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CONTENTS:

Certain recent Attempts to test the Nebular Hypothesis: PROFESSOR T. C. CHAMBERLIN, DR. F. R. MOULTON........................................... 201

The Illusory Dust Drift—A Curious Optical Phenomenon: PROFESSOR A. H. PIERCE............................... 203

Bafinesque's Western Mineraux, or American Annals of Knowledge and Literature: WM. J. FOX .................................................. 211

The International Catalogue of Scientific Literature. 215

The American Microscopical Society: PROFESSOR HENRY E. WARD........................................... 222

Scientific Books:—


Scientific Journals and Articles:..... 227

Societies and Academies:—

Zoological Club of the University of Chicago: DR. C. M. CHILD. The Botanical Club of Canada: H. M. A...................................................... 228

Discussion and Correspondence:—

Hermaphroditism among the Docoglossa: PROFESSOR M. A. WILLCOX........................................... 230

Some Recent Reports of Foreign Museums: F. A. L. 231

Recent Progress in the Examination of Foods and Drugs: New Plants and Drugs: Plant Constituents: DR. HENRY KRAEMER.................. 232

President's Address before the Society of Chemical Industry.................................................. 234

The Jesup North Pacific Expedition.................................................. 235

Scientific Notes and News.................................................. 236

University and Educational News.................................................. 240

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CERTAIN RECENT ATTEMPTS TO TEST THE NEBULAR HYPOTHESIS.*

It is a far cry from the glacial period to the nebular hypothesis, but yet it is not beyond the view hulloa of logic. Glacial periods have certainly been dependent on atmospheric states, whatever else may have been concerned in causing them. Surely no one will imagine glaciation in the air of the putative molten earth, nor in the warm dense atmosphere currently assigned to the early ages, nor yet in the later periods when figs and magnolias grew in Greenland. If carbon dioxide has the thermal qualities which eminent physicists assign it, continental glaciation could scarcely have occurred while it was a large constituent of the atmosphere. Now the atmosphere has, *This paper, prepared at the request of the editor of Science, is little more than an abstract of the following three papers:


II. 'An Attempt to test the Nebular Hypothesis by the Relations of Mases and Momenta,' by T. C. Chamberlin; Journal of Geology, Vol. VIII., No. 1, January-February, 1900, pp. 58-73.


By 'nebular hypothesis' the gaseous hypothesis of Laplace is always to be understood in this article. The arguments, for the greater part, apply also to all spheroidal hypotheses in convective equilibrium, whether gaseous or meteoroidal.