

SCIENCE

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FRIDAY, JUNE 1, 1900.

THE LANGUAGE OF HAWAII.*

I.

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ENGAGED in the work of geodesy and astronomy, the author of this paper made several trips to the Hawaiian Islands. Although little attention could be given to ethnological or linguistic studies on account of professional duties, contact with the natives incidentally brought out points which seemed interesting.

Struck by the occurrence of peculiar grammatical forms, and finding unusual mental habits among the Kanakas induced by their ethical ideas, it was thought worth while to briefly note these facts. Parallels have been drawn between Polynesian and European constructions, and, as bearing on the formation of language, some incidents are related illustrating characteristic lines of thought.

Grateful acknowledgment is here made to Dr. Cyrus Adler of the Smithsonian Institution, for valuable suggestions as to the arrangement of the material.

I.—INTRODUCTION.

Geographical Limits of Languages considered.—The establishment of the Oceanic family of speech has been characterized by Max Müller as one of the most brilliant discoveries in the science of language. Both on account of the wide geographical limits involved and the scanty basis of com-

*Read before the Philosophical Society of Washington.

that has conscious respect for ascertainable facts of human nature.

The effect of the ancient misunderstanding between science and religion could not be slight. In early Greek thought what we now call science was all one with what we now call philosophy and with the intellectual side of religion. The sciences have been completely segregated from other intellectual interests, in fact, scarcely more than a century. No doubt science and religion have both gained by the separation, but it may reasonably be asked whether their going apart, is not, after all, a merely temporary expedient to enable the intellect to regain its unity upon a higher plane.

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BOOKS RECEIVED.

The Cell in Development and Inheritance. EDMUND B. WILSON. New York and London, The Macmillan Company, 1900. Pp. xxi + 483.

Lehrbuch der Zoologie. RICHARD HERTWIG. Jena, Gustav Fischer, 1900. Pp. xii + 622. 11 Mark, 50 Pf.

Catalogue of the Fossil Bryozoa in the Department of Geology, British Museum (Natural History), Volume I. *The Cretaceous Bryozoa.* J. W. GREGORY. London, The British Museum, 1899. Pp. xiv + 457 and seventeen plates.

Catalogue of the Arctiadae. SIR GEORGE F. HAMPSON. London, The British Museum, 1900. Pp. xx + 589.

A Monograph of Christmas Island, Physical Features and Geology. CHARLES W. ANDREWS. London, The British Museum, 1900. Pp. xiii + 337. A map and twenty-two plates.

Anatomie et physiologie végétales. ER. BELZUNG. Paris, Alcan, 1900. Pp. iii + 1320.

Micro-organisms and Fermentation. ALFRED JÖRGENSEN. Translated by ALEX. K. MILLER and A. E. LENNHOLM. London and New York, The Macmillan Company, 1900. Pp. vi + 318.

SCIENTIFIC JOURNALS AND ARTICLES.

THE *Journal of the Boston Society of Medical Sciences* for April opens with an abstract of the 'Histology of Acute Pneumonia,' by Joseph H. Pratt, giving a summary of the examination of fifty cases. G. B. Magrath has a preliminary study of 'The Relation of Age, Physique, and

Preliminary Training to Class Rank in Pathology,' training not unnaturally seeming to have the most marked bearing on scholarship. F. P. Denny presents a 'Report on the Examination for Diphtheria Bacilli of Cultures from Four Hundred and Seventy-five Individuals,' an important conclusion being that while such bacilli are rarely present in healthy persons, a large number may be infected by healthy individuals who *do* have the bacilli in their throats. J. H. Wright describes 'A Case of Multiple Myeloma,' and Franklin Dexter has some 'Additional Observations on the Morphology of the Digestive Tract of the Cat,' while Wm. Hallock Park gives the results of 'A Few Experiments upon the Effect of Low Temperatures and Freezing on Typhoid Bacilli,' showing that they possess great powers of endurance and that infection may be caused in spring by fecal material thrown out in winter. The final paper, by E. W. Taylor, describes a case of 'Diffuse Degeneration of the Spinal Cord.'

THE *Popular Science Monthly*, established in 1872 by Messrs. D. Appleton & Co. and Dr. E. L. Youmans, will hereafter be published by Messrs. McClure, Phillips and Company and edited by Professor J. McKeen Cattell. The table of contents for June is as follows:

Professor Wolcott Gibbs, President of the National Academy of Sciences. (Frontispiece.)

Preventive Inoculation. (1) DR. W. M. HAFFKINE.

Professor Ewart's Penycuik Experiments. (Illustrated.)

Colonies and the Mother Country. (1) JAMES COLLIER.

The Future of the Negro in the United States. PROFESSOR N. S. SHALER.

The Physical Geography of the Lands. PROFESSOR W. M. DAVIS.

The New York Botanical Garden. (Illustrated.) DR. D. T. MAC DOUGAL.

Gas and Gas Meters. (Illustrated.) HUBERT S. WYNKOOP.

The Sun's Destination. PROFESSOR HAROLD JACOBY.

A Biographical Sketch of an Infant. CHARLES DARWIN.

Correspondence: Comparative Longevity and Greatness. PROFESSOR JOSEPH JASTROW. School Reform.

Scientific Literature: Chemistry; Zoology; Botany; Anthropology.