SCIENCE

FRIDAY, APRIL 1, 1910

CONTENTS	
The Cultural Factor in the Dental Curriculum: Professor Edward C. Kirk	481
The Problem of the Assistant Professor: Professor Guido H. Marx	488
Scientific Notes and News	497
University and Educational News	500
Discussion and Correspondence:—	500
Fracastorius, Athanasius Kircher and the Germ Theory of Disease: Dr. Fielding H. Garrison. The Lower Tertiaries of Louisiana: Dr. G. D. Harris. The Length of Service Pensions of the Carnegie Founda-	
tion: Professor Wm. Herbert Hobbs	500
Scientific Books:— Kastle on the Oxidases and other Oxygen Catalysts concerned in Biological Oxida- tion: Professor W. H. Howell. Lowell on the Evolution of Worlds: Professor CHARLES LANE POOR. Turner on Aerial Navigation of To-day: Professor A. Law-	
RENCE ROTCH	504
Scientific Journals and Articles	508
Reflections on Joly's Method of Determining the Ocean's Age: Dr. George F. Becker	509
Botanical Notes:— Recent Studies of the Fungi; Nomenclature of the Fungi; Descriptive Botany of the Flowering Plants: Professor Charles E.	
Bessey	512
Special Articles:— The Sex-determining Chromosomes in Ascaris: Professor Charles L. Edwards	514
The American Federation of the Teachers of the Mathematical and Natural Sciences:	F1 F
PROFESSOR C. R. MANN	515
mologists	516
Societies and Academies:— The Geological Society of Washington: EDSON S. BASTIN, FRANÇOIS E. MATTHES. The Biological Society of Washington: D. E. LANTZ. The American Chemical Society, New York Section: C. M. JOYCE. The Chemical Society of Washington: J. A.	

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

THE CULTURAL FACTOR IN THE DENTAL CURRICULUM 1

FIRST of all let me discharge the pleasurable duty imposed upon me by the administration of the University of Pennsylvania and its faculty of dentistry, by conveying to you their fraternal greetings and hearty congratulations upon the completion of this splendid edifice which to-day you dedicate to the purposes of education in an important specialty of the science and art of healing.

It is characteristic of the things of the mind that they are unhampered by the limitations of time or extent, that the commonwealth of intellect is without geographical boundaries or distinctions of caste, race or nationality; that the pursuit of the intellectual ideal lifts all to the level of a common brotherhood; and it is in the spirit of this larger fraternalism that I bring you the salutations and greetings of one of the oldest institutions of learning established by England in her American colonies. is by reason of our common origin as well as by reason of our common ideal that I have a peculiar pleasure in being present upon this happy occasion as the temporary mouthpiece of an elder sister institution to discuss with you briefly something of the circumstances and conditions which environ the special department of education with which we are mutually concerned, and, claiming the prerogative of an elder sister somewhat, to point out a few of the difficulties to be overcome by her younger

¹ Delivered at the dedication of the new building of the Royal College of Dental Surgeons, Toronto, December 29, 1909.