

Dr. Ray P. Dinsmore, manager, Development Department, The Goodyear Tire and Rubber Company, Akron, Ohio.

Admiral J. A. Furer, U. S. Navy, Washington.

Dr. Jerome C. Hunsaker, head of the departments of mechanical and aeronautical engineering, Massachusetts Institute of Technology.

H. W. Graham, director of metallurgy and research, Jones and Laughlin Steel Corporation, Pittsburgh.

S. D. Kirkpatrick, editor of *Chemical and Metallurgical Engineering*, New York.

LEAVES OF ABSENCE FOR WAR SERVICE AT THE UNIVERSITY OF MICHIGAN

Dr. UDO J. WILE, professor of dermatology and syphilology and chairman of the department at the University of Michigan, has been given a year's leave of absence to enable him to accept a commission as colonel in the Army. He will serve as medical director in charge of venereal disease control in the U. S. Public Health Service.

Dr. Henry M. Kendall, assistant professor of geography, has leave for the first semester of the academic year to accept an appointment to work with the Geographic Section of the Army Intelligence.

Dr. Malcolm H. Soule, professor of bacteriology and chairman of the Hygienic Laboratory, has been on leave of absence since September. He was consultant to the director of the Division of Health and Sanitation, coordinator of Inter-American Affairs at the Pan-American Sanitary Conference in Rio de Janeiro, September 7 to 17. He will remain in South America until the end of November investigating the activities of the division in that continent.

Dr. Lowell T. Coggeshall, professor of epidemiology, has leave of absence for the months of September and October. He is in Washington organizing medical facilities for the prevention of tropical diseases.

THE DEPARTMENT OF ZOOLOGY OF COLUMBIA UNIVERSITY

CHANGES in the staff of the department of zoology of Columbia University and the appointment of an advisory committee composed of zoologists in other institutions are announced by President Nicholas Murray Butler.

Professor James H. McGregor, who has been a member of the department since 1897, becomes professor emeritus of zoology. He will continue to give his course on "The Evolution of Man" in the Department of University Extension during the winter session.

Professor H. Burr Steinbach, assistant professor of zoology since 1938, has resigned to become associate professor in the department of zoology at Washington University. Professor Arthur W. Pollister, as-

sistant professor of zoology since 1935, has been promoted to be associate professor.

Dr. Robert Ballentine, National Research Council fellow at the Rockefeller Institute for Medical Research, has joined the department as lecturer in zoology. He will be associated with Professor Franz Schrader in instruction in elementary zoology and with Professor Pollister in the zoological part of the general science course in Columbia College.

Dr. Francis J. Ryan, National Research Council fellow at Stanford University, returns to Columbia as instructor in zoology. He will give the course in vertebrate zoology for students at Columbia College and will offer a course in invertebrate zoology for graduates and undergraduates. Mordecai Gabriel, lecturer in zoology, has been appointed university fellow.

Dr. Hans Ris, lecturer in zoology, has been appointed Seessel fellow in Yale University. Vernon Bryson has completed his work for the doctorate, and has been appointed to the research staff of the department of genetics of the Carnegie Institution of Washington, Cold Spring Harbor, L. I., N. Y. Dr. Daniel C. Pease, lecturer in zoology, has joined a war research project in the department of biology of Princeton University.

Members of the new Advisory Committee on Zoology, each of whom will serve for three years, are Professor H. B. Goodrich, Wesleyan University; Professor E. N. Harvey, Princeton University; Professor D. E. Lancefield, Queens College; Professor C. W. Metz, University of Pennsylvania; Professor H. J. Muller, Amherst College; Dr. W. Procter, Academy of Natural Sciences, Philadelphia; Professor A. S. Romer, Harvard University, and Professor L. L. Woodruff, Yale University.

The committee, it is planned, will hold annual meetings at Columbia to give the members of the Columbia department staff the benefit of their criticism and advice and to serve as a liaison between the department and the zoologists in other universities.

NATIONAL LECTURERS OF THE SOCIETY OF THE SIGMA XI

DR. GEORGE A. BAITSELL, secretary of the Society of the Sigma Xi, the national honor society for the promotion of scientific research, announces that five leading American scientific men have been named Sigma Xi national lecturers for 1943.

Chosen to address special meetings at universities and colleges throughout the nation, they will deliver their lectures during January, February, March and April of next year, and will discuss scientific subjects upon which they are authorities.

Each of the lecturers will speak in a series of insti-

tutions at dates and places to be announced later. The Sigma Xi lectures are annual events in the dissemination of the newest, important advances in the selected fields of science. The lecturers are:

Dr. G. D. Birkhoff, Perkins professor of mathematics at Harvard University, who will lecture on the "Mathematical Nature of Modern Physical Theories." He will endeavor to establish, in elementary terms, the fact that, since 1900, mathematical ideas have been responsible for theoretical advances of modern physical theories.

Dr. D. W. Bronk, professor of neurology at the University of Pennsylvania, will speak on the "Physical Structure and Biological Action of Nerve Cells." He will discuss this subject not only from the standpoint of research now in progress, but also with attention to the biological consequences of the demands of modern warfare and aviation.

Dr. Peter Debye, professor of chemistry at Cornell

University, whose topic is "The Magnetic Approach to Absolute Zero," will tell what prevents science from reaching the absolute zero, and discuss whether magnetic cooling can be applied to the nucleus of the atom.

Dr. C. A. Elvehjem, professor of agricultural chemistry at the University of Wisconsin, will discuss "The Present Status of the Vitamin B Complex." He will explain that the vitamin B complex consists of at least a dozen separate factors, each of which can be obtained in pure form. He will report recent work on the use of sulfaguanidine and the evidence for the synthesis of several B vitamins in the intestinal tract.

Dr. H. Mark, professor of chemistry at the Brooklyn Polytechnic Institute. The title of his lecture is "Fundamental Aspects of the Elasticity of High Polymers." He will explain that the high polymers are chemical compounds that provide us with rubber, plastics and fibers. Dr. Mark will discuss the structure of these complex chemicals which mean so much to our war effort.

SCIENTIFIC NOTES AND NEWS

JOSIAH K. LILLY, since 1882 chairman of Eli Lilly and Company, has been awarded the twenty-first Remington Medal by the Philadelphia College of Pharmacy in recognition of his distinguished services to pharmacy. The committee of selection was composed of past presidents of the American Pharmaceutical Association. The presentation of the medal is expected to be made in the autumn at a meeting of the New York branch of the association.

MAJOR GENERAL ROBERT U. PATTERSON, U. S. Army, retired, dean of the Medical School of the University of Oklahoma at Oklahoma City, having reached the retirement age of sixty-five years, has submitted his resignation.

DR. HARRY NOBLE WRIGHT, formerly professor of mathematics at the College of the City of New York, who has for eight months served as acting president, was installed as sixth president of the college on September 30. The principal address was made by Dr. Felix Frankfurter, justice of the Supreme Court. Among other speakers were Mayor LaGuardia and Dr. Nelson P. Mead, chairman of the department of history and for three years acting president of the college.

THE Michigan College of Mining and Technology has made the following appointments to replace men who have leave of absence in order to serve with the armed forces: Professor O. Gaylord Marsh, a former consul general of the United States with service in Canada, Europe, Latin America and Korea, special lecturer in world affairs and a member of the Spanish division of the languages department; Drs. George Machwart, A. R. Kendall and Ernest Epperson, department of chemical engineering; and Jesse C.

Butler, Earl Roberts and Thomas R. Richards, instructors in mathematics. Dr. Machwart has the rank of associate professor and Dr. Kendall that of assistant professor.

APPOINTMENTS of those who received in August doctorates of philosophy in agricultural and biological chemistry at the Pennsylvania State College are: James Russell Oyler, Nutrition Foundation research fellow at Columbia University; Isadore Zipkin, First Lieutenant, Sanitary Corps, U. S. Army; Laurence L. Layton, research department, Distillation Products, Inc., Rochester, N. Y.; Gertrude H. Spremulli, Ranger Aircraft Engines, Farmingdale, L. I.; Seymour S. Block, Seagram's, Lawrenceburg, Ind.

DR. I. FANKUCHEN, formerly of the University of Cambridge, England, has joined the staff of the department of chemistry of the Polytechnic Institute of Brooklyn for the coming academic year. Dr. Fankuchen, a former associate of Dr. W. L. Bragg, is known for his investigations in the field of x-ray and electron diffraction. The laboratory will be under the supervision of A. L. Davis, of the Polytechnic staff. Both the lecture and laboratory sessions will be held on Saturdays from 9 A.M. to 1 P.M., beginning on October 10.

AT Hofstra College, Dr. J. George Lutz has been made associate professor of chemistry and acting chairman of the department; Dr. E. Russell Stabler has been appointed assistant professor of mathematics, Dr. Leonard B. Brabee, assistant professor of chemistry, and H. Hunter Smith, assistant professor of physics.

SIR JOHN ORR, director of the Rowett Research