

To his many graduate students Professor Schuchert was a foster-father and a friend, stimulating, encouraging and inspiring, both by his spoken word and by living example. He had learned the hard way, and he instilled in others a respect for hard work and a devotion to high ideals.

He was a member of many learned societies and the recipient of the highest honors his science could bestow. He was a member of the American Philosophical Society, of the National Academy of Sciences and of the Academy of Natural Sciences of Philadelphia; a fellow of the Geological Society of America and of the Paleontological Society; honorary member of the American Association of Petroleum Geologists; and a member or fellow of more than a dozen foreign societies. In 1929 he received the Hayden Gold Medal of the Academy of Natural Sciences at Philadelphia, and in 1934 he was awarded the Thompson Gold Medal of the National Academy of Sciences and the Penrose Gold Medal of the Geological Society of America. But perhaps the crowning achievement for one whom early adversity had denied so much as a high-school education, was to receive honorary degrees from New York University and Yale and Harvard.

CARL O. DUNBAR

#### RECENT DEATHS

ARTHUR LIVINGSTONE KIMBALL, research physicist and consulting engineer for the General Electric Com-

pany, Schenectady, N. Y., died on March 20 at the age of fifty-seven years.

DR. TRACY ELLIOT HAZEN, associate professor of botany, retired, at Barnard College, Columbia University, died on March 16 in his sixty-ninth year.

CHRISTIAN H. STOELTING, president of C. H. Stoelting and Company, Chicago, a former president of the Scientific Apparatus Makers of America, died on March 18 at the age of seventy-eight years.

THE death in his sixty-sixth year is announced on March 22 of Dr. Harry Louis Dember, visiting professor of physics at Rutgers University, formerly professor of physics and dean of the department of mathematics and physics at the Polytechnicum at Dresden.

THE *Journal* of the American Medical Association reports that special memorial services were held recently in Amasa Stone Chapel of Western Reserve University, Cleveland, for Dr. George W. Crile, who died on January 7. The speakers included Brigadier General Fred W. Rankin, Lexington, Ky., M.C., U. S. Army, president of the American Medical Association; Dr. Irvin Abell, Louisville, Ky., president of the American College of Surgeons; Dr. William E. Wickenden, president of the Case School of Applied Science and a director of the Cleveland Clinic Foundation, of which Dr. Crile was a co-founder, and Dr. Winfred G. Leutner, president of Western Reserve University.

## SCIENTIFIC EVENTS

### A NEW SEISMOGRAPH IN MEXICO

THE Mexican Ambassador to the United States of America announces that the State Government of Puebla, Mexico, headed by Dr. Gonzalo Bautista, has acquired an excellent Benioff vertical-component seismograph, to be installed at the National Astrophysical Observatory at Tonantzintla, State of Puebla. This instrument is now *en route* to Mexico.

The purchase of this modern seismograph was made from the National Research Council of Washington, D. C., through Dr. Harlow Shapley, director of the Harvard College Observatory, who made the necessary arrangements, in which the State Government of Puebla was represented by the Mexican Embassy in Washington.

The new seismograph is identical with the one installed in the Harvard Seismological Station; it is of the latest model available and is a valuable addition to scientific investigation in Mexico, since in the future the slightest microseisms will be recorded with absolute precision from Tonantzintla.

The close collaboration between the investigators of

both countries is further strengthened by this purchase, and constitutes new evidence of the friendly ties uniting the peoples and the Governments of Mexico and the United States of America.

### THE REPUBLICATION OF TECHNICAL BOOKS OF AXIS ORIGIN<sup>1</sup>

LEO T. CROWLEY, Alien Property Custodian, announced on March 24 that four hundred titles of individual technical books and sets of books of Axis origin are available for republication in furtherance of the war effort. Their titles were suggested by leading American scientists and librarians. Included among the titles are volumes on aviation, medicine, gas warfare, oceanography, physics, chemistry and other technical subjects.

Copyright interests in these works will be vested in the custodian for the purpose of having them republished as an aid to scientific research allied with the war effort. The custodian will seek reproduction and distribution of such works through normal pub-

<sup>1</sup> Statement received from the Office of War Information.

lishing channels by American publishers under licenses to be granted on May 1.

To encourage immediate republication and assure the widest possible use of scientific works, licenses will be granted on a non-exclusive basis for a five-year period. They will be royalty-free until all original costs incidental to republication have been recovered and then will bear a royalty of 15 per cent. of the list price of the works.

Licenses for republication will be granted to the publisher making the books available to the public in the shortest period of time and at the lowest list price. Information pertaining to requests for publication of each title will be made available to the publisher licensed to reproduce each work.

In many cases books with a very limited market are nevertheless of the greatest value in certain technical fields. In order to insure the most complete opportunity for prompt exploitation of the works after a license has been granted, no further license will be granted for a period of six months. Under similar licenses many sets of war-urgent scientific works aggregating approximately two hundred and fifty volumes are now being published.

It is hoped that the exploratory work done by the custodian will be of material assistance in securing immediate republication of those works most essential in the war effort. The exploratory work will be continued for such time as it may be of assistance in obtaining reproduction of such works. Copies of the listings of works are available at the Office of the Alien Property Custodian, Washington, together with a detailed statement of the policy which will be followed.

#### RARE CHEMICALS

THE following chemicals are wanted by the National Registry of Rare Chemicals, Armour Research Foundation, 33rd, Dearborn and Federal Streets, Chicago, Ill.:

1. Sodium Saccharate
2. 4-methoxy-2-butanone
3. p-amino phenyl stibonate of sodium
4. Avelina Rosada (So. American drug)
5. Solanocapsine
6. Solanocapsidine
7. Alpha chloro butyric acid
8. Chloro pentonoic acid
9. Sodium Iodoacetate
10. 2-amino-heptane sulfate
11. Disodium phenyl phosphate
12. Gallium
13. Rubidium
14. Cesium
15. b-hydroxy glutamic acid
16. Alcohols or mercaptans of the aliphatic series having 20 or more carbons in the molecule

#### THE SOCIETY OF THE SIGMA XI

DR. HARLOW SHAPLEY, director of the Harvard College Observatory, president of the American Association of Arts and Sciences, has been elected president of the Society of the Sigma Xi, the national honorary society for the promotion of research in science.

Dr. C. Frederick Hansen, vice-president and trustee of the Grant Foundation, director of research and planning of the W. T. Grant Company, has been elected a member of the Alumni Committee for a period of five years.

Dr. Carleton C. Murdock, professor of physics at Cornell University, has been named a member of the executive committee for the same term.

The other officers of the society are:

Dr. George A. Baitzell, of Yale University, *Secretary*; Dr. George B. Pegram, of Columbia University, *Treasurer*; Dr. Carl D. Anderson, California Institute of Technology; Dr. Harvey E. Jordan, University of Virginia; Colonel C. E. Davies, American Society of Mechanical Engineers; Dr. Fernandus Payne, Indiana University; Dean Edward Ellery, Union University, all members of the *Executive Committee*; and Dr. James R. Angell, National Broadcasting Company; John C. Parker, vice-president, Consolidated Edison Company of New York; Dr. A. Elizabeth Adams, Mt. Holyoke College, and Dr. Paul R. Heyl, National Bureau of Standards, all members of the *Alumni Committee*.

A new chapter was installed at the Polytechnic Institute of Brooklyn on March 25, with Dr. Shapley and Dr. Baitzell as the installing officers. Dr. Saul Dushman, assistant director of the Research Laboratories of General Electric Company, spoke at the dinner in the evening.

A new Sigma Xi chapter at Tufts College at Medford, Mass., was installed on April 2. After a convocation in the morning and formal installation ceremonies in the afternoon, there was a dinner, followed by the installation address on "The Mathematical Nature of Modern Physical Theories," by Dr. George David Birkhoff, Perkins professor of mathematics, Harvard University.

The Radcliffe College Chapter will be formally installed on Thursday, April 15. The installation address will be made by Dr. S. Gaposchkin, of the department of astronomy, Harvard University.

Sigma Xi was founded in 1886 at Cornell University by a small group of graduates in science. Only those who have carried on original and independent investigation are eligible to membership.

Sigma Xi is now established in one hundred and twenty-five principal universities and cities throughout the country. This organization includes in its membership a large percentage of the scientific workers in all branches of natural science. The total mem-