

interval can not be correlated definitely with the period of 13,500 years which, according to de Geer, is the approximate number of years ago at which the last ice-sheet started to retreat across southern Sweden; (3) that an isostatic bulge made a freshwater lake of Long Island Sound during the last glacial period; and (4) that the axis of post-glacial tilting lies in the vicinity of Hartford, the dam holding back the lake in Long Island Sound between Fisher's Island and Long Island having been submerged approximately 200 feet in post-glacial time, or tilted southward from New Haven approximately eight feet to the mile.

Sixteen New England colleges and institutions, as well as the United States Geological Survey, were represented on the excursion. The list of institutions is Amherst (1), Brown (2), Clark (2), Colby (1), Dartmouth (1), Hartford High (2), Harvard (2), Massachusetts Agricultural (1), Mount Holyoke (3), Smith (6), Springfield Schools (1), Trinity (1), University of Stockholm (1), University of Vermont (1), United States Geological Survey (1), Wesleyan (2), Williams (5), Yale (7), unattached (1). The total attendance was, therefore, 41.

LECTURES OF THE LOWELL INSTITUTE

AMONG seven courses of Lowell lectures to be given during the present season are the following:

A course of eight lectures by Harlow Shapley, Ph.D., Paine professor of astronomy at Harvard University and director of the Harvard College Observatory, on "The Content and Structure of the Sidereal Universe." 1. The Problems of Modern Astronomy. 2. Space, Time and Starlight. 3. Stars and Atoms. 4. Stellar Variation and Evolution. 5. Measuring the Milky Way. 6. Nebulae and Island Universes. 7. Origin of the Earth. 8. Life and the Physical Universe. Tuesdays and Fridays at 8 o'clock in the evening, beginning Tuesday, October 24.

A course of eight lectures by Edwin Grant Conklin, Ph.D., Sc.D., professor of biology in Princeton University, on "The Revolt against Darwinism." 1. Evolution, Historical and Ex-

perimental. 2. The Materials of Evolution. 3. The Rôle of Selection in Species Formation. 4. The Cellular Basis of Heredity. 5. The Cellular Basis of Development and Evolution. 6. Directions and Rates of Evolution. 7. The Mechanism of Adaptation. 8. Mechanism and Teleology. Wednesdays and Mondays at 8 o'clock in the evening, beginning on Wednesday, November 22, and omitting Wednesday, November 29.

A course of six lectures by A. Hamilton Rice, A.M., M.D., on "Journeys and Explorations in Tropical South America." 1. Physical Outlines of South America. Desiderata in Exploration. Some Notes on South American Hydrography. 2. Historical. Quito to the Amazons by the River Napo, the Route of Pizarro and Orellana. Caracas to Bogota by the Route of Bolivar and the Foreign Legion across the Venezuelan Llanos and the Colombian Andes. 3. Bogota and Exploration of the River Calaro-Uaupes, the Great West Affluent of the Rio Negro. 4. Further Explorations of the N. W. Amazons Valley, including the Sources of the Caqueta and the Rivers Inirida and Icana. 5. The Great Rio Negro (Amazons). 6. The Casiquiare Canal and the Upper Orinoco. Fridays and Tuesdays at five o'clock in the afternoon, beginning on Friday, December 1.

A course of six lectures by W. J. V. Osterhout, Ph.D., professor of botany, Harvard University, on "The Nature of Life and Death." 1. Growth. 2. Reproduction and Motion. 3. Irritability. 4. Constructive Metabolism. 5. Destructive Metabolism. 6. Permeability. Thursdays and Mondays at 8 o'clock in the evening, beginning on Thursday, January 4.

INSTALLATION OF THE CHANCELLOR OF THE UNIVERSITY OF BUFFALO

DR. SAMUEL PAUL CAPEN, director of the American Council on Education since its organization in 1919, resigns this month to become chancellor of the University of Buffalo. This institution more than a year ago conducted an endowment fund campaign in which 26,000 citizens contributed more than \$5,000,000. Dr.