

Richard E. Scammon, University of Minnesota, for exhibit illustrating growth and structure of the human body.

Harry Steenbock, University of Wisconsin, for an exhibit illustrating the results of studies of vitamin D.

#### CLASS II

[Awards in Class II made for exhibits which do not exemplify purely experimental studies, and which were judged on the basis of the excellence of correlating facts and excellence of presentation.]

The gold medal to Walter M. Simpson, Miami Valley Hospital, Dayton, Ohio, for exhibit of the gross and microscopic changes in tularemia and for excellence of presentation.

The silver medal to Arthur J. Bedell, Albany, N. Y., for an instructive exhibit of stereophotographs of the living eye.

The bronze medal to O. E. Denny, National Leprosarium, Carville, La., for excellent exhibit of color photographs illustrating various manifestations of leprosy.

Certificates of merit, Class II, to the following (alphabetically arranged):

John O. Bower and Jefferson H. Clark, Samaritan Hospital, Philadelphia, for exhibit of skin prints in the diagnosis of cancer of the breast.

Dr. T. Horton, Mayo Clinic and Foundation, Rochester, Minn., for exhibit illustrating pyloric block.

David Steel, Cleveland City Hospital and Western Reserve University, Cleveland, for exhibit illustrating roentgenologic and anatomic observations in cardiac diseases.

Honorable mention was made to the following:

C. Latimer Callender, San Francisco, and Cyrus Newton Callender, Fargo, N. D., for exhibit of surgical anatomic drawings.

James T. Case and W. O. Upson, Battle Creek, Mich., for roentgenographic exhibit of cholecystography.

Robert A. Moore and Earnest Scott, Ohio State University, Columbus, Ohio, for exhibit illustrating cardiovascular diseases.

Leo G. Rigler, University of Minnesota, for exhibit showing relation of esophagus and heart and aorta.

Fred D. Weidman, Zoological Society of Philadelphia, for exhibit illustrating comparative helminthology.

The committee made special mention of Benjamin Terry, Albert E. Sterne and Harry Spiro, for the excellence of personal demonstrations.

#### EDUCATIONAL EXHIBITS

A special certificate of merit was awarded to the U. S. Pharmacopeial convention for the best exhibit in the educational (national organizations) classifications. Mention was also made of the exhibit of the Committee on the Grading of Nursing Schools.

#### NATIONAL RESEARCH FELLOWSHIPS IN THE BIOLOGICAL SCIENCES

THE Board of National Research Fellowships in the Biological Sciences, in meeting on May 25 and 26, awarded fellowships to the following individuals:

#### Reappointments

Dean Turner Burk, Biochemistry  
David R. Briggs, Zoology  
James M. Fife, Botany  
Frederick H. Frost, Botany  
Theodore F. Karwoski, Psychology  
E. A. Swenson, Zoology

#### New Appointments

J. A. Gengerelli, Psychology  
Helen A. Purdy, Botany  
Malcolm R. Irwin, Zoology  
Attilio Rizzolo, Psychology  
D. H. Nelson, Botany  
Morgan Upton, Psychology  
L. H. Warner, Psychology  
Wayne N. Plastringe, Botany  
Samuel E. Hill, Zoology  
Anna H. Gayton, Anthropology  
Robert C. Robb, Zoology

The first meeting of the coming year for the consideration of applications for 1929-30 appointments, both American and foreign, will be held around the first of February. Applications for this meeting should be received by the latter part of December.

FRANK R. LILLIE, *Chairman,*  
*Board of National Research Fellowships*  
*in the Biological Sciences*

#### SCIENTIFIC NOTES AND NEWS

DR. E. G. CONKLIN, professor of biology at Princeton University, will give the seventh William Thompson Sedgwick memorial lecture at the Marine Biological Laboratory, Woods Hole, on July 27. Dr. Conklin's subject will be "Problems of Development."

THE gold medal of the Linnaean Society of New York, awarded to Dr. C. Hart Merriam, research associate of the Smithsonian Institution, was presented to Dr. Merriam by Dr. Frank M. Chapman, of the American Museum of Natural History, on May 30.

DR. HERBERT OSBORN, research professor at the Ohio State University, by vote of the fellows of the Entomological Society of America has been elected to honorary fellowship in the society. Other honorary fellows are C. J. S. Bethune, J. H. Comstock, S. A. Forbes, L. O. Howard and E. A. Schwarz.

DR. HUGH S. CUMMING, surgeon-general of the United States Public Health Service, has been elected a corresponding member of the Royal Society of Medicine of Great Britain for "meritorious work and ability as a scientist and leader in public health affairs."

DR. THOMAS BARBOUR, director of the university museum at Harvard University, has been elected an honorary member of the Phi Beta Kappa Society.

ON the occasion of the celebration of the centenary of its foundation on July 11, the Sheffield Medical School conferred the honorary degree of D.Sc. upon Dr. H. H. Dale, Professor Arthur J. Hall, Sir Frederick Gowland Hopkins, Sir Thomas Lewis and Professor Otto Warburg.

DR. FAY-COOPER COLE and Dr. and Mrs. George Dick were given honorary degrees of doctor of science by Northwestern University on June 18 and not by the University of Washington as was incorrectly reported in SCIENCE.

AT the recent annual meeting of the Association for the Study of the Internal Secretions in Minneapolis the following officers for 1928-29 were elected: *President*, Dr. Oscar Riddle, Cold Spring Harbor, N. Y.; *first vice-president*, Dr. Peter Bassoe, Chicago; *second vice-president*, Dr. Edgar Allen, Columbia, Mo.; *secretary-treasurer*, Dr. F. M. Pottenger, Monrovia, Calif.

DR. W. R. WHITNEY, director of the research laboratory of the General Electric Company, and Dr. Samuel W. Stratton, president of the Massachusetts Institute of Technology, are the two civilian members of a committee of five appointed by Secretary Wilbur to study submarine devices and salvage.

DR. CHARLES BEACH ATWELL, professor of botany at Northwestern University, has retired from active teaching after having served as a member of the faculty for almost fifty years. He was the oldest member of the faculty in point of service.

DR. FORMAN T. McLEAN has resigned as head of the plant physiology department of the Agricultural Experiment Station at the Rhode Island State College.

PROFESSOR HERMANN DIEDRICHS, director of the Sibley School of Mechanical Engineering at Cornell University, has been appointed to the newly established John E. Sweet professorship in mechanical engineering in the university.

DR. J. GORDON McKAY, of the U. S. Bureau of Public Roads, will leave the government service to head the new Cleveland Bureau of Highways Research, formed to carry out a \$60,000,000 road program.

DR. JOHN FARQUHAR FULTON, who during the past two years has been working in Dr. Harvey Cushing's clinic at the Harvard Medical School, has received a three-year appointment to a research fellowship at the University of Oxford, where he will carry on research in physiology under Sir Charles Sherrington, and write on the history of physiology and the bibliography of the works of Robert Boyle.

REORGANIZATION in the division of plants of the U. S. National Museum, due to the recent death of Dr. J. N. Rose and the resignation of Paul C. Standley, is taking place. Ellsworth P. Killip has been appointed associate curator and Emery C. Leonard assistant curator. Egbert H. Walker, a graduate of the University of Michigan and of the University of Wisconsin, has been temporarily appointed aid. For four years Mr. Walker was connected with the Canton Christian College, Canton, China, and he will have charge of the large collections of Chinese plants in the National Herbarium.

DR. LEE E. MILES, assistant professor of plant pathology at the State College of Washington and assistant plant pathologist in the Washington Agricultural Experiment Station, has been appointed to succeed Dr. D. C. Neal as plant pathologist at the Mississippi Agricultural Experiment Station.

PAUL GERLAUGH, animal husbandry specialist in the University of Ohio, has been appointed chief of the department of animal industry in the experiment station in the place of Dr. G. Bohstedt, who recently resigned.

RAY EDWARD STADELMAN, of the University of Kentucky, has joined the staff of the Antivenin Institute of America, a division of the Mulford Biological Laboratories at Glenolden, Pa. He will work with Dr. Thomas S. Githens, assistant director of the institute, in the preparation of the venom for immunizing horses and in the production and testing of the specific antivenins.

H. W. HOOTS has resigned from the U. S. Geological Survey to engage in petroleum engineering with the Union Oil Company, Los Angeles.

DR. JAMES DAVIDSON, chief assistant entomologist of the Rothamsted Experimental Station, England, has been appointed head of the department of entomology at the Waite Agricultural Research Institute, the University of Adelaide.

PROFESSOR A. FRUMKIN, of the Karpow Institute of Chemistry at Moscow, has been appointed visiting professor of colloid chemistry at the University of Wisconsin, where he will give a course of lectures in colloid chemistry and direct researches in that field.

DR. W. D. MATTHEW, professor of paleontology at the University of California, is making a two months' visit to the American Museum of Natural History in order to continue his studies of its Paleocene collections.

JOHN P. HARRINGTON, of the Bureau of American Ethnology, left Washington on July 11 to continue his studies of the Mission Indians of California.

DR. WILLIAM R. MAXON, associate curator of the division of plants in the U. S. National Museum, sailed for Europe on July 4 to study the fern collections at several of the larger herbaria. He is planning to spend several weeks at the British Museum (Natural History) and at the Royal Botanic Gardens, Kew, in completing the manuscript of the fern volume of the Flora of Jamaica, now in course of publication by the British Museum. From London Dr. Maxon expects to go to Copenhagen, Stockholm, Berlin and Paris.

DR. SAMUEL R. WILLIAMS, professor of physics at Amherst College, has been granted a leave of absence for the year 1928-29, which will be spent in Cambridge, England.

A. H. MILLER, of the Dominion Observatory, sailed for England on June 8 to study the torsion balance in association with the Geological Survey of Great Britain, on behalf of the Geological Survey of Canada as well as of the Dominion Observatory. He will also make measurements of gravity at London and Berlin, with the instruments used for this work in Canada, and the comparative measures will be of value in studies of the earth's figure.

DR. C. E. KENNETH MEES, director of the research laboratory of the Eastman Kodak Company, gave on July 12 the fourteenth lecture in the series arranged by the British Institute of Physics on "Physics in Industry," with the cooperation of the seventh International Congress of Photography.

DR. PLINY EARLE GODDARD, curator of the department of anthropology at the American Museum of Natural History, died on July 13 in his fifty-ninth year.

DAVID CHARLES DAVIES, director of the Field Museum of Natural History, died on July 14, aged sixty-two years.

DR. GEORGE PORTER PAINE, professor of physics at the University of Delaware, died on June 5, aged fifty-one years.

DR. WALTER BOOTH ADAMS, professor emeritus of pharmacology, therapeutics and dermatology, in the American University at Beirut, Syria, has died at the age of sixty-four years.

PROFESSOR JOHANNES GADAMER, director of the Pharmaceutical-Chemical Institute in the University of Marburg, died on April 15 at the age of sixty-one years.

THE United States Civil Service Commission announces an examination for associate physiologist at a salary of \$3,600, applications for which must be received not later than August 8.

WITH an attendance of about 240 the Sixth Colloid Symposium concluded a three-day meeting at the University of Toronto on June 16. The seventh symposium will meet at the Johns Hopkins University, from June 21 to 23, 1929.

THE twelfth annual summer meeting of the Mathematical Association of America will be held at Amherst College, Amherst, Massachusetts, on September 3 and 4. Professor B. H. Camp, of Wesleyan University, is chairman of the program committee.

THE thirteenth annual meeting of the Optical Society of America will be held at the Bureau of Standards in Washington, from November 1 to 3, 1928. It is expected that this will be the largest meeting in the society's history. In addition to the usual program of papers contributed by members on their own initiative, it is intended to have a well-balanced program of invited papers on various outstanding topics in optics. The exhibition will be held under the joint auspices of the Bureau of Standards and the Optical Society. It will open October 31, the day before the meeting, and will be open from 9:00 A. M. to 4:30 P. M., October 31-November 3 and one evening to be designated later.

DR. JOHN JOHNSTON, director of research and technology of the United States Steel Corporation, C. A. Reinhardt, chief metallurgist of the Youngstown Sheet and Tube Company, Dr. A. J. Unger, manager of the research bureau of the Carnegie Steel Company, and Homer D. Williams, president of the Pittsburgh Steel Company, have been invited by President Thomas S. Baker to become members of the advisory board of the department of metallurgical engineering at Carnegie Institute of Technology. The advisory board, which is composed of about 25 steel company executives and metallurgists, is concerned primarily with the development of metallurgical research as now carried on jointly by the Carnegie Institute of Technology and the U. S. Bureau of Mines.

THE malaria commission of the League of Nations met in Geneva, June 25, for the purpose of formulating a European campaign against malaria, according to a memorandum of the League of Nations. The commission was established in 1924 to endeavor to wipe out malaria, which had become prevalent during the World War. The commission has studied malarial problems in the United States in cooperation with the Public Health Service.

A COMMITTEE of Germans, representing agriculture, industry and finance, has asked a group of Americans to work with a group of Germans during this summer on a commission for the study of the marketing of farm products, particularly dairy products and meats.

The American members of the commission are: Dr. G. F. Warren, professor of agricultural economics and farm management, Cornell University, *chairman*; C. E. Gray, president, Golden State Milk Products Company, San Francisco; Dr. N. W. Hepburn, manager, Peoria Creamery Company, Peoria, Ill.; J. Clyde Marquis, economist in charge of economic information in the U. S. Bureau of Agricultural Economics; Dr. F. B. Morrison, director, New York State Agricultural Experiment Station, Geneva, N. Y.; Dean H. W. Mumford, College of Agriculture, University of Illinois; Dr. F. A. Pearson, professor of prices and statistics, Cornell University; Dr. H. A. Ross, professor of marketing, Cornell University; Dr. Otto Rahn, professor of dairy bacteriology, Cornell University, and I. C. Weld, production manager, Chestnut Farms Dairy, Washington, D. C. The commission planned to begin its work at Berlin about July 15.

THE scientific work of Commander Richard E. Byrd's forthcoming expedition to the Antarctic is to be under the auspices of the American Museum of Natural History. A special room has been set aside in the school service building as scientific headquarters of the expedition, and experts of the museum staff will assist Commander Byrd and his staff in outlining a program of scientific activities. Professor Henry Fairfield Osborn gave a luncheon at the museum on June 4 in honor of Commander Byrd.

THE investigational work on board the non-magnetic yacht *Carnegie*, which left Washington, D. C., on May 1, on her seventh cruise planned to last three years, is progressing satisfactorily. Besides observations in terrestrial magnetism and atmospheric electricity, researches in physical oceanography, marine biology, radiotelegraphy and meteorology are being conducted. The vessel arrived at Plymouth, England, her first port of call, June 8, having been delayed by head-winds. Leaving Plymouth June 18, she reached Hamburg, Germany, June 22. She sailed from the latter port for Reykjavik, Iceland, July 7. A warm welcome was accorded the vessel and party both by English and German scientists. At Hamburg additional meteorological and oceanographic equipment was installed, and many constructive suggestions were made as the result of the recent *Meteor* expedition. Dr. H. U. Sverdrup, research associate of the Carnegie Institution of Washington, inspected the vessel and assisted in scientific installations at Hamburg.

ON July 4, 1928, a monument was dedicated at Kenton, Oklahoma, marking the high point of the state. This monument, five feet in height, built of native basaltic lava and capped with an 18-inch cube of granite from the Wichita Mountains, is situated on Black Mesa near the northwest corner of the State

of Oklahoma. Black Mesa is a table-land composed of volcanic rock which transgresses three miles into Oklahoma from New Mexico. The elevation as determined by surveyors of the topographic branch of the U. S. Geological Survey is 4,978 feet. Representatives were present at the dedication from the four states which corner near Black Mesa, namely, Kansas, Colorado, New Mexico and Texas. The dedication was in charge of Chas. N. Gould, state geologist of Oklahoma.

## UNIVERSITY AND EDUCATIONAL NOTES

THE University of Chicago will receive a bequest of between \$300,000 and \$400,000 by the will of the late Adolph J. Lichstern, of Chicago.

A GIFT of \$10,000 has been made by Mr. and Mrs. Charles P. Taft to the graduate school of arts and sciences in the University of Cincinnati.

IT is announced that a resident in Chicago has offered £10,000 to Queens University, Ontario, Canada, to found a chair of preventive medicine and public health.

PROFESSOR J. H. VAN VLECK, of the University of Minnesota, has accepted the professorship of theoretical physics at the University of Wisconsin and will begin his work there in September of the present year.

PROFESSOR HERBERT WOODROW, head of the department of psychology at the University of Oklahoma, has been appointed professor and head of the department of psychology of the University of Illinois to succeed Professor Madison Bentley.

DR. B. O. KOOPMAN, of Columbia University, has been promoted to a full professorship of mathematics.

AT Williams College, James B. Brissmade, assistant professor of physics, and Elbert C. Cole, assistant professor of biology, have been advanced to the rank of associate professor in their respective departments.

C. M. SUTER, research associate at Yale University; R. K. Summerbell, of the Ohio State University; J. G. Aston, research assistant at Harvard University, and R. B. Reynolds, of the University of Wisconsin, have been appointed to the chemistry staff of Northwestern University.

DR. JOHN G. SINCLAIR, of the department of anatomy in the University of Wisconsin Medical School, has been appointed associate professor of embryology and histology at the University of Texas School of Medicine.

PROFESSOR E. N. DA COSTA ANDRADE, professor of physics at the Royal Military College, Woolwich, has been appointed by the University of London to the Quain chair of physics, tenable at University College.