

## SCIENTIFIC NOTES AND NEWS

DR. JOSEPH HAINES MOORE has been appointed director of Lick Observatory, University of California. He became a member of the staff of the observatory in 1903, and has been since 1936 assistant director. He succeeds Dr. William H. Wright, who, having reached the age of sixty-five years, retired on July 1. Dr. Wright retains the rank of astronomer and expects to continue his work at the observatory.

PRESENTATION of the Janeway Medal of the American Radium Society was made on June 8 at the Atlantic City meeting to Dr. William P. Healy, specialist in nervous and mental diseases and director of the Judge Baker Foundation, Boston. The medal was awarded in recognition of "outstanding contributions in the field of radium therapy." Dr. Healy delivered the Janeway Lecture, which was entitled "The Role of the Gynecologist in the Field of Cancer."

DR. CLYDE L. CUMMER, assistant clinical professor of dermatology and syphilology at the Western Reserve University School of Medicine, a member of the faculty since 1909 and a former president of the Ohio State Medical Association, has been awarded the 1942 distinguished service award of the Academy of Medicine of Cleveland.

THE College of Physicians of Philadelphia awarded on July 14 the Alvarenga Prize to Dr. Edwin J. Cohn, professor of physiological chemistry at Harvard University, in recognition of his distinguished contribution to our knowledge of blood proteins. This prize was established by the will of Pedro Francisco DaCosta Alvarenga, of Lisbon, Portugal, an associate fellow of the College of Physicians, to be awarded annually on each anniversary of his death, July 14, 1883, "to the author of the best memorial upon any branch of medicine, which may be deemed worthy of the prize."

As already announced in SCIENCE, Dr. George H. Shull, professor of botany and genetics at Princeton University, was given the degree of doctor of science at the commencement exercises on June 5 of Iowa State College. At the same time, the degree of doctor of engineering was conferred on Wilbur M. Wilson, research professor of structural engineering at the University of Illinois; the Marston Medal was awarded to LeRoy L. Hidinger, of the Morgan Engineering Company, Memphis, Tenn., in recognition of his work in drainage of the Gulf Coast.

At the Boston convention of the American Home Economics Association, the Borden Company's award of \$1,000 was given to a group of five investigators for their cooperative research in milk nutrition. They are: Dr. Margaret Ohlson, of Iowa State College; Dr.

Ruth Leverton, of the University of Nebraska; Miss Hughina McKay, of the Ohio State University; Dr. Martha Pittman, of Kansas State College, and Dr. Genevieve Stearns, of the State University of Iowa.

DR. R. C. NEWTON, vice-president and chief chemist of Swift and Company, Chicago, was elected president of the Institute of Food Technologists at the recent Minneapolis meeting.

NATIONAL officers of the American Association of Scientific Workers have been elected as follows: *President*, Kirtley F. Mather, Harvard University; *Vice-presidents*, Bart J. Bok, Harvard University; Henry Borsook, California Institute of Technology; Watson Davis, Science Service; Ralph W. Gerard, University of Chicago; Lloyd A. Jeffress, University of Texas; Oscar K. Rice, University of North Carolina; *Secretary*, Harry Grundfest, Rockefeller Institute for Medical Research, New York City; and *Treasurer*, Melba Phillips, University of Minnesota.

DR. MINTIN ASBURY CHRYSLER, of Rutgers University, has been made research professor emeritus in the department of botany. The collection of plants of the department has been designated "The Chrysler Herbarium of Rutgers University." Dr. and Mrs. Chrysler were honored on April 16 at a seminar and dinner given by their friends and colleagues at which Dr. W. H. Camp, of the New York Botanical Garden, spoke on "The Herbarium in Systematics." Professor Chrysler will continue his morphological studies on Central American ferns.

THE retirement is announced of Dr. Geo. Harrison Shull, since 1915 professor of botany and genetics at Princeton University.

DR. ALFRED J. WAKEMAN, for thirty years a member of the department of biochemistry at the Connecticut Agricultural Experiment Station, has retired. At the Experiment Station, he was associated with Osborne and Mendel in their work on the nutritive properties of proteins and in early studies on the preparation of vitamin concentrates.

DR. FRANK T. MCFARLAND, head of the department of botany at the University of Kentucky, has been relieved at his own request of administrative work in order that he may devote more time to teaching and research; Dr. Herbert P. Riley, associate professor of botany at the University of Washington, will succeed him as head of the department.

At the State University of Iowa, Dr. Kenneth W. Spence, since the death of Dr. John A. McGeoch temporary chairman of the department of psychology, has been made chairman; Dr. Robert R. Sears has

been appointed head of the Iowa Child Welfare Research Station to succeed Dr. George D. Stoddard, now New York State Commissioner of Education, who was also dean of the Graduate College. As already reported, Dean Emeritus Carl E. Seashore is serving as *interim* dean until a successor to Dr. Stoddard is appointed.

EUGENE C. MCKIBBEN, professor of agricultural engineering at Iowa State College, has been appointed head of the department of agricultural engineering at Michigan State College.

EDWIN D. MCKEE, assistant director of the Museum of Northern Arizona, will be loaned to the department of geology of the University of Arizona for an eight-month period beginning in September and ending in May, 1943.

At the Scripps Institution of Oceanography of the University of California, La Jolla, Dr. Denis L. Fox has been advanced to the rank of associate professor of marine biochemistry. Dr. Claude E. ZoBell, who has been promoted to an associate professorship of marine microbiology, is serving also as acting director of the institution in the absence of Dr. H. U. Sverdrup.

DR. PHILIP D. WOODBRIDGE, of the Lahey Clinic, Boston, has become professor of anesthesiology at the Temple University School of Medicine, Philadelphia.

THE department of zoology of Columbia University has established an advisory committee, and the following have been asked to serve by President Butler: Professor H. B. Goodrich, Wesleyan University; Professor E. Newton Harvey, Princeton University; Professor Donald E. Lancefield, Queens College; Professor Charles W. Metz, University of Pennsylvania; Dr. Hermann J. Muller, Amherst College; Dr. William Procter, Bar Harbor; Professor Alfred S. Romer, Harvard University; Professor Francis B. Sumner, Scripps Institution of Oceanography, and Professor L. L. Woodruff, Yale University.

DR. JAMES F. MARTIN, senior pathologist of the Bureau of Plant Industry, has been appointed to succeed Dr. Stanley B. Fracker as chief of the division of plant disease control of the Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture. Dr. Fracker has been appointed research coordinator on the staff of Dr. Eugene C. Auchter, agricultural research administrator.

DR. GREGORY JAMIESON COMSTOCK, professor of powder metallurgy at the Stevens Institute of Technology, has been appointed technical consultant of the United States Board of Economic Warfare in the Industrial Engineering Division.

THE *Journal* of the American Medical Association states that a field investigation of encephalitis is being

conducted in Pinal County by Dr. William McD. Hammon, of the George Williams Hooper Foundation of the University of California, San Francisco, and Dr. Gordon Meiklejohn and Bernard Brookman, entomologist, both of the University of California at Berkeley. The State Department of Health and the Agricultural Welfare Association are cooperating with the hospital in Casa Grande, where field headquarters have been established.

FOOD RESEARCH LABORATORIES, INC., Long Island City, N. Y., announces the appointment of Dr. Raymond C. Bender to its technical staff as nutritionist in charge of the bioassay laboratories. Dr. Bender formerly was research chemist with the Borden Company at Bainbridge, N. Y., and has more recently been connected with the Harris Laboratories, Inc., of Tuckahoe, N. Y.

DR. PHILIP LEVINE, bacteriologist and serologist of the Newark Beth Israel Hospital, gave recently a lecture on "Serological Differentiations of Human Blood" as the first lecture sponsored by the newly organized Charles Fremont Dight Institute for the Promotion of Human Genetics at the University of Minnesota.

THE Division of Petroleum Chemistry of the American Chemical Society, which, on account of the pressure of war work on its members, had decided not to hold sessions at the Buffalo meeting of the society, now expects to hold its regular meeting there, together with the other seventeen divisions of the society.

THE American Dental Association and the American College of Dentists will hold their annual meetings in Boston, the former from August 24 to 28 and the latter on August 23. Headquarters for both societies will be the Hotel Statler.

RESEARCH workers seeking instruments required in their work but difficult to find are invited to communicate with D. H. Killeffer (60 East 42d St., New York, N. Y.), chairman of the newly appointed Committee on the Location of New and Rare Instruments of the National Research Council. The plan is to assist in locating needed instruments of types not ordinarily available through usual channels. Assistance is particularly desired from owners and builders of instruments falling within the new or rare categories which might be made available to others through sale or for temporary use under mutually satisfactory conditions.

ACCORDING to *The Johns Hopkins University Gazette*, it is estimated that nearly a thousand Hopkins men are now in the armed services. This estimate is based on an actual count of 832 Hopkins men in the Army, Navy, Marine Corps and Coast Guard. A breakdown shows that 622 hold commissions, while

210 are non-commissioned officers or privates. The largest single classified group are the medical officers, of whom there are more than 200, about three quarters of them serving in the Army and a quarter in the Navy. Thirty hold commissions in the Air Services, twenty-four in the Army and six in the Navy. Only eleven Hopkins men are known to be in the Coast Guard, eight of them commissioned officers and three of lower rank. Four hold commissions in the Marine Corps. From this year's graduating class, thirty-seven will receive reserve commissions in the Army as a result of completing the R. O. T. C. course. Many others will enter training schools to prepare for commissions in both Army and Navy. It is probable that nearly half the graduates will go immediately into the armed forces, while the other half will go into wartime industries or advanced training in medicine, chemistry, physics or other essential fields.

Two fellowships are available in the department of geology of the Massachusetts Institute of Technology in the fields of mineralogy and structural crystallography. One of these, a teaching fellowship, carries a stipend of \$500 per academic year plus free tuition. Up to eighteen hours per week may be required of the holder of this fellowship. Another fellowship, concerned chiefly with carrying out investigations in structural crystallography and allied fields, requires an investigator with a fairly good background in crystallography and preferably having had some ex-

perience in the x-ray study of crystal structures. This fellowship, which is of a more permanent nature, requires the full time of the incumbent and carries a stipend of about \$2,000. Any one interested in these fellowships should communicate with Professor M. J. Buerger, Department of Geology, Massachusetts Institute of Technology, Cambridge, Mass., giving full details regarding their qualifications.

A FELLOWSHIP fund, amounting to \$500 a year for the next ten years, has been established at the University of Kentucky for students in either mechanical engineering or industrial chemistry as a gift from the Ashland Oil and Refining Company. The fellowship will be awarded on the basis of scholarship and need.

THE American Standards Association has announced completion of a new emergency standard which, while intended for the Army and Navy, will help amateur photographers all over the country to take better pictures. The new standard is a photographic exposure computer—a simple pocket-size device for finding the correct exposure for any time of day in any habitable part of the world. It was prepared at the request of the U. S. Navy for use on ships and planes by the Army and Navy, but it will also be issued in a civilian edition which may be obtained and used by any amateur photographer. The civilian edition is identical with the Army and Navy edition, except for use of priority materials required by the services because of rigorous conditions.

## DISCUSSION

### FURTHER DATA ON THE CULTIVATION OF TOBACCO AMONG THE PUEBLO INDIANS

IN "*Nicotiana rustica* Cultivated by Pueblo Indians," in SCIENCE for July 18, 1941, I reported upon the discovery of this species of tobacco under cultivation in one of the Indian pueblos in New Mexico. This find seemed significant first, because of the extreme paucity of evidence for any cultivation at all among the pueblos, and, secondly, because a previous survey of aboriginal tobaccos<sup>1</sup> did not place *N. rustica* in the Southwest. Since last July new data have come to light; they illuminate our problem, but leave it still unsolved.

Last summer I collected specimens of tobacco, all under cultivation, at Santo Domingo, Cochiti and Jemez pueblos, and at the little Mexican town of San Ysidro, the first two being located in the Rio Grande valley, the latter two in the valley of the Jemez. These specimens were identified by Mr. Volney H. Jones,<sup>2</sup>

of the University of Michigan, and by Professor T. H. Goodspeed, of the University of California, as *N. rustica*, Professor Goodspeed adding that they closely resemble a variety called *pumila*. Dr. H. P. Mera, of the Laboratory of Anthropology at Santa Fe, and Mr. Pete Gonzales, also of Santa Fe, sent me a specimen of *punche* (the local Mexican name for tobacco) seed, grown in Rio en Medio, near Santa Fe. This seed appears to be *N. rustica*, but definitive identification should be made from plants grown from them.

From 1925 to 1931, The Consumer Tobacco Company, Mr. R. G. Mewborne, president, grew *N. rustica* experimentally and extensively near Albuquerque. I have discussed this project with Mr. Mewborne at some length. He told me that he used to give seeds freely to Indian and Mexican farmers who "preferred this kind of tobacco to the kind they were growing." Dr. E. G. Beinhart, of the U. S. Department of Agriculture, also had plots of *N. rustica* grown experimentally near Albuquerque between 1926 and 1929.<sup>3</sup> Thus

<sup>1</sup> Wm. A. Setchell, *Am. Anthropologist*, 23: 397-414, 1921.

<sup>2</sup> I am greatly indebted to Mr. Jones for aid and counsel at every point in this investigation.