Peridotite of Elliott County, Kentucky

Diller Joseph Silas
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No. 38

PERIDOTITE OF ELLIOTT COUNTY, KENTUCKY

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[Bulletin No. 38]

The publications of the United States Geological Survey are issued in accordance with the statute approved March 3, 1879, which declares that—

"The publications of the Geological Survey shall consist of the annual report of operations, geological and economic maps illustrating the resources and classification of the lands, and reports upon general and economic geology and paleontology. The annual report of operations of the Geological Survey shall accompany the annual report of the Secretary of the Interior. All special memoirs and reports of said Survey shall be issued in uniform quarto series if deemed necessary by the Director, but otherwise in ordinary octavo. Three thousand copies of each shall be published for scientific exchanges and for sale at the price of publication; and all literary and cartographic materials received in exchange shall be the property of the United States and form a part of the library of the organization: And the money resulting from the sale of such publications shall be covered into the Treasury of the United States."

On July 7, 1882, the following joint resolution, referring to all Government publications, was passed by Congress:

"That whenever any document or report shall be ordered printed by Congress, there shall be printed, in addition to the number in each case stated, the "usual number" (1,900) of copies for binding and distribution among those entitled to receive them."

Except in those cases in which an extra number of any publication has been supplied to the Survey by special resolution of Congress or has been ordered by the Secretary of the Interior, this Office has no copies for gratuitous distribution.

ANNUAL REPORTS.

Of the Annual Reports there have been already published:

I. First Annual Report to the Hon. Carl Schurz, by Clarence King. 1880. 8vo. 70 pp. 1 map.—A preliminary report describing plan of organization and publications.


The Sixth Annual Reports are in press.

MONOGRAPHS.

Of the Monographs Nos. II, III, IV, V, VI, VII, VIII, IX, X, and XI are now published, viz.


III. Geology of the Comstock Lode and the Washoe District, with atlas, by George F. Becker. 1882. 4to. xvi, 322 pp. 4 pl. and atlas of 21 sheets folio. Price $1.11.

IV. Comstock Mining and Minera, by Eliot Lord. 1883. 4to. xiv, 451 pp. 3 pl. Price $1.50.

V. Copper-bearing Rocks of Lake Superior, by Roland D. Irving. 1883. 4to. xvi, 464 pp. 15 l. 29 pl. Price $1.85.

VI. Contributions to the Knowledge of the Older Mesozoic Flora of Virginia, by Wm. M. Fontaine. 1883. 4to. xii, 144 pp. 54 l. 54 pl. Price $1.55.


VIII. Paleontology of the Eureka District, by Charles D. Walcott. 1884. 4to. xiii, 298 pp. 34 l. 24 pl. Price $1.16.


XI. Geological History of Lake Lahontan, a Quaternary Lake of Northwestern Nevada, by Israel Cook Russell. 1885. 4to. xiv, 288 pp. 46 pl. Price $1.75.
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The following is in press, viz:

XII. Geology and Mining Industry of Leadville, with atlas, by S. F. Emmons. 1888. 4°. xxix, 776 pp. 45 pl. and atlas of 36 sheets folio.
The following are in preparation, viz:

I. The Precious Metals, by Clarence King.
— Geology of the Eureka Mining District, Nevada, with atlas, by Arnold Hague.
— Lakes Bonneville, by G. K. Gilbert.
— Sauropodas, by Prof. O. C. Marsh.
— Stegosauria, by Prof. O. C. Marsh.
— Brontotheridus, by Prof. O. C. Marsh.
— Geology of the Quicksilver Deposits of the Pacific Slope, with atlas, by George F. Becker.
— Description of New Fossil Plants from the Dakota Group, by Leo Leesquenuex.
— Report on Silver Cliff Mining District, by S. F. Emmons.
— Flora of the Dakota Group, by J. S. Newberry.

BULLETINS.

The Bulletins of the Survey will contain such papers relating to the general purpose of its work as do not properly come under the heads of Annual Reports or Monographs.

Each of these Bulletins contains but one paper and is complete in itself. They are, however, numbered in a continuous series, and may be mailed into volumes of convenient size. To facilitate this, each Bulletin has two paginationes, one proper to itself and another which belongs to it as part of the volume.

Of this series of Bulletins Nos. 1 to 38 are already published, viz:

2. Gold and Silver Conversion Tables, giving the ointing values of Troy ounces of fine metal, etc., by Albert Williams, Jr. 1883. 8°. 8 pp. Price 5 cents.
20. Contributions to the Mineralogy of the Rocky Mountains, by Whitman Cross and W. F. Hille-
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24. List of Marine Mollusca, comprising the Quaternary fossils and recent forms from American localities between Cape Hatteras and Cape Halls, including the Bermudas, by William H. Dall. 1885. 8°. 336 pp. Price 25 cents.
27. Report of work done in the division of Chemistry and Physics, mainly during the fiscal year 1884-5. 1886. 8°. 80 pp. Price 10 cents.
34. On the relation of the Laramie Molluscan Fauna to that of the succeeding Fresh-water Eocene and other groups, by Charles A. White. 1886. 8°. 54 pp. 5 pl. Price 10 cents.
39. Numbers 1 to 60 of the Bulletins from Volume I; Numbers 7 to 14, Volume II; Numbers 15 to 22, Volume III; Numbers 24 to 30, Volume IV; Numbers 31 to 46, Volume V; Volume VI is not yet complete.

The following are in press, viz:
38. The Upper Beaches and Delta of the Glacial Lake Agassiz, by Warren Upham.
40. Changes in River Courses in Washington Territory due to Glaciation, by Bailey Willis.
41. Fossil Faunas of the Upper Devonian—the Genesee Section, by Henry S. Williams.
42. Report of work done in the division of Chemistry and Physics, mainly during the fiscal year 1886-87. F. W. Clarke, chief chemist.
43. On the Tertiary and Cretaceous Strata of the Tuscaloosa, Tombigbee, and Alabama Rivers, by Eugene A. Smith and Lawrence C. Johnson.

In preparation:
44. Historic statement respecting geologic work in Texas, by R. T. Hill.
— The Gabbros and associated rocks in Delaware, by F. D. Chester.
— Report on Louisiana and Texas, by Lawrence C. Johnson.

STATISTICAL PAPERS.

A fourth series of publications, having special reference to the mineral resources of the United States, has been undertaken. Of that series the following have been published, viz:

Mineral Resources of the United States[1882], by Albert Williams, Jr. 1883. 8°. xvi, 323 pp. Price 50 cents.
Mineral Resources of the United States, 1883 and 1884, by Albert Williams, Jr. 1885. 8°. xiv, 1014 pp. Price 60 cents.

Correspondence relating to the publications of the Survey, and all remittances, which must be by postal note or money order (not stamps), should be addressed to the Director of the United States Geological Survey, Washington, D. C.
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BY

J. S. DILLER

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