

SCIENCE

VOL. 77

FRIDAY, MARCH 17, 1933

No. 1994

In Honor of Professor Einstein:

<i>Greeting on Behalf of American Scientists:</i> PRESIDENT KARL T. COMPTON	271
<i>Address on "The Cosmic Parade":</i> DR. HARLOW SHAPLEY	272
<i>Address by Professor Einstein</i>	274

Obituary:

<i>Olive S. Lammert:</i> PROFESSOR MARY LANDON SAGUE. <i>Recent Deaths</i>	275
--	-----

Scientific Events:

<i>Boulder Canyon Lake Wild Life Refuge; The Museums of Archeology and Geology at the University of Kentucky; Requirements for the License of Medical Students in New York State; The New Mexico Meeting of the Southwestern Division of the American Association for the Advancement of Science</i>	276
<i>Scientific Notes and News</i>	278

Discussion:

<i>Nature Sanctuaries—a Means of Saving Natural Biotic Communities:</i> DR. VICTOR E. SHELFORD. <i>The Water Content of Medusae:</i> PROFESSOR ROSS AIKEN GORTNER. <i>The Physiological Basis of the Twisting Habit in Plant Growth:</i> C. P. HASKINS and C. N. MOORE. <i>An Unusual Cretaceous Cirriped:</i> DR. H. A. PILSBRY. <i>Stream Double Refraction Exhibited by Juice from Both Healthy and Mosaic Tobacco Plants:</i> DR. WILLIAM N. TAKAHASHI and DR. T. E. RAWLINS	281
--	-----

Scientific Books:

<i>Sinnott and Dunn's Principles of Genetics and Sansome and Philp's Recent Advances in Plant Genetics:</i> DR. ALBERT F. BLAKESLEE	284
---	-----

Special Correspondence:

<i>The Sixth Mendeleev Congress at Kharkov:</i> DR. VICTOR COFMAN	286
---	-----

Scientific Apparatus and Laboratory Methods:

<i>Improving the Staining Action of Iron Haematoxylin:</i> DR. ROBERT T. HANCE. <i>A Device for Mounting Anatomical Preparations:</i> H. W. SCHOENBORN and DR. C. P. HICKMAN	287
--	-----

Special Articles:

<i>The Particle Size of the Virus of Equine Encephalomyelitis:</i> PROFESSOR A. P. KRUEGER, B. HOWITT and VIRGINIA ZEILOR. <i>A New Process for the Synthesis of Phenanthrene and of Phenanthrene Derivatives:</i> PROFESSOR MARSTON TAYLOR BOGERT. <i>The Formation of Semi-transparent Membranes from Cultures of Slime-producing Micro-organisms:</i> DR. J. R. SANBORN	288
<i>Science News</i>	8

SCIENCE: A Weekly Journal devoted to the Advancement of Science, edited by J. MCKEEN CATTELL and published every Friday by

THE SCIENCE PRESS

New York City: Grand Central Terminal
Lancaster, Pa. Garrison, N. Y.
Annual Subscription, \$6.00 Single Copies, 15 Cts.

SCIENCE is the official organ of the American Association for the Advancement of Science. Information regarding membership in the Association may be secured from the office of the permanent secretary, in the Smithsonian Institution Building, Washington, D. C.

IN HONOR OF PROFESSOR EINSTEIN¹

GREETING ON BEHALF OF AMERICAN SCIENTISTS BY DR. KARL T. COMPTON, PRESIDENT OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

It is a pleasure for me to have the privilege of greeting Professor Einstein on behalf of American scientists. There is first the pleasure of renewing a personal contact made with Professor Einstein on the occasion of his first visit to America shortly after the war, when he delivered a series of lectures on relativity at Princeton University. Going farther back, there is a second personal connection which Professor

Einstein knows nothing about, but which I venture to say has been duplicated by many of my fellow American scientists in some such way as the following.

Some years ago, when my fiancée was debating with herself as to whether she was doing wisely in joining me in the great adventure, we were being entertained in the home of her most admired and respected friend, the pastor of her Methodist church. After dinner this man, who was by nature a poet rather than a scientist, asked me to explain to him in simple language Einstein's theory of relativity, and listened with apparently absorbed interest to my efforts to present this in non-technical language. The next morning he said to my fiancée, "I approve of your young man in all but one respect: he has no sense of humor. I asked him to explain to me Einstein's theory of relativity and he really tried to do it. You are taking a long chance in marrying a man who has no sense of humor." So I suspect every American physicist or mathematician has at one time or another been in a quandary as to whether he should engage upon the hopeless task of an attempted explanation, or whether he should find wisdom in cowardice by stating that he

¹ Address at a dinner under the auspices of the American Friends of the Hebrew University in Palestine, given at the Hotel Commodore, New York City, on March 15. Besides Professor Einstein, Dr. Compton and Dr. Shapley, the speakers included Dr. O. C. Kiep, German consul general; Dr. Solomon Lowenstein, executive director of the Federation for the Support of Jewish Philanthropic Societies in New York City; James Marshall, a vice-president of the American Friends of the Hebrew University in Palestine, and Dr. Nathan Ratnoff, director of Beth Israel Hospital, in New York City. Sol M. Stroock, chairman of the board of the Jewish Theological Seminary, presided. Professor Einstein spoke in German, his address being translated at its close.

BOSTON UNIVERSITY SCHOOL OF MEDICINE

ORGANIZED IN 1873

ANNOUNCEMENT

may be obtained by application to

THE REGISTRAR

80 East Concord Street

Boston

Massachusetts

THE WISTAR INSTITUTE BIBLIOGRAPHIC SERVICE

ISSUES

AUTHORS' ABSTRACTS

of all papers appearing in the journals listed below prior to publication of the articles in full. By this advance information biologists may familiarize themselves with *contemporary research* in a minimum of time.

Advance Abstract Sheets are issued twice a month, each sheet containing ten or more authors' abstracts. Subscription rate is \$3.00 per year.

Bibliographic Service Cards, following the Advance Abstract Sheets, also are issued twice a month. In addition to the authors' abstracts, the cards provide subject headings and complete bibliographic reference. The cards are convenient for filing and library records. Price, \$5.00 per year.

At regular intervals the authors' abstracts are assembled and published in book form with complete authors' and analytical subject indices. Price, \$5.00 per volume. Liberal discount to subscribers to the Bibliographic Service Cards.

JOURNAL OF MORPHOLOGY
THE JOURNAL OF COMPARATIVE NEUROLOGY
THE AMERICAN JOURNAL OF ANATOMY
THE ANATOMICAL RECORD
THE JOURNAL OF EXPERIMENTAL ZOOLOGY
AMERICAN ANATOMICAL MEMOIRS
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY
JOURNAL OF CELLULAR AND COMPARATIVE PHYSIOLOGY
FOLIA ANATOMICA JAPONICA (Tokyo, Japan)
PHYSIOLOGICAL ZOOLOGY (Chicago, Illinois)
STAIN TECHNOLOGY (Geneva, New York)
ECOLOGICAL MONOGRAPHS (Durham, North Carolina)

The Wistar Institute of Anatomy and Biology
Philadelphia, Pa., U. S. A.

THE CENTURY EARTH SCIENCE SERIES

EDITED BY

KIRTLEY F. MATHER,
Ph.D.

HARVARD UNIVERSITY

EARTH HISTORY

By

LUTHER C. SNIDER, Ph.D.
Consulting Geologist

A Rare Volume

"A rare volume which takes the reader out of the closely pressing details and complexities of modern life and gives him the opportunity to gain an understanding of the present and an appraisal of the future of the Earth and its inhabitants."—W. T. Thom, Jr., Princeton University.

A Step in Advance

"The history treatment is excellent. The book is unique in its treatment and I think it is a distinct step in advance."—W. H. Haas, Northwestern University.

Distinctive—Refreshing

"This volume is the most distinctive textbook in the field of general geology which has appeared in decades. Its unique organization is distinctly refreshing."—George B. Cressey, Syracuse University.

Will Arouse and Hold Interest

"While the treatment of the subject is rather novel, I think that it is one which will arouse and hold the interest of the student in the science of geology to a much greater extent than the usual manner in which the subject is approached in college textbooks."—Charles R. Fetteke, Carnegie Institute of Technology.

Other Comments

"I am enthusiastic over the possibilities of *Earth History*."—Carey Croneis, University of Chicago.

"I consider the book one of the notable contributions to geologic literature."—Thomas M. Hills, Vassar College.

Royal 8vo, 675 pages. Illustrated. \$4.50

THE CENTURY CO.

353 Fourth Avenue

New York, N. Y.