BIBLIOGRAPHICAL NOTICE.

1. *Preliminary Field-Report of the United-States Geological Survey of Colorado and New Mexico, conducted, under the authority of the Secretary of the Interior, by F. V. HAYDEN, United-States Geologist. With a Report on the Mines and Minerals of Colorado, by PERSIFOR FRAZER, junior; and a Report on the Agriculture of Colorado, by CYRUS THOMAS.* 8vo, pp. 155. Washington, 1869.
2. *Geological Report of the Exploration of the Yellowstone and Missouri Rivers, by Dr. F. V. HAYDEN, under the direction of Captain W. F. RAYNOLDS, Eng. 1859-60. With Report on the Cretaceous and Tertiary Plants, by J. S. NEWBERRY, M.D.* 8vo, pp. 174. Washington, 1869. With a Geological Map.
3. *The Lifted and Subsided Rocks of America, with their Influences on the Oceanic, Atmospheric, and Land Currents, and the Distribution of Races.* By GEORGE CATLIN. 8vo, pp. 228. London, 1870.

THE United States Secretary of the Interior reported last year that Congress had appropriated \$10,000 for the continuance of the Geological Survey of the Territories of the United States by Professor Hayden, and that he was instructed by the Department of the Interior to direct his attention especially to the geological, mineralogical, and agricultural resources of the Territories of Colorado and New Mexico, to ascertain the age, order of succession, relative position, dip, and comparative thickness of the different strata and geological formations, and to examine with care all the beds, veins, and other deposits of ores, coals, clays, marls, peat, and other mineral substances, as well as the fossil remains of the different formations. He entered on his labours in the field the last day of June 1869, at Cheyenne, Wyoming Territory. His route was through Denver, the silver- and gold-mining region of Georgetown and Central City, the Middle Park, Colorado City, and Fort Union to Santa Fé, returning through the San-Luis valley and South Park to Denver. The exploration, though brief and rapid, was eminently successful; and the collections in geology, mineralogy, botany, and zoology were extensive. His preliminary report bears date October 15th. It is accompanied by two other reports made to him by his assistants—one on mines and mining, the other on agriculture. These papers, the Secretary of the Interior remarks, are valuable contributions to our knowledge of the subjects they embrace, and merit careful perusal; and certainly we fully agree with him, even if we take this Field-report of Colorado and New Mexico by itself; and their value is more fully seen when studied together with Dr. Hayden's Report on the Exploration of the Yellowstone and Missouri Rivers, and other reports on Kansas, Nebraska, &c., by United-States geologists.

The Colorado Territory, between 37° and 41° N. lat. and 102° and 109° W. long., almost equally divided into highlands, on both slopes of the Rocky Mountains (reaching 13,000 feet above the sea), and

1870. "1. Preliminary field-report of the United-States Geological Survey of Colorado and New Mexico, conducted, under the authority of the Secretary of the Interior, by F. V. Hayden, United-States Geologist. With a report on the mines and minerals of Colorado," *The Annals and magazine of natural history; zoology, botany, and geology* 6, 483–483.

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