

ber of the Executive Committee of the American Association of Anatomists. That his various contributions to science were highly regarded by his fellow anatomists is evidenced by the fact that he was recently chosen as one of the ten anatomists to be added to the "starred" group in "American Men of Science."

Dr. Atwell's work as a teacher and administrator at the University of Buffalo made him one of the most admired, respected and beloved members of its faculty. As a teacher he had few equals; as an administrator he displayed rare tact and skill; and as a friend and counselor he won the regard and affection of his students and colleagues alike. His home, with Mrs. Atwell as a charming and gracious hostess, was often the scene of friendly informal social gatherings of his departmental staff or other faculty colleagues. His enthusiasm for and enjoyment of the out-of-doors will long be recalled by his fortunate companions on picnics, collecting jaunts, and canoeing and camping trips. In the several honorary and social fraternities of which he was a valued member, in his church, to which he gave freely of his time and efforts, and in the suburban community in which he lived, his loss will be keenly felt. His own life was rich in accomplishment and made happy by a wide variety of interests, and he left

an inestimable number of others the richer for his association with them as teacher and friend.

R. R. HUMPHREY

UNIVERSITY OF BUFFALO

### RECENT DEATHS

DR. OTIS ELLIS HOVEY, consulting civil engineer of New York City, died on April 15 at the age of seventy-seven years.

DR. CHARLES RUSS RICHARDS, president emeritus of Lehigh University, previously dean of the College of Engineering of the University of Illinois, died on April 17. He was seventy years old.

DR. FRED KUHLMANN, chief of the Division of Research of the Minnesota State Department of Public Institutions, died on April 19 at the age of sixty-five years.

*Nature* announces the following deaths: Dr. C. R. M. F. Cruttwell, formerly principal of Hertford College, Oxford, on March 17, aged fifty-three years; J. P. Gilmour, from 1916 to 1933 editor of the *Pharmaceutical Journal*, on March 10, aged eighty years, and E. L. Ince, lecturer in technical mathematics at the University of Edinburgh, on March 16, aged forty-nine years.

## SCIENTIFIC EVENTS

### THE PERMANENT SCIENCE FUND OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES

INCOME from the Permanent Science Fund, according to agreement and declaration of trust, shall be applied by the American Academy of Arts and Sciences to such scientific research as shall be selected. Applications for grants under this trust are considered by the committee of the academy on stated dates. To be considered at the next meeting of the committee, applications must be in the hands of the chairman of the committee, Professor John W. M. Bunker, Massachusetts Institute of Technology, Cambridge, Mass., on or before October 1.

Grants in aid from this fund were authorized by the academy on March 12, 1941, as follows:

Robert B. Dean, junior instructor, University of Minnesota, for the study of bimolecular films, \$200.

Dr. Nicholas T. Werthessen, Endocrine Laboratory, Boston Dispensary, for assistance in the study of ovarian disfunctions, \$720.

Graham P. DuShane, instructor in zoology, University of Chicago, for assistance in the investigation of reflexes through isolated motor cells, \$400.

Donald D. Brand, professor of anthropo-geography, University of New Mexico, for materials and field expenses of an archeologic study of the occupation sequence in the middle Rio Balsas area, Guerrero and Michoacan, Mexico, \$405.

Charles B. Davenport, retired, of the Carnegie Institution of Washington at Cold Spring Harbor, for assistance in completing the analysis of certain biometrical studies on children, \$200.

Joseph S. Butts, professor of biochemistry, Oregon State College, for expendable materials and for assistance in continuing his study of the Intermediary Metabolism of Amino Acids, \$350.

Paul A. Vestal, research curator, Botanical Museum, Harvard University, for expendable materials, assistance, and certain field expenses, in connection with an ethnologic study in the economic botany of the Ramah-Atarque Navaho Indians, \$300.

George W. Kidder, assistant professor of biology, Brown University, for assistance in studies of substances produced by living cells which accelerate or inhibit the proliferation of other cells, \$450.

Barry Commoner, tutor, department of biology, Queens College, Flushing, N. Y., for equipment to permit continuation of a biochemical investigation of the relation between auxin, respiratory mechanisms and growth in plant cells, \$350.

Vincent G. Dethier, instructor in biology, John Carroll University, Cleveland, Ohio, toward expenses of a study of the chemistry of food plants chosen by larvae of certain species of *Chrysophanus* in North America, \$200.

Margaret Harwood, director, Maria Mitchell Observatory, Nantucket, Mass., for assistance in a study of the form and motions of Eros, \$400.

Frederick Johnson, curator, Robert S. Peabody Founda-

tion for Archeology, Andover, Mass., toward the cost of publication of the data from collaborative studies upon the Boylston Street Fishwier [the remainder of the cost having been secured elsewhere], \$300.

Philip M. Morse and Julius A. Stratton, professor and associate professor of physics, respectively, the Massachusetts Institute of Technology, for assistance in completing the calculation of tables of functions involved in the theory of wave radiation and scattering, \$450.

Leigh Hoadley, professor of zoology, Harvard University, for assistance in the study of nerve processes arising from isolated portions of the embryonic brain, and the differentiated tissues into which the processes lead, \$150.

#### ALUMNI LECTURES AT THE UNIVERSITY OF CINCINNATI

DR. A. J. CARLSON, of the University of Chicago, in his excellent address "Science *versus* Life," the nineteenth annual Sigma Xi lecture in Philadelphia on December 30 last,<sup>1</sup> mentions that the universities are quite generally lax in arranging for advanced science lectures to be offered to their graduates in "Alumni Go Back to College" courses. The department of chemical engineering of the University of Cincinnati is at least one faculty which has arranged for a series of free talks, "Recent Trends in Chemical Engineering," to be given at monthly intervals, only to their alumni. Half the evenings are devoted to lectures by the faculty, the others by their own alumni who have become distinguished in some field of chemical engineering.

"Industrial Bacteriology," October 16, Dr. H. S. Greene, associate professor of chemical engineering, University of Cincinnati.

"Food Technology," November 14: (a) "Evolution of the Modern Bake Oven," Michael J. Colacurecio, assistant superintendent, Strietman Biscuit Co., Cincinnati. (b) "Some Phases," George Garnatz, chief of staff, Kroger Food Foundation, Cincinnati.

"Physical Chemistry," December 9, Dr. E. F. Farnau, professor of physical chemistry, University of Cincinnati.

"Industrial Colloids," January 16: (a) "Synthetic Sudsing, Detergent and Wetting Agents," W. F. Schanzle, Procter and Gamble, Cincinnati. (b) "Glues," Clark B. Rose, plant engineer and director of research, Chemical Products Corporation, Cincinnati. (c) "Rubber Technology," Joseph Rochoff, head of laboratories, Dayton Rubber Manufacturing Company, Dayton.

"Metallurgy," February 26, Dr. R. O. McDuffie, associate professor of metallurgy, University of Cincinnati.

"Paper Technology," March 18: (a) "Technical Development of Coated Paper," Alex J. Wildman, research engineer, Champion Paper and Fibre Company, Hamilton, Ohio. (b) "Twenty Years of Progress in the

Technology of Uncoated Paper," Daniel Fuentes, control chemist, Champion Paper and Fibre Company.

An inexpensive dinner get-together precedes each talk. This year, the first in which the plan was adopted, practically 30 per cent. of the alumni within twenty-five miles of Cincinnati attended the talks which have been given so far. So much enthusiasm has been aroused that a similar series of lectures is already planned for next year. The advantages to both the alumni and faculty are so obvious that they need not be stated.

S. B. ARENSON

#### AWARDS IN THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

PROFESSOR W. D. CAIRNS, secretary-treasurer of the Mathematical Association of America, has announced that the department of mathematics of Brooklyn College has won the first prize of \$500 in the fourth annual William Lowell Putnam Mathematical Competition. The members of the winning team were Richard Bellman, Peter Chiarulli, Hyman Zimmerberg. The second prize of \$300 is awarded to the department of mathematics of the University of Pennsylvania, the members of whose team were S. I. Askovitz, Hyman Kamel, P. C. Rosenbloom. The third prize of \$200 is awarded to the department of mathematics of the Massachusetts Institute of Technology, the members of the team being J. R. R. Baumberger, Eugene Calabi, W. S. Loud.

In addition to these prizes to the departments of mathematics with winning teams, a prize of \$50 each is awarded to the following five persons whose scores ranked highest in the six-hour examination (the names are arranged in alphabetical order): R. F. Arens, University of California at Los Angeles; S. I. Askovitz, University of Pennsylvania; A. M. Gleason, Yale University; E. L. Kaplan, Carnegie Institute of Technology; P. C. Rosenbloom, University of Pennsylvania. Of these five, one will later be chosen to receive a \$1,000 graduate scholarship for one year at Harvard University. This award will be announced later. The members of the three winning teams will receive individual cash prizes according to the ranks of their teams, and all individuals receiving prizes will also receive medals.

Honorable mention has been awarded this year to three teams and to six individuals. The teams are from the Department of Mathematics, Carnegie Institute of Technology, Pittsburgh, members being R. E. Beatty, E. L. Kaplan, N. H. Painter; the Department of Mathematics, Cooper Union Institute of Technology, New York, members being Murray Klamkin, Benjamin Lax, Samuel Manson; and the Department of Mathematics, Yale University, New Haven, mem-

<sup>1</sup> Printed in winter, 1940, issue of the Sigma Xi quarterly.