., 24 pp.
- [First and Second Reports of the Progress of the Geological Survey of Virginia, for the years 1836 and 1837. Philadelphia, 1838. 8vo., 87 pp.]
- Report of the Progress of the Geological Survey of the State of Virginia, for the year 1838; by William B. Rogers. Richmond, 1839. 4to., 32 pp.
- Report of the Progress of the Geological Survey of the State of Virginia, for the year 1839; by William B. Rogers. Richmond, 1840. 8vo., 161 pp.
- Report of the Progress of the Geological Survey of the State of Virginia, for the year 1840; by William B. Rogers. Richmond, 1841. 8vo., 132 pp.
- Virginia: a Geographical and Political Summary, embracing a Description of the State, its Geology, Soils, Minerals, Climate, etc. Prepared under the Supervision of the Board of Immigration. Richmond, 1876. 8vo., iv, 319 pp. and 4 maps. [Jed. Hotchkiss.]

WEST VIRGINIA.

- Third Annual Report of the Board of Regents of West Virginia University for the year 1870. Wheeling, 1871. 8vo. Contains pp. 40-73, "B." Geological Examination of Monongalia County, West Virginia, by J. J. Stevenson, with Lists of Fossils and Descriptions of New Species; by F. B. Meek.
- Resources of West Virginia; by M. F. Maury and Wm. M. Fontaine. Wheeling, 1876. 8vo., 430 pp. Contains valuable geological information.

WISCONSIN.

- Report of a Geological Reconnoissance, made in 1835, from the Seat of Government by the way of Green Bay and the Wisconsin Territory to the Coteau de Prairie; by G. W. Featherstonhaugh, U. S. Geologist. Washington, 1836. 12mo., 168 pp. and 4 plates.
- First Annual Report of the Geological Survey of the State of Wis-

- consin; by Edward Daniels. Madison, 1854. 8vo., 84 pp., 2 sections.
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- Annual Report of the Geological Survey of the State of Wisconsin; by James G. Percival. Madison, 1856. 8vo., 111 pp. [Also printed in German.]
- Annual Report of the Geological Survey of the State of Wisconsin, for the year ending Dec. 31st, 1857; by E. Daniels. Madison, 1858. 12mo., 62 pp. and section.
- Report of the Commissioners of the Geological Survey. Madison, 1858. 8vo., 12 pp.
- *James Hall. Annual Report for 1859. Madison, 1860.
- Report of the Superintendent of the Geological Survey, exhibiting the Progress of the work, Jan. 1st, 1861; by James Hall. Madison, 1861. 8vo., 52 pp.
- Report on the Geological Survey of the State of Wisconsin. Vol. I; by James Hall and J. D. Whitney. Albany, 1862. 8vo., xix and 455 pp., 10 plates and 2 maps.
- State of Wisconsin. Report on the Geological Survey of the Lead Region; by John Murrish. n. d. 8vo., 65 pp.
- The State of Wisconsin, embracing brief Sketches of its History, Position, Resources, Industries, and a Catalogue of its Exhibits at the Centennial, at Philadelphia, 1876. Madison, 1876. 8vo., 86 and 84 pp.
- Annual Report of Progress and Results of the Wisconsin Geological Survey for the year 1876; by T. C. Chamberlin, Chief Geologist. Madison, 1877. 8vo., 40 pp.
- Annual Report of the Wisconsin Geological Survey for the year 1877; by T. C. Chamberlin, Chief Geologist. Madison, 1878. 8vo., 94 pp. and plate.
- Geology of Wisconsin. Survey of 1873-1877. Vol. II, Part I, Historical. Part II, Eastern Wisconsin. Part III, Central Wisconsin. Part IV, Lead Region. Madison, 1877. Roy. 8vo., xix and 768 pp., 37 plates and an atlas of 14 maps. [T. C. Chamberlin, Director.]
- Annual Report of the Wisconsin Geological Survey for the year 1878; by T. C. Chamberlin, Chief Geologist. Madison, 1879. 8vo., 51 pp.

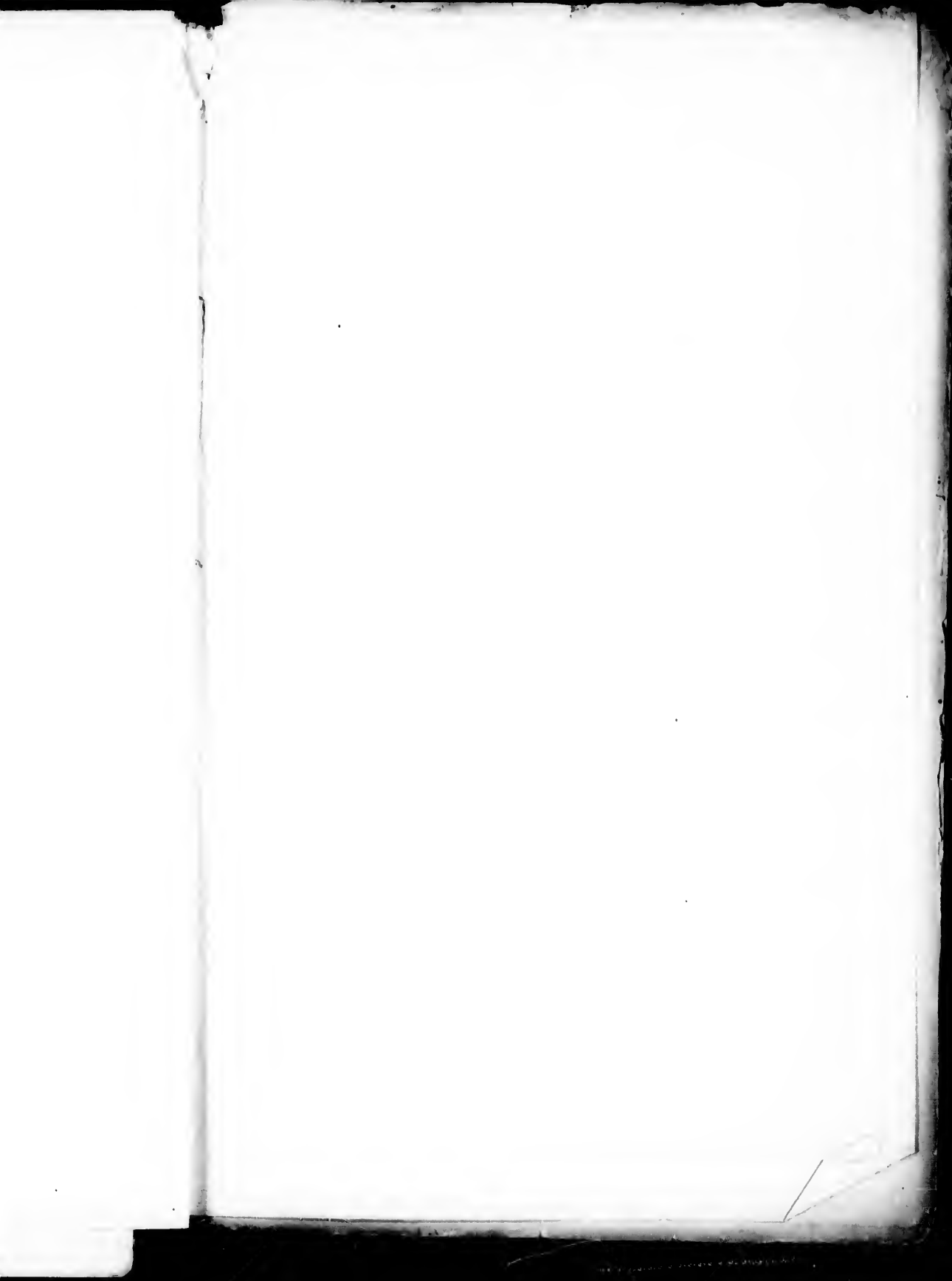
WISCONSIN AND IOWA.

Letter of the Secretary of the Treasury communicating a Report of a Geological Reconnoissance of the Chippewa Land District of Wisconsin and the northern part of Iowa; by David Dale Owen. Washington, 1848. 8vo., 134 pp., 23 plates, 14 sections and maps.

WISCONSIN, IOWA, AND MINNESOTA.

Report of a Geological Survey of Wisconsin, Iowa, and Minnesota, and incidentally of a portion of Nebraska Territory; by David Dale Owen, U. S. Geologist. Philadelphia, 1852. 4to., 638 pp., 27 plates, 16 sections and map.









SUPPLEMENT II TO A CATALOGUE OF OFFICIAL REPORTS UPON GEOLOGICAL SURVEYS OF THE UNITED STATES AND TERRITORIES, AND OF BRITISH NORTH AMERICA.

BY FREDERICK PRIME, JR., P.I.D.

In this second supplementary list no titles to which an * is prefixed have been seen by the compiler; and he will be most thankful to have any omissions or inaccuracies in the list sent to him to be published as a third supplement in the next volume of the *Transactions*. The author is indebted to Prof. J. J. Stevenson, of New York, Prof. P. R. Uhler and John W. M. Lee, Esq., of Baltimore, and Lloyd P. Smith, Esq., of Philadelphia, for valuable assistance.

OFFICE, ALLENTOWN IRON COMPANY,
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September 5th, 1881.

ALABAMA.

Geological Survey of Alabama. Report of Progress for 1879 and 1880 by Eugene A. Smith, State Geologist. Montgomery, 1881. 8vo., 158 pp., and 2 maps.

CALIFORNIA.

Omit Report of Hon. T. Butler King, in Supplement I.
For Trask's Geology and Industrial Resources, etc., in Supplement I., read Tyson's, etc.
Fremont's Memoir on Upper California, is also published as XXXth Congress, 1st Session. Senate Mis. Doc., No 148, and has a map.
For Randall's Report in Supplement I, read Report of the Special Committee in favor of a Geological Survey, submitted by Mr. Randall, April 24th, 1851. n.d., 1851. 8vo., 19 pp.
XXXIst Congress, 1st Session, Sen. Ex. Doc., No. 47, Part 2 [Part 1 is Tyson's Report.] Report of the Secretary of War in further compliance with the Resolution of the Senate, calling for Copies of

Reports on the Geology and Topography of California. Washington, 1850. 8vo., 32 pp. [Derby and Williamson.]
 Geological Survey of California; J. D. Whitney, State Geologist. Botany, Vol. II; by Sereno Watson. Cambridge, 1880. Roy. 8vo., xv and 559 pp.

CANADA.

Geological Survey of Canada; Alfred R. C. Selwyn, Director. Report of Progress for 1878-79. Montreal, 1880. 8vo., x, 14, 239, 72, iv, 26, 25 pp., 29 plates, and 5 maps.

FLORIDA.

Omit the pamphlet in Supplement I.
 XXXth Congress, 1st Session. Senate, Rep. Com., No. 242. Report of Committee on Draining the Everglades of Florida. Washington, 1848. 8vo., 131 pp.

INDIANA.

State of Indiana. Second Annual Report of the Department of Statistics and Geology, 1880. To the Governor. Indianapolis 1880. 8vo., 541 pp., 4 maps, and 11 plates. [John Collett.]

IOWA, WISCONSIN, AND ILLINOIS.

Another edition of the report referred to in the catalogue contains 161 pp.

MARYLAND.

Insert the following list of official publications of the Geology of Maryland in place of that given in the catalogue:

XXIIIrd Congress, 1st Session. H. of R., Report No. 114; by Hon. Charles Fenton Mercer, on Chesapeake and Ohio Canal, and Baltimore and Ohio Railroad Companies. Washington, 1834. 8vo., 378 pp., and plate.

*Report of Hon. William Cost Johnson. H. of R., Doc. No. 168. Washington, 1836.

Md. House of Delegates. Sess. Dec., 1832. Report of the Select Committee relative to the Expediency of procuring a Map of the State. L. W. Jenkins, Chairman, Annapolis, 1833. 8vo., 10 pp.

Md. Sess. Dec., 1833. Report on the projected Survey of the State of Maryland, pursuant to a Resolution of the General Assembly. Annapolis, 1834. 8vo., 39 pp. and map. J. T. Ducatel and J. H. Alexander.]

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[Another edition. Annapolis, 1834. 8vo., 58 pp. and map.]

[Another edition. Annapolis, 1834. 8vo., 43 pp., and folded table.]

Md. House of Delegates, Sess. Dec., 1833. William D. Merriek, Chairman. Report of the Committee on Internal Improvement [Sic.] Relative to a Map and Survey of the State of Maryland. Annapolis, 1834. 8vo., 6 pp.

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- Md. Sess. Dec., 1846. Document T. Order of the House. Report of the Committee on Agriculture in Relation to the appointment of an agricultural Chemist. n. d. 8vo., 8 pp.
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- In Catalogue in place of A. B. Gray, etc., read: XXIXth Congress, 1st Session. H. of R. Doc., No. 211. Mineral Lands of Lake Superior. Letter from the Secretary of War relative to the Mineral Lands on Lake Superior. Washington, 1846. 8vo., 23 pp. and map. [A. B. Gray.]
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- XXXth Congress, 1st Session. Senate Ex. Doc., No. 2. Report from the Acting Secretary of the Treasury, communicating the Annual Report of the Commissioner of the General Land Office. Washington, 1847. 8vo., 230 pp. [Contains C. T. Jackson's Report of Progress of the Geological Survey of the Mineral Lands of the United States to Michigan in October 27th, 1847.]
- XXXth Congress, 2nd Session. Senate Ex. Doc., No. 2. Report from the Secretary of the Treasury communicating the Annual Report of the Commissioner of the General Land Office. Washington, 1848. 8vo., 191 pp. [Contains Reports of C. T. Jackson, J. D. Whitney and J. W. Foster on the Mineral Lands of the United States in Michigan.]
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Second Geological Survey of Pennsylvania, 1879. Report of Progress in Armstrong County; by W. G. Platt. Harrisburg, 1880. 8vo., lxxvii and 338 pp., and map.

Second Geological Survey of Pennsylvania, 1875 to 1879. The Geology of the Oil Regions of Warren, Venango, Clarion, and Butler counties, including Surveys of the Garland and Panama Conglomerates in Warren and Crawford, and in Chatauqua Co., N. Y. Description of the Oil-well Rig and Tools, and a Dis-

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Second Geological Survey of Pennsylvania: Report of Progress R. The Geology of McKean County and its Connection with that of Cameron, Elk, and Forrest; by Charles A. Ashburner. Harrisburg, 1880. 8vo., xii and 371 pp., 8 plates and table, and atlas of 8 maps and sections.

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Second Geological Survey of Pennsylvania: Report of Progress, T. The Geology of Blair County; by Franklin Platt. Harrisburg, 1881. 8vo., 311 pp., and atlas of 17 sheets.

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In Supplement I strike out "Erase XXXIVth Congress. II. of R. Doc., No. 129. Washington, 1855. 43 pp."

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Vol. III, of Powell's Contributions to North American Ethnology contains 43 plates.

Albert's Report of New Mexico, 1848, 132 pp. Was also published as XXXth Congress, 1st Session. Senate Ex. Doc., No. 23.

XXXIst Congress, 2d Session. Senate Ex. Doc., No. 19. Report of the Secretary of War communicating, in answer to a Resolution of the Senate, the Report of Lieut. Whipple's Expedition from San Diego to the Colorado. Washington, 1851. 8vo., 28 pp.

XXXIVth Congress, 1st and 2d Sessions. Senate Ex. Doc., No. 1, Pt. 2. Contains pp. 90-98, Report of Capt. A. A. Humphreys, U. S. A., upon the Progress of the Pacific Railroad Explorations and Surveys. Washington, 1855. 8vo.

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The Annual Report of the Chief of Engineers to the Secretary of War for the Year 1872. Washington, 1872. 8vo. Contains pp. 1108-1118, Report of Capt. W. A. Jones of a Survey and Exploration in the Uintah Mountains, Utah.

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 Report on the Geology of the High Plateau of Utah, by Capt.
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