

nosis and treatment of tropical diseases to the practising physician.

(3) To form a library of teaching films to be loaned to medical societies and other appropriate organizations.

The Surgeon General agreed to sponsor the program and called upon Medical Director L. L. Williams, Jr., to formulate plans. The program, as originally proposed by Dr. Williams, provided for the recruiting and training of ex-servicemen as technicians to be assigned to state health department laboratories, these technicians to serve the States both in the laboratory diagnosis of tropical diseases and in training other technicians within the States. Dr. Williams's plan provided for lectures by teams of lecturers well qualified to cover the field of tropical medicine, who were to visit state and local medical societies.

Since the assignment of Dr. Williams to the Department of State, the carrying out of the program has been transferred to the Office of Malaria Control in War Areas (of the States Relations Division) in

Atlanta, with Surgeon (R) William S. Boyd in charge.

The situation was canvassed in regard to the recruiting of personnel, particularly ex-servicemen, with the view of preparing these men for duty in state health department laboratories. It was soon realized that for the present it would not be possible to enlist a sufficient number of qualified men to carry on the program as originally planned. Therefore the decision was reached to set up in Atlanta expanded laboratory facilities to serve a threefold purpose:

(1) To offer intensive training in the laboratory diagnosis of tropical diseases.

(2) To serve as a diagnostic center for examination of specimens referred by state departments of health and for examinations of diagnostic materials obtained for survey purposes.

(3) To make available to technicians in state and local health department laboratories diagnostic and reference materials.

The first class for state laboratory technicians will be opened on October 1.

SCIENTIFIC NOTES AND NEWS

THE Baltimore Chapter of the American Institute of Chemistry recently presented to Dr. E. Emmet Reid, professor of chemistry emeritus of the Johns Hopkins University, an honorary membership scroll "in recognition of services as a scientist, industrialist, inventor, teacher and humanitarian."

THE fourth annual John Wesley Hyatt Award for outstanding achievement in the plastics industry was presented in New York on June 13 to William Iler Beach, chief plastics engineer of North American Aviation, Inc., Inglewood, Calif. Mr. Beach received the award for his work on the post forming of laminates, which made possible the manufacture of certain critically needed parts for the aircraft industry. The presentation of the gold medal and the sum of \$1,000 was made by George K. Scribner, representing the John Wesley Hyatt Award Committee at a dinner given at the Waldorf-Astoria.

THE degree of doctor of science of Bucknell University was conferred on Dr. Doncaster G. Humm on June 23 in recognition of his work on "the standardization and validation of the Humm-Wadsworth Temperament Scale and its application to over three million industrial workers."

At its sixty-eighth annual commencement on June 17, the University of Oregon conferred the doctorate of science on William Fitch Allen, professor of anatomy and head of the department at the Medical School, with the following citation: "In recognition of his notable contributions to the sciences of anatomy

and physiology; the urge to research and productive scholarship implanted in the minds of generations of students; and his long and devoted career as teacher and mentor of medical men of the Pacific Northwest." The degree of doctor of laws was conferred on Lewis Ankeny McArthur, president of the Oregon Historical Society and author of "Oregon Geographical Names." The citation reads: "In recognition of his painstaking and fruitful researches into the origin of place names in Oregon; the lasting stimulus he gave to wide-spread popular interest in local history; and his continuing zeal for the social welfare manifested in manifold acts of public service."

LAVAL UNIVERSITY at its commencement exercises conferred the doctorate of science, *honoris causa*, on A. F. G. Cadenhead, director of the department of plant research at Shawinigan Chemicals, Ltd.

DR. J. E. W. WALLIN reached the retirement age in the Wilmington, Delaware, school system at the close of the scholastic year in June, but continues under the recently enacted State Retirement Act to serve the State Board of Education on a part-time basis as director of special education and mental hygiene. At a testimonial dinner on March 21, sponsored by Wilmington special education teachers, he was presented with a leather-bound volume containing 117 letters of appreciation from university presidents, deans and professors, public school superintendents, principals and teachers, clinic and research directors, and others from twenty-four states, Hawaii and the District of

Columbia. He was also presented with a framed illuminated scroll painted by Dr. Martin Jennings, of New York University.

THE following officers of the Illinois Institute of Technology Chapter of Sigma Xi have been elected to serve for the academic year 1945-46: *President*, Dr. Lester R. Ford, chairman of the department of mathematics; *Vice-president*, Dr. T. J. Higgins, associate professor of electrical engineering; *Secretary*, Dr. John De Cicco, assistant professor of mathematics, and *Treasurer*, Dr. L. R. Hedrick, professor of biology.

At a recent meeting of the Chicago Section of the Electrochemical Society, the following officers were elected for the coming year: C. A. Getz, *Chairman*; C. W. Carter, *Vice-chairman*; J. Bjorksten, *Secretary*, and B. F. Freeberg, *Treasurer*.

PROFESSOR HENRY S. W. KEITH, head of the department of naval architecture and marine engineering of the Massachusetts Institute of Technology, will retire on January 1 with the title of professor emeritus after having been associated with the institute for thirty-nine years.

DR. EDWARD C. SCHNEIDER, Ayres professor of biology at Wesleyan University, has retired after serving for twenty-five years.

RETIREMENTS from the faculty of the University of Rochester include Dr. Arthur S. Gale, professor of mathematics, formerly dean; Dr. Edwin Fauver, director of physical education and college physician; Floyd C. Fairbanks, professor of physics and astronomy, and, as already announced, Dr. John R. Murlin, professor of physiology.

DR. HAROLD HOWE, professor of agricultural economics at Kansas State College, has been appointed dean of the graduate school. Dr. Howe succeeds Dr. James E. Ackert, who has been dean since 1931 and who, in accordance with the state's policy of relieving officers of their administrative duties at the age of sixty-five years, has also resigned as head of the department of zoology. Dr. Donald J. Ameel has been promoted to a full professorship in the department of zoology and has been appointed acting head of the department.

DR. CLARENCE DORMAN, director of the Agricultural Experiment Station of Mississippi State College, has been named acting president. He will serve until a successor to Dr. George Duke Humphrey, who will become president of the University of Wyoming, has been elected.

DR. RALPH E. MONTONNA, professor of chemical engineering at the University of Minnesota, has been made assistant dean of the Graduate School. He will

retain his academic status as professor of chemical engineering and will continue to act as director of the Minnesota Institute of Research.

DR. CARL W. MUNSHOWER has been promoted to a full professorship and has been named chairman of the department of mathematics of Colgate University. He succeeds Dr. Herman T. R. Ande, who has requested that he be relieved of administrative work.

DR. VLADIMIR ROJANSKY has been appointed chairman of the department of physics of Union College to succeed the late Dr. Peter I. Wold. Since November, 1943, Dr. Rojansky has been on leave of absence as a consultant on special war projects in Washington and in England.

DR. HAROLD J. REED, research fellow of the Mellon Institute of Industrial Research, Pittsburgh, has been appointed associate professor of metallurgy at Pennsylvania State College.

DR. F. WOOD JONES, F.R.S., professor of anatomy at the University of Manchester, has been appointed the first Sir William H. Collins professor of human and comparative anatomy in the Royal College of Surgeons of England.

In the issue of SCIENCE for July 13 it is stated that Drs. Paul B. Hamilton and C. Arthur Knight, Jr., had been promoted from the rank of assistant to the rank of associate member of the Rockefeller Institute for Medical Research. It should have been said that they had been promoted from the rank of assistant to the rank of associate.

DR. E. K. BOLTON and Dr. Arthur C. Cope have been appointed representatives of the American Chemical Society in the Division of Chemistry and Chemical Technology of the National Research Council for the period from June 30, 1945, to June 30, 1948. They take the place of Dr. Per K. Frolich and Dr. Paul D. Bartlett, whose terms expired this June.

DR. MOLLIE A. GEISS has been appointed professor of pathology at the Woman's Medical College of Pennsylvania to succeed Dr. Helen Ingleby, who resigned in June to accept the position of pathologist at the Jewish Hospital in Philadelphia. Dr. Geiss has been on the faculty of the Woman's Medical College since 1923 and associate professor of pathology since 1932.

PROFESSOR WILBUR C. NELSON, head of the department of aeronautical engineering at Iowa State College, is spending the summer at the Aerodynamical Research Laboratory in Silver Spring, Md., of the Johns Hopkins University, where he is experimenting with air resistance of high-speed airships. Professor John M. Coan is acting head of the department during the summer.

DR. ROBERT S. JUSTICE joined at the end of June the scientific staff of Lakeside Laboratories, Inc., Milwaukee, in the capacity of pharmaceutical chemist.

DR. E. C. SANDEK has been appointed production manager of the Consumers Yeast Company of San Francisco.

D. N. WADIA has been elected president of the Council of the National Institute of Science of India for the year 1945. Professor S. P. Agharkar and Sir S. S. Bhatnagar have been elected vice-presidents.

IN the first ceremony of its kind, according to the *Journal* of the American Medical Association, two hundred and ninety-two recent medical and dental graduates of Harvard University, Tufts College and Boston University received army and navy commissions on June 23 in combined exercises in the Harvard Medical School Quadrangle. The Army commissions were awarded by Major General Sherman Miles, commanding the First Service Command, the Navy by Rear Admiral Felix Gyax, commandant of the First Naval District. Major General Norman T. Kirk, Surgeon General of the Army, gave the principal address. Other speakers were Dr. Leonard Carmichael, president of Tufts College, and Dr. James B. Conant, president of Harvard University. Dr. Daniel A. Marsh, president of Boston University, pointed out that the first combined exercises of the three schools of medicine demonstrated the spirit of cooperation in medical education.

A SYMPOSIUM on Mathematical Statistics and Probability will be held at the University of California at Berkeley from August 13 to 18. Speakers and chairmen will include Dean G. P. Adams, Professor E. M. Beesley, Professor B. A. Bernstein, Professor A. H.

Copeland, G. B. Dantzig, Professor P. H. Daus, Professor J. L. Doob, Lieutenant Commander F. W. Dresch, Ph.D., Professor G. C. Evans, Professor Harold Hotelling, Professor P. L. Hsu, Professor J. H. McDonald, Professor A. H. Mowbray, Professor J. Neyman, Professor G. Polya, Professor Hans Reichenbach, Professor J. D. Tamarkin and Dr. Jacob Wolfowitz. Further information can be obtained by writing to the Statistical Laboratory, University of California, Berkeley 4, California.

THE National Research Council will act as adviser to the American Cancer Society in the proposed research program on the cancer problem. About a third of the five million dollars now being sought in the campaign of the society for funds will be devoted to research.

THE College of Medicine of the State University of Iowa, Iowa City, and the Iowa State Department of Health, in cooperation with the U. S. Public Health Service, will conduct at the State Hygienic Laboratory, Iowa City, from July 23 to 28, a special laboratory course in malaria and other tropical diseases.

THE *Journal* of the American Dental Association states that a group of specialists in the field of nutrition will leave shortly on a mission to help the undernourished people of Italy. Issac Schour and Maury Massler, both of the College of Dentistry of the University of Illinois, will be members of the mission, which is sponsored by the Unitarian Service Committee and the Congregational Christian Service Committee and which will go to Italy under the auspices of the United States Relief and Rehabilitation Administration. It will establish scientific standards for all large-scale feeding programs by UNRRA in newly liberated and destitute areas.

SPECIAL ARTICLES

NUTRITIVE VALUE OF THE MEXICAN TORTILLA¹

THE per capita consumption of corn in Mexico approximates 280 grams daily, but many persons of low economic status consume as much as 700 grams daily. Essentially all this corn is eaten as *tortillas*, the daily bread of Mexico.

Perez² has presented data on the mineral and pro-

tein content of *tortilla*. Zozaya and Alvarado³ have reported that a sample of *tortilla* contained no riboflavin, while samples of yellow corn and of white corn contained 0.21 mg and 0.20 mg, respectively. They did not indicate whether one of these corns was used in making the *tortillas* analyzed. A complete study of the nutritive value of *tortillas* has not been reported.

The preparation of *tortillas* has been described by Illescas.⁴ One part of corn is placed in two parts of approximately 1 per cent. lime solution, heated to about 80° C for 20 to 45 minutes, then allowed to stand until the following day. Boiling is avoided, for this would produce a *masa* which adheres to the

¹ This study was conducted by the Nutritional Biochemistry Laboratories of the Massachusetts Institute of Technology, in collaboration with the Mexican Institute of Nutrition and the Rockefeller Foundation, under the auspices of the Pan American Sanitary Bureau and with the financial support of the W. K. Kellogg Foundation.

² M. Perez y Perez, "Contribucion al Estudio de algunos de los alimentos Mexicanos." Thesis, National University of Mexico, 1943.

³ J. Zozaya and F. Alvarado R., *Revista del Inst. Salubridad Enfermedades Tropicales*, 4: 215, 1943.

⁴ R. Illescas, *Soc. Mex. Hist. Nat.*, IV: 129-134, 1943.