

SCIENCE

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FRIDAY, AUGUST 17, 1900.

WORK OF THE U. S. GEOLOGICAL SURVEY,
1899-1900.*

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Appropriations.—The appropriations for the U. S. Geological Survey for the fiscal year 1899-1900 amounted initially to the sum of \$817,190. During the winter of 1900 additional appropriations were made for special purposes, making the total amount available for the year \$889,740.89. For the fiscal year 1900-1901 the appropriations passed by the last Congress amount to \$969,690, there having been important increases in response to public demand for work. The Division of Mineral Resources receives an advance of \$20,000, raising its appropriation to \$50,000; the Division of Hydrography receives \$100,000 in lieu of \$50,000 last year, and the demand for geologic work is recognized by an increase of that appropriation from \$110,000 to \$150,000.

Topographic Work.—The federal appropriation for topographic work remained the same as during the past year, namely \$240,000, except that there was a considerable increase for the Alaskan surveys, the amount available for geologic and topographic investigations being \$60,000. The list of states co-operating was increased by the addition of Ohio, the legislature having provided \$25,000 for topographic mapping.

From the appropriation for surveying the forest reserves an allotment of \$90,000 was

MSS. intended for publication and books, etc., intended for review should be sent to the responsible editor, Professor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

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plates, contained in Mr. Scudder's monumental work upon the Butterflies of New England.

The book is a very convenient manual for use on the part of beginners residing in New England and the Middle States, the species treated being for the most part the butterflies commonly found in these sections of our country. The instructions for collecting, rearing, and studying butterflies are brief, but most excellent.

The interest in the study of natural science is rapidly increasing, 'nature study,' so-called, having found a prominent place in the work of our common schools. Such brief compends as these, which are strictly accurate, and adapted to the wants of the ordinary teacher and pupil, are therefore certain to receive favorable attention, and more and more to attract a widening circle of readers and purchasers. The book has already proved its worth, as have all the writings of its learned author, and the issue of this second edition should be cause for congratulation alike to author and publishers.

W. J. HOLLAND.

SCIENTIFIC JOURNALS AND ARTICLES.

The Popular Science Monthly for August has for its frontispiece a portrait of Professor R. S. Woodward, President of the American Association for the Advancement of Science, while the first article, 'Rhythms and Geologic Time,' by G. K. Gilbert, is the address of the recent President of the Association. R. W. Wood describes 'The Photography of Sound Waves,' Havelock Ellis discusses 'The Psychology of Red,' Simon Newcomb continues his 'Chapters on the Stars,' and James Collier has the third of his papers on 'Colonies and the Mother Country.' Carl H. Eigenmann discusses the 'Causes of Degeneration in Blind Fishes,' stating that all indications point to use and disuse as the effective agents in moulding the eye. William Baxter, Jr., treats of 'The Evolution and Present Status of the Automobile,' and A. W. Greeley summarizes the 'Scientific Results of the Norwegian Polar Expedition.' The Departments of Discussion and Correspondence, Scientific Literature, and The Progress of Science are well filled.

Bird Lore for August opens with the first instalment of a paper on 'The Orientation of Birds,' by Capt. Gabriel Reynaud, of the French Army, who takes the ground that there is a 'sense of direction.' William Brewster contributes 'A Study of a Lincoln's Sparrow,' and Harry S. Warren treats of 'The Birds that Pass in the Night.' There are numerous notes and book notices. The Editor discusses the proposed agreement with the Millinery Merchants' Protective Association regarding the use of American birds, and Mabel Osgood Wright treats of the same subject under the reports of Audubon Societies, taking the ground that no compromise can be made, that unless all birds can be protected none should be. It is to be feared that we are, on a smaller scale, to have a repetition of the differences existing between prohibitionists and advocates of high license on the liquor question.

HERR BARTH, Leipzig, has begun the publication of a journal entitled *Zeitschrift für Tuberkulose und Heilstättwesen* edited by Professors Gerhardt Frankel and von Leiden. The first number contains a series of important articles, including contributions in French and English.

DR. J. C. ARTHUR, Purdue University, has retired, owing to ill health and pressure of work, from the position of responsible editor of the *Botanical Gazette* which he has filled for the past fourteen years. The journal is now edited by Professor John M. Coulter and Professor C. R. Barnes, with other members of the botanical staff of the University of Chicago. Professor Arthur becomes an associate editor, the other American associate editors being Professor Robert A. Harper, University of Wisconsin; Professor Volney M. Spalding, University of Michigan; Professor Roland Thaxter, Harvard University, and Professor William Trelease, Missouri Botanical Garden.

DISCUSSION AND CORRESPONDENCE.

INTERNATIONAL CATALOGUE OF SCIENTIFIC LITERATURE.

TO THE EDITOR OF SCIENCE: I am authorized by the Secretary to bring to your attention the fact that, after a number of discussions by scientific representatives of nearly all nations,