

Institute for Medical Research, at a meeting of the academy on October 5.

This is the first time the medal has been awarded since 1938. The previous recipients of the award are:

Dr. Carl Koller .....	1930
Dr. David Marine .....	1931
Dr. Charles Norris .....	1934
Dr. Alfred Newton Richards .....	1936
Dr. Bela Schick .....	1938

The citation delivered by the president of the academy, Dr. Arthur Freeborn Chace, follows:

Dr. Oswald T. Avery, for more than thirty years you have been on the staff of the Rockefeller Institute for Medical Research, and your investigations have led to

discoveries and great advances in the science of bacteriology. With Dochez, in 1917, you discovered the "soluble specific substance" of the pneumococcus, and in the early twenties you revealed that it was a polysaccharide different from each of the three types of pneumococci studied. But you have persisted for years in your quiet, modest way, and have ever given credit to others. During this present year with MacLeod and MacCarty, you have studied the transformation of one type of pneumococcus into another and isolated the "transforming principle" as a thymonucleic acid. This discovery has very far-reaching implications for the general science of biology. I have the pleasure and the honor of presenting to you the Medal of The New York Academy of Medicine, which is awarded to one who has contributed in a distinguished way to the progress of medicine.

## SCIENTIFIC NOTES AND NEWS

DR. ERNEST W. GOODPASTURE, professor of pathology at the School of Medicine of Vanderbilt University, was presented with the Sedgwick Memorial Medal at the opening ceremonies in Philadelphia on October 3 of the War-time Conference and annual meeting of the American Public Health Association.

THE Charles Matthews Manly Medal of the Society of Automotive Engineers was awarded on October 6 to John Otto Almen, of the General Motors Research Laboratories, Detroit. The award was made in recognition of his work in developing methods and data for increasing by shot blasting the working strength of metals and of engine parts.

DR. FLORENCE SEIBERT, associate professor of biochemistry at the Phipps Institute of the University of Pennsylvania, was presented at the White House on October 6 with the medal of the National Achievement Award sponsored by Chi Omega. This award, made annually to "an American woman of notable accomplishments," was awarded to Dr. Seibert in recognition of "her outstanding research in connection with tuberculosis."

WATSON DAVIS, director of Science Service, was one of the four recipients of bronze journalism medals presented by the School of Journalism of Syracuse University at its tenth anniversary dinner on October 6 in recognition of his "distinguished service in interpretation of science."

DR. G. H. PARKER, professor of zoology emeritus of Harvard University, was elected an honorary member at the Cleveland meeting of the American Society of Naturalists.

THE honorary degree of doctor of science was conferred on September 27 by Marquette University on Brigadier General James Stevens Simmons, U.S.A.,

chief of the Preventive Medicine Service, Office of the Surgeon General, U. S. Army. On this occasion he delivered the commencement address at the School of Medicine.

OFFICERS of the Virginia Chapter of Sigma Xi have been elected as follows: *President*, Dr. Frederick L. Brown, professor of physics, to succeed Dr. Ladley Husted, of the department of biology; *Vice-president*, Dr. Robert E. Lutz, professor of organic chemistry; *Secretary*, Dr. Joseph K. Roberts, professor of physics, and *Treasurer*, Dr. Lawrence R. Quarles, associate professor of geology.

CHARLES DERLETH, JR., professor of civil engineering and until 1942 dean of the College of Engineering of the University of California at Berkeley, retired on October 2.

DR. E. C. ROSENOW, who on July 1 became emeritus professor of experimental bacteriology of the Mayo Foundation Graduate School of the University of Minnesota, will continue his research work at the California Institute of Technology.

DR. J. T. MCCLINTOCK, for forty-two years professor of physiology and head of the department in the College of Medicine of the State University of Iowa, retired on July 1. Professor H. M. Hines, of the same department, has been appointed to succeed him. Dr. Kendrick Hare, formerly of the department of anatomy, has been appointed associate professor of physiology, and Dr. S. B. Barker, of the University of Tennessee at Memphis, has joined the department as assistant professor. Dr. C. A. Winter has become assistant professor of physiology at the School of Medicine of the University of Oklahoma.

DR. ARNOLD J. LEHMAN, of the College of Medicine of Wayne University, has been appointed professor

of pharmacology in the School of Medicine of the University of North Carolina.

WILLIAM E. STANLEY, professor of sanitary engineering at Cornell University, has been appointed professor in charge of courses in sanitary engineering at the Massachusetts Institute of Technology. Professor Stanley recently returned from North Africa, where he served as a major in the Corps of Engineers with assignments as water supply officer for seven months during the North African invasion and the Tunisian campaign, and for eight months as chief of construction in the Service of Supply.

It is reported in the daily press that Dr. Aldo Castellani has been dismissed from the professorship of tropical diseases at the University of Rome.

DR. MERVIN J. KELLY, director of research of the Bell Telephone Laboratories, New York City, has been elected executive vice-president of the laboratories. Alva B. Clark and Dr. Reginald L. Jones have been elected vice-presidents. O. B. Blackwell, vice-president, became on October 1 assistant vice-president of the American Telephone and Telegraph Company.

DR. EDWARD B. KRUMBHAAR, professor of pathology at the University of Pennsylvania, has been elected a member of the Board of Overseers of Harvard University.

DR. GUSTAVE J. MARTIN, assistant director in charge of the division of chemistry of the Warner Institute for Therapeutic Research, New York, has been made research director of the National Drug Company, Philadelphia.

DR. LYLE WINSTON PHILLIPS, of the department of physics of the University of Illinois, has joined the staff of the research laboratories of the Armstrong Cork Company.

DR. LOUIS I. DUBLIN, statistician of the Metropolitan Life Insurance Company, assistant to the chairman of the American Red Cross, will serve as acting chairman during the absence of Dr. Basil O'Connor, who is inspecting Red Cross activities in France and England.

VERNON E. BROCK has been appointed director of the Division of Fish and Game of the Board of Agriculture and Forestry of the Territory of Hawaii. He left for Hawaii late in July. Mr. Brock was chief fishery biologist with the Fish Commission of Oregon from 1940 to 1944, but has been on leave for the past year, serving as administrator of pilchard production and as production analyst in the office of the Coordinator of Fisheries in San Francisco.

LELAND G. ALLBAUGH, on leave of absence from his position as assistant director of agricultural exten-

sion at Iowa State College, is now in Rome. He is serving as consultant on seeds, feed, machinery and fertilizer in the liberated area, in connection with the Foreign Economics Administration. He is expected to return to Iowa State College next July.

AFTER a leave of absence of a year and a half, Dr. Laurence McKinley Gould has returned to his position as professor of geology and geography at Carleton College. During his absence Dr. Gould has been chief of the Arctic Section of the Arctic, Desert and Tropic Information Center of the United States Army Air Forces with headquarters in Minneapolis and in New York City.

DR. E. NEWTON HARVEY, Henry Fairfield Osborn professor of biology at Princeton University, will deliver on October 26 the first Harvey Society Lecture of the current series at the New York Academy of Medicine. He will speak on "Decompression Sickness and Bubble Formation in Blood and Tissues."

DR. ARTHUR COMPTON, professor of physics at the University of Chicago, will address the Institute on Religion and Contemporary Civilization, to be held at the University of California at Los Angeles from November 13 to 17. He will speak on the morning of November 15 on "Religion and the Scientific View of Man." That afternoon he will lead a seminar devoted to a discussion of his morning lecture. In the evening he will deliver a second address which will be entitled "What It Means to be Free."

LIEUTENANT COMMANDER LOWELL T. COGGESHALL, M.C., U. S. Naval Reserve, Marine Barracks, Klamath Falls, Ore., professor of epidemiology in the School of Public Health of the University of Michigan, will address a joint meeting of the Institute of Medicine of Chicago and the Chicago Society of Internal Medicine on Monday evening, October 23, at the Palmer House. He will speak on "Current and Postwar Aspects of Tropical Disease Problems."

MAJOR GENERAL GEORGE F. LULL, U.S.A., Deputy Surgeon General of the Army, on September 21 spoke at the annual meeting of the Jefferson Medical College Alumni Association in Philadelphia, on the reasons for the low mortality rates in this war compared with other wars.

AT St. Louis University there have been established an Institute of Geophysical Technology, with the Rev. Dr. James B. Macelwane as dean, and an Institute of Social Sciences, with the Rev. Dr. Leo C. Brown as director. The Institute of Geophysical Technology offers courses on both the undergraduate and the graduate levels leading to the degrees of bachelor and master of science and the doctorate. The Institute of Social Sciences is a graduate school, offering the master's and doctor's degrees.

THE department of pharmacology of the School of Medicine of the University of Maryland has received a gift of \$4,000 from the Ohio Chemical and Manufacturing Company of Cleveland to establish a fellowship for the study of volatile anesthetics, especially "propethylene," under the direction of Dr. John C. Krantz, Jr., professor of pharmacology. The Emerson Drug Company of Baltimore also has established a fellowship at the university of \$5,000 for the study of analgesics and the mechanism of the relief of pain to be carried out under the direction of Dr. Krantz.

AN exhibit of drawings, sketches and etchings by Dr. Charles M. Pomerate, professor of anatomy at the Medical Branch in Galveston of the University of Texas, was shown at a meeting of the Texas Surgical Society on October 2 and 3. The exhibit illustrated the evolution of a hobby developing from an interest in the technique of scientific drawing. The sketches include scenes from Normandy and other parts of France, Italy, Mexico and South America. The exhibit will remain through the meeting of the American Society of Anesthetists on November 3 and of the Texas Academy of Science from November 9 to 11.

THE Columbia Foundation of San Francisco has given the sum of \$13,800 toward the establishment of a department of tropical medicine at the Medical School in San Francisco of the University of California.

*The Experiment Station Record* reports that the School of Pan American Agriculture founded and maintained by the United Fruit Company was formally opened on Columbus Day. A provisional opening was made in September, 1943, with an enrollment of 74 students selected from Mexico and six of the Central American countries. The opening of the school followed an authorization in 1942 by the National Congress of Honduras of a location within that country. A considerable tract of land was purchased at Zamorano, about 25 miles from Tegucigalpa, the national capital. Buildings are under construction to accommodate a student body which was expected to reach the scheduled maximum of 160 by this autumn. A basically practical course of instruction is projected to run for three years, with a fourth year for students showing proficiency and capacity for specialization. Four hours each day will be devoted to field work and an equal number to study. No tuition fees are charged, and students are furnished lodging, clothing, board, books and other necessary equipment without cost. The primary purpose is to supply practical agricultural leadership for the American Tropics. The director of the school is Dr. Wilson Popenoe, formerly of the Bureau of Plant Industry of the U. S. Department of Agriculture. Other mem-

bers of the faculty include Alfred F. Butler, head of the department of agronomy and soils; Dr. H. A. Von Wald, agricultural engineering, and E. A. Rivera, livestock.

*The British Medical Journal* states that a department of child health has been established at the University of Liverpool in collaboration with the City Council and the Royal Liverpool Children's Hospital. Dr. Norman B. Capon has been appointed part-time director of the department and has been given the title of professor of child health while holding that post. He has been lecturer in diseases of children in the university since 1935 and he is also a lecturer in clinical medicine. The new department will be concerned not only with the investigation of diseases of childhood, but also with the preservation of good health, physical and mental, during the early years of life.

THE Nuffield Provincial Hospital Trust has made a grant to the Sheffield Radium Center for the salary and expenses of a biochemist who is to work in the Sheffield Cancer Laboratory, which has been maintained by the Yorkshire Cancer Council for the past fifteen years, under Professor H. N. Green, the director. A study will be made of the effects of radiation on biochemical processes in normal tissues and the immediate problem will be to determine whether small doses of radiation stimulate hyperplasia of specialized cells, by studying the excretory rate of sex hormones after irradiation of the gonads.

THE British Admiralty has announced the formation of a Royal Naval Scientific Service, in order to make permanent provision for the Navy's needs "in the fields of research, experimental design and development." It is stated in *The Times*, London, that this in effect is a change of name rather than a new departure, for the new service will be staffed by those now forming the Admiralty Scientific, Technical and Chemical Pools, at present working under the director of scientific research, who will be the head of the new service. According to the official announcement, it is planned to give the new service "the status and responsibilities commensurate with its high importance."

THE British Minister of Agriculture and Fisheries and the president of the Board of Education have jointly appointed a permanent committee of which Dr. Thomas Loveday, vice-chancellor of the University of Bristol, is chairman, to advise them on all aspects of agricultural education to be provided by local education authorities, and particularly on the educational policy and methods of training to be adopted at farm institutes. A second committee, also under the chairmanship of Dr. Loveday, has been appointed to consider the character and extent

of the need for higher agricultural education in England and Wales and to make recommendations as to the facilities that should be provided to meet the need. This committee will deal with agricultural education

provided by agricultural colleges and university departments of agriculture, and will take over the functions of the Ministry's wartime Committee on Higher Agricultural Education.

## DISCUSSION

### RECENTLY STARRED BOTANISTS AND ZOOLOGISTS

SUPPLEMENTARY to the lists of scientists first starred in the seventh edition of "American Men of Science" published in *SCIENCE* for August 11, the following data on where they received their academic training and their birthplaces will interest some readers. The appended summaries concerning also those starred in 1932 and 1937 are also of some interest. (Corresponding data concerning the other sciences have been assembled; those for astronomers, chemists, geologists, mathematicians and physicists are scheduled to appear in *The American Journal of Science* for November; those for psychologists, in *The American Journal of Psychology* for October.)

#### BOTANISTS FIRST STARRED IN THE 7TH EDITION AMERICAN MEN OF SCIENCE

##### *Present distribution by institutions:*

California: Chandler, W. H., Foster, A. S., Stebbins, G. L.; Harvard: Linder, D. H., Mangelsdorf, P. C., Thimann, K. V.; Carnegie Institution: Clausen, J. C., McClintock, Barbara; U. S. Department of Agriculture: Auchter, E. C., Drechsler, C.; California Institute of Technology: Anderson, E. G.; Boyce Thompson Institute: Arthur, J. M.; Columbia: Karling, J. S.; Connecticut State College: Avery, J. S.; Cornell: Muensch, W. C.; Duke: Wolf, F. A.; Iowa: Loehwing, Martin; North Carolina: Couch, J. N.; Pennsylvania State: Overholts, L. O.; Rockefeller: White, P. R.; George Washington: Griggs, R. F.; Wisconsin: Keitt, G. W., Riker, A. J.; Yale: Burkholder, P. R.

##### *Doctorate:* ACADEMIC TRAINING

Cornell: Anderson, Auchter, Burkholder, McClintock, Muensch, Wolf; Harvard: Drechsler, Foster, Griggs, Linder, Mangelsdorf, Stebbins; Chicago: Arthur, Loehwing, Martin; Columbia: Karling; Hopkins: White; Missouri: Chandler; North Carolina: Couch; Washington University: Overholts; Wisconsin: Avery, Keitt, Riker; Copenhagen: Clausen; London: Thimann.

##### *Collegiate:*

Chicago: Arthur, Loehwing; Clemson: Keitt; Cornell: Auchter, Foster, McClintock; Dickinson: Burkholder; Harvard: Linder, Stebbins; Kans. State Coll.: Mangelsdorf; Miami: Overholts; Missouri: Chandler; Montana: White; Nebraska: Anderson, Wolf; North Carolina: Couch; Oberlin: Riker; Ohio: Griggs; Rutgers: Martin; Texas: Karling; Tulane: Avery; Washington St. Coll.: Muensch; Wisconsin: Drechsler; Copenhagen: Clausen; London: Thimann.

##### *Birthplaces:*

Midwest 7, South 4, New England 3, New York 4, Pennsylvania 1, Nebraska 2, Montana 1, England 1, Denmark 1, Germany 1.

#### BOTANISTS STARRED 1932-1944

##### *Distribution:*

California 7, Harvard 6, Cornell 4, Columbia 3, Illinois 3, Iowa 3, Michigan 3, Minnesota 3, Wisconsin 3, Calif. Tech. 2, Iowa State 2, Pennsylvania 2, U. S. Department of Agriculture 5, Boyce Thompson Institute 4.

##### *Doctorate:*

Chicago 13, Harvard 13, Cornell 11, Wisconsin 7, Hopkins 6, Pennsylvania 3, California 2, Michigan 2, Missouri 2, Washington University 2.

##### *Collegiate:*

Cornell 4, Missouri 4, Chicago 3, Harvard 3, Michigan 3, Pennsylvania 3, Toronto 3, Iowa State Col. 2, Kans. State Col. 2, Mich. State Col. 2, Wisconsin 2, Illinois 1, Missouri 1, Oberlin 1, Stanford 1.

#### ZOOLOGISTS FIRST STARRED IN THE 7TH EDITION AMERICAN MEN OF SCIENCE

##### *Distribution by institutions:*

California: Brooks, S. C., Kirby, H., Light, S. F.; Columbia: Barth, L. G., Pollister, A. W.; Michigan: Dice, L. R., Okkelberg, P.; Northwestern: Buchanan, J. W., Turner, C. L.; Stanford: Beadle, G. W., Ferris, G. G.; Amherst: Schotte, O. E.; California Institute of Technology: Tyler, A.; Chicago: Park, Thomas; Cornell: Adelman, H. B.; Haverford: Dunn, E. R.; Hopkins: Ephrussi, B.; Illinois: Kudo, R. R.; Indiana: Sonneborn, T. M.; Iowa: Beams, H. W.; Kansas State Col.: Ackert, J. E.; Massachusetts Institute of Technology: Schmidt, F. O.; Oberlin: Hibbard, H.; Ohio: Kennedy, C. H.; Princeton: Butler, E. G.; Rutgers: Boyden, A.; Swarthmore: Irving, L.; Washington (St. Louis): Hamburger, V.; Wisconsin: Irwin, M. R.; Yale: Young, W. C.

American Museum of Natural History: Breder, C. M., Mayr, E.; Chicago Museum of Natural History: Schmidt, K. P.; N. Y. Zoological Park: Gordon, M.; Philadelphia Academy of Natural Science: Rehn, J. A.; U. S. Department of Agriculture: McIndoo, N. E.; U. S. National Museum: Friedmann, H.

##### ACADEMIC TRAINING

##### *Doctorate:*

Cornell: Adelman, Beadle, Friedmann, Gordon, Kennedy; Chicago: Barth, Buchanan, Park, Young; California: Dice, Kirby, Light; Wisconsin: Beams, Boyden, Turner; Bryn Mawr: Hibbard; California Institute of Technology: Tyler; Columbia: Pollister; Harvard: