

SCIENCE

FRIDAY, FEBRUARY 16, 1912

THE GLACIERS AND GLACIATION OF
ALASKA¹

CONTENTS

<i>The Glaciers and Glaciation of Alaska:</i> PROFESSOR RALPH S. TARR	241
<i>Professor George Davidson:</i> PROFESSOR RULIFF S. HOLWAY	258
<i>Museum Extension Work in Chicago</i>	261
<i>The American Museum of Natural History</i> ..	262
<i>Scientific Notes and News</i>	264
<i>University and Educational News</i>	266
<i>Discussion and Correspondence:—</i>	
<i>Professor Jennings as a Biological Philosopher:</i> PROFESSOR WM. E. RITTER. <i>The Chestnut Tree Disease:</i> MARSDEN MANSON. <i>An Unusual Effect of a Lightning Discharge:</i> PROFESSOR A. H. PURDUE. <i>Misuse of the Term "Genotype":</i> DR. F. A. BATHER	267

Scientific Books:—

<i>Kellogg's The Animals and Man:</i> PROFESSOR M. F. GUYER. <i>Books on Aeronautics:</i> DR. W. J. HUMPHREYS. <i>Banks on Philippine Silk Culture:</i> L. O. H.	270
---	-----

Special Articles:—

<i>Fossil Holothurians:</i> DR. HUBERT LYMAN CLARK. <i>Biology of Miastor and Oligarces:</i> DR. E. P. FELT. <i>Spurred Flowers in Calceolaria:</i> PROFESSOR GEO. F. ATKINSON, ROBT. SHORE	273
---	-----

MSS. intended for publication and books, etc., intended for review should be sent to the Editor of SCIENCE, Garrison-on-Hudson, N. Y.

INTRODUCTION

NOTWITHSTANDING the great area of Alaska, the ruggedness and inaccessibility of a large part of the glaciated region, and the briefness of the period of exploration, we are already in possession of a large body of fact with regard to the glaciers and glaciation of our northern territory. The researches of Wright,² Russell,³ Reid,⁴ Gilbert,⁵ Davidson,⁶ Dall⁷ and others have given us much valuable information concerning the coastal region; and the many expeditions by Hayes,⁸ Brooks, and various other members of the United States Geological Survey⁹ have added ma-

¹ Presidential address before the Association of American Geographers, at the Washington meeting, December 29, 1911.

² Wright, G. F., "The Ice Age in North America," New York, 1891, chapter III., pp. 36-66.

³ Russell, I. C., "An Expedition to Mount St. Elias, Alaska," *Nat. Geog. Mag.*, Vol. 3, 1891, pp. 53-203; "Second Expedition to Mount St. Elias," Thirteenth Ann. Rept. U. S. Geol. Survey, pt. 2, 1892, pp. 1-91.

⁴ Reid, H. F., "Studies of Muir Glacier, Alaska," *Nat. Geog. Mag.*, Vol. 4, 1892, pp. 19-84; "Glacier Bay and its Glaciers," Sixteenth Ann. Rept. U. S. Geol. Survey, pt. 1, 1894-95, pp. 415-461.

⁵ Gilbert, G. K., "Glaciers and Glaciation," Harriman Alaska Expedition, Vol. III., New York, 1904.

⁶ Davidson, G., "The Glaciers of Alaska," Trans. and Proc. Geog. Soc. Pacific, Vol. III., Ser. II., June, 1904, 98 pp.

⁷ Dall, W. H., U. S. Coast Pilot, Pacific Coast, Part I., Alaska, 1883, Washington, D. C.

⁸ "An Expedition through the Yukon District," *Nat. Geog. Mag.*, Vol. 4, 1892, pp. 117-159.

⁹ Mainly published in annual reports, bulletins and professional papers of the U. S. Geological Survey.