

health officials and the opportunities for using such training." Dr. John A. Ferrell, International Health Board, Rockefeller Foundation.

THE LANE MEDICAL LECTURES OF STANFORD UNIVERSITY

Dr. L. EMMETT HOLT, emeritus professor of pediatrics of the College of Physicians and Surgeons of Columbia University, will deliver the Lane Medical Lectures in the Stanford University Medical School, San Francisco, from December 5 to 10. The lectures will take place daily at 8 P. M. The topics will be as follows:

- I. The general subject of nutrition—its importance in relation to health and growth, to progress in school, to resistance to infection and in the management of acute and chronic disease.
- II. The food requirements of the healthy child after infancy.
- III. The function in diet of fat, protein, carbohydrate and mineral salts, and the conditions which determine the amounts needed.
- IV. Vitamines—Their function in nutrition and the new point of view which they have given regarding food values.
- V. The practical problem of improving the nutrition of children including the prevention and treatment of malnutrition.

Dr. Holt will also give a clinic on children's diseases on Wednesday, December 7, at 11:30 A.M., at the Medical School.

THE TORONTO MEETING OF THE AMERICAN SOCIETY OF NATURALISTS

THE thirty-ninth annual meeting of the American Society of Naturalists will be held in Toronto, Canada, on Thursday, December 29, 1921, under the auspices of the University of Toronto.

Headquarters of the society will be the King Edward Hotel, 37-55 East King Street, where the American Society of Zoologists and the Botanical Society of America will also have headquarters. Members desiring accommodations at headquarters should make reservations early. Accommodations may also be obtained at other hotels and probably also at the dormitories of the university and near-by

fraternity houses. Information concerning these accommodations will be given later in *SCIENCE* or in the final announcement in December.

On Thursday forenoon a limited number of short papers by members and invited guests will be given. Members desiring to present papers should send the titles to the secretary not later than November 24, giving estimated time of delivery, and requirements of lantern, charts, blackboard space, etc. It should be remembered that the primary interest of the society, as expressed in resolutions, is in evolution in its broadest sense.

Thursday afternoon is to be devoted to the annual symposium. The general subject in 1921 is "The Origin of Variations," and the following speakers have been secured:

H. S. Jennings—Variation in Uniparental Reproduction.

A. F. Blakeslee—Variations in *Datura* due to Changes in Chromosome Number.

H. J. Muller—Variation due to Change in Individual Genes.

C. B. Bridges—The Origin of Variations in Sexual and Sex-Limited Characters.

R. A. Emerson—The Nature of Bud Variations as Indicated by the Mode of their Inheritance.

M. F. Guyer—Serological Reactions as a Probable Cause of Variations.

The naturalists' dinner will be given on Thursday evening. The annual address of the president will follow.

The American Association and most of the affiliated societies will meet in Toronto. Attention is called to cooperation of the naturalists with the Botanical Society of America and the American Society of Zoologists, whereby the latter two societies list their papers on subjects of greatest interest to the naturalists on the day preceding the naturalists' program.

Section G (Botany) of the American Association will present on Wednesday afternoon a symposium on the "Utility of the Species Concept," in which the speakers are Charles F. Mills, George H. Shull, R. A. Harper, Guilford B. Reed, and E. C. Stakman.

The American Society of Zoologists has ar-

ranged a symposium on "Orthogenesis," to be participated in by L. J. Henderson, C. B. Lipman, M. F. Guyer, William Bateson, W. M. Wheeler and H. F. Osborn. This symposium will be given on Friday, possibly beginning in the forenoon.

A. FRANKLIN SHULL, *Secretary*
UNIVERSITY OF MICHIGAN,
ANN ARBOR, MICHIGAN

SCIENTIFIC NOTES AND NEWS

DR. HARLOW SHAPLEY, formerly of the Mount Wilson Solar Observatory, has been appointed director of the Harvard College Observatory in succession to the late Edward C. Pickering.

DR. JOEL STEBBINS has been appointed director of the Washburn Observatory and professor of astronomy at the University of Wisconsin, beginning on July 1, 1922, to succeed Professor George C. Comstock, who has been director of the observatory since 1889 and has reached the age of retirement. Professor Comstock will carry on his work as director of the observatory during the present academic year, while Dr. Stebbins will act as non-resident professor of astronomy. Dr. Stebbins has been a member of the department of astronomy at the University of Illinois since 1903 and director of the observatory since 1913. Professor Comstock has been a member of the Wisconsin faculty since 1887 and, besides being director of Washburn Observatory for 32 years, was dean of the Wisconsin Graduate School from 1906 to 1920.

DR. EDGAR F. SMITH, provost emeritus of the University of Pennsylvania, has been elected an honorary member of the French Society of Chemical Industry, and also an honorary member of the Chemical, Metallurgical and Mining Society of South Africa.

WILFRID KILIAN, professor of geology in the University of Grenoble in the Dauphiné, France, has been awarded the Gaudry gold medal, the highest distinction of the Société Géologique de France.

At the opening of the annual meeting of the French Society of Chemical Industry on

October 10, the Dumas medal of the society and an illuminated address were presented by M. Dior, minister of commerce, to Sir William J. Pope.

DR. HIKO MATSUMOTO, who until a few weeks ago was studying the Fayûm collection of Proboscidea in the American Museum, recently received the prize of the Imperial Institution of Science and Literature of Japan.

THE French Geological Society met, from September 14 to 20, in Savoie, under the presidency of M. G. Révil and with the assistance of MM. Morel, Le Roux and Kilian. A number of excursions were made.

At its 1921 meeting in New Orleans, the American Pharmaceutical Association awarded the 1921-22 grant from the A.Ph.A. Research Fund to Dr. David I. Macht, of Johns Hopkins University, for pharmacological work on the benzyl compounds found in certain galenicals. The first grant made in 1919 was awarded to Dr. George D. Beal, of the University of Illinois, for work on alkaloidal assays, while the 1920 award was made jointly to Dr. Heber W. Youngken, of the Philadelphia College of Pharmacy and Sciences, for work on aconite varieties and Dr. E. Kremers and Miss Lila Winkelblech, of the school of pharmacy of the University of Wisconsin, for work on derivatives of guaia-col.

DR. KIRTLEY F. MATHER, professor of geology at Denison University, Granville, Ohio, lectured before the Geographical Society of Chicago on October 28. His subject was "Andine trails and jungle streams, the search for oil in Bolivia." Dr. Mather spent the greater part of the year 1920 in exploration along the eastern front of the Andes in the central portion of South America. On his return he resumed his work at Denison University.

PROFESSOR E. J. COHEN, of the University of Utrecht, Holland, was at the Ohio State University for nine days in the early part of October. During this time he delivered three lectures on piezochemistry, two on the