

Training and will be administered in the U. S. Office of Education by the same staff that has been handling the Engineering Defense Training, except that specialists in the new fields are being added.

The Advisory Committee has been enlarged by the addition of Dr. Homer L. Dodge, head of the department of physics and dean of the Graduate School of the University of Oklahoma; Dr. Clare E. Griffin, dean of the School of Business Administration of the University of Michigan, and Dr. N. W. Rakestraw, professor of chemistry at Brown University. No change is contemplated in the regional advisers. One institutional representative will, as heretofore, be named by each participating institution.

RESEARCH IN INDUSTRY

THERE was published in the last issue of *SCIENCE* a statement concerning the report of the survey of industrial research transmitted to the Congress by the National Resources Planning Board. The Committee on Survey of Research in Industry was composed of the following:

F. W. Willard, *chairman*, president, Nassau Smelting and Refining Company; C. L. Alsberg, director, Giannini Foundation of Agricultural Economics, University of California; C. H. Bailey, professor of agricultural chemistry and vice-director, Agricultural Experiment Station, University of Minnesota; Herbert A. Baker, president, American Can Company; Henry A. Barton, director, American Institute of Physics; L. W. Bass, assistant director, Mellon Institute of Industrial Research; Carl Breer, director of research, Chrysler Corporation; O. E. Buckley, president, Bell Telephone Laboratories, Incorporated; G. H. A. Clowes, research director, Eli Lilly and Company; W. D. Coolidge, director of research, General Electric Company; F. G. Cottrell; M. H. Eisenhart, president, Bausch and Lomb Optical Company; Charles N. Frey,

director, Fleischmann Laboratories; George R. Harrison, professor and director of the research laboratory of experimental physics, Massachusetts Institute of Technology; Maurice Holland, director, Division of Engineering and Industrial Research, National Research Council; Harrison E. Howe, editor, *Industrial and Engineering Chemistry*; Jerome C. Hunsaker, professor of aeronautical engineering, Massachusetts Institute of Technology; Martin Ittner, research director, Colgate-Palmolive-Peet Company; Frank B. Jewett, vice-president, American Telephone and Telegraph Company; John Johnston, director of research, United States Steel Corporation; Virgil Jordan, president, National Industrial Conference Board; F. T. Litchfield, consulting engineer and assistant vice-president, Wells Fargo Bank and Union Trust Company; L. W. Wallace, director, Division of Engineering and Research, Crane Company; E. R. Weidlein, director, Mellon Institute of Industrial Research; Frank C. Whitmore, dean of the School of Chemistry and Physics, Pennsylvania State College; R. R. Williams, chemical director, Bell Telephone Laboratories, Incorporated.

Members of the Science Committee of the National Resources Planning Board are:

Edwin B. Wilson, *chairman*, professor of vital statistics, School of Public Health, Harvard University; Arthur L. Day, vice-president, National Academy of Sciences; David L. Edsall, dean of Harvard School of Public Health, emeritus; Edward C. Elliott, president, Purdue University; Ross G. Harrison, *chairman*, National Research Council, and professor of biology, Yale University, emeritus; Dugald C. Jackson, professor of electrical engineering, Massachusetts Institute of Technology, emeritus; Charles H. Judd, dean of the Division of Education, University of Chicago, emeritus; Dexter M. Keezer, president, Reed College; Waldo G. Leland, director, American Council of Learned Societies; Charles R. Morey, Marquand professor of art and archeology, Princeton University; William F. Ogburn, professor of sociology, University of Chicago.

SCIENTIFIC NOTES AND NEWS

DR. GILBERT N. LEWIS has retired from the administrative duties of dean of the College of Chemistry and chairman of the department of chemistry of the University of California. He will continue as professor of chemistry. Professor Wendell M. Latimer has been appointed dean of the college; Professor Joel H. Hildebrand, chairman of the department, and Professor C. W. Porter, director of the laboratory.

DR. CLYDE FISHER, curator-in-chief of astronomy and director of the Hayden Planetarium of the American Museum of Natural History, who has been a member of the scientific staff for twenty-eight years, retired on August 1 and will become honorary curator of astronomy and honorary director of the planetarium. He will be succeeded by William H. Barton,

Jr., who has been executive curator of the planetarium.

DR. JAMES B. HERRICK, professor of medicine emeritus of Rush Medical College, has been elected an honorary member of the Cardiac Society of Great Britain and Ireland.

DR. NORMAN R. STOLL, associate member of the Rockefeller Institute for Medical Research, Princeton, N. J., received recently the degree of doctor of science from Mount Union College, Alliance, Ohio.

PROFESSOR J. L. MYRES and Professor R. M. Dawkins, formerly presidents of the Society for the Promotion of Hellenic Studies, went from Oxford to Boar's Hill, the home of Sir Arthur Evans, to present

to him on behalf of the society an illuminated address congratulating him on his ninetieth birthday on July 8. Professor Myres also presented to Sir Arthur an address from the British School of Archeology in Athens, of which he was one of the founders and to which he presented some years ago the site of the Palace of Knossus and his property in Crete to be a center for Cretan studies. Sir Arthur was president of the British Association for the Advancement of Science during the period from 1916 to 1919.

JULIA BELL, honorary Galton research fellow of University College, London, and member of the scientific staff of the Medical Research Council, has been awarded the Weldon Memorial Prize for 1941 of the University of Oxford.

ALFRED H. WHITE, professor of chemical engineering and head of the department at the University of Michigan, has been elected president of the Society for the Promotion of Engineering Education. H. T. Heald, of the Armour Institute of Technology, and F. L. Eidmann, professor of mechanical engineering at Columbia University, have been elected vice-presidents.

WILLARD C. BROWN, executive engineer of the Nela Park Engineering Department of the General Electric Company, Cleveland, has been elected president of the Illuminating Engineering Society, and will assume office on October 1. Howard M. Sharp, manager of the Lighting Bureau of the Niagara and Eastern Power Corporation, Buffalo, N. Y., was elected vice-president.

THE New York Psychoanalytic Society and the New York Psychoanalytic Institute have elected the following officers for 1941-42: *President*, Adolph Stern; *Vice-president*, Lillian D. Powers; *Secretary*, Philip R. Lehrman, and *Treasurer*, Samuel Atkin.

DR. WARREN C. HUNTER, for many years associated with the department of pathology of the Medical School of the University of Oregon, has been promoted to a full professorship in pathology.

DR. JACK MYERS, national research fellow in the Division of Radiation and Organisms of the Smithsonian Institution, has been appointed assistant professor of physiology at the University of Texas.

CHANGES in the department of chemistry at the Oregon State College for next year include the promotion of Dr. Bert E. Christensen from assistant to associate professor; Dr. Lloyd E. West and J. G. Roof from instructors to assistant professors, and the appointment of Dr. Max B. Williams and Dr. Allen B. Scott as instructors. Dr. William E. Caldwell, head of the division of inorganic chemistry, has been

called for a year's active duty in the Chemical Warfare Service, Edgewood, Md., with the rank of major.

PROFESSOR GERMAINE GUIOT, of the department of physical education for women at the Iowa State College, has been named head of the department to succeed Professor Winifred Tilden, who has served since 1903. Professor Tilden will continue as professor.

DR. GREGORY MASON, who was organizer and leader of a number of archeological exploring expeditions to South America and Central America from 1926 to 1936, has been appointed head of the School of Journalism of New York University.

THE *Journal* of the American Medical Association reports that Dr. Myron E. Wegman, lecturer in public health in the School of Hygiene and Public Health of the Johns Hopkins University, since 1936 pediatric consultant of the bureau of child hygiene of the Maryland State Department of Health, is serving as assistant professor of child hygiene in the School of Tropical Medicine of the University of Puerto Rico, under the auspices of Columbia University, and as assistant director of the division of education and research in charge of child hygiene in the insular Department of Health.

DR. OTTO MARBURG, from 1919 to 1938 director of the Neurological Institute of the University of Vienna, has lost his case in the New York State Court of Appeals for a license to practice medicine in the state. By a vote of five to two, the Court supported the State Board of Regents and Dr. Ernest E. Cole, State Commissioner of Education, in their refusal to indorse his Austrian medical license, which would have entitled him to practice here without taking an examination. Dr. Marburg is now clinical professor of neurology at the College of Physicians and Surgeons of Columbia University, on a Rockefeller Foundation grant of \$5,000, and is research neuropathologist at Montefiore Hospital, the Bronx. He came to the United States in 1938, when he applied to the Board of Regents for a license without examination. After the application had been rejected twice, he applied to the courts. He won decisions in the Supreme Court and Appellate Division, but these have now been overruled.

VERNON LAMB, instructor in physical chemistry at the University of Maryland for the past three years, has joined the section of electrochemistry of the National Bureau of Standards, Washington, D. C.

WILLIAM T. SWEENEY has resigned his position as research associate for the American Dental Association at the National Bureau of Standards, Washington, D. C., to become director of research for the Vernon-Benshoff Company, Pittsburgh, Pa.

DR. SAMUEL GELFAN has taken up his work as di-

rector of research of the Van Patten Pharmaceutical Company, Chicago.

DR. EARL N. BRESSMAN, of the U. S. Department of Agriculture, has been appointed the United States representative on the Inter-American Commission of Tropical Agriculture. This commission was established to plan an Inter-American Institute of Tropical Agriculture and to encourage rubber production in the Western Hemisphere.

CHARLES F. GOLDTHWAIT has been appointed senior cotton technologist of the new Southern Regional Research Laboratory at New Orleans of the U. S. Department of Agriculture, and is in charge of the modified finishing section of the cotton chemical finishing division. He has worked on the chemical treatment of cotton at the Mellon Institute of Industrial Research.

DR. H. H. NEWMAN, professor of zoology emeritus of the University of Chicago, on July 9 gave a convocation address before the summer session of Indiana University on "The Use of Twins in the Human Heredity-Environment Problem." In the evening he also conducted an open seminar on multiple human births.

THE eighty-ninth annual meeting of the American Pharmaceutical Association will be held at Detroit from August 16 to 23.

THE American Dental Association will hold its eighty-third annual convention in the Sam Houston Coliseum, Houston, Texas, from October 27 to 31. Headquarters will be in the Rice Hotel.

A CONFERENCE on Visual Problems was held at the Ohio State University on June 18 and 19. It brought together leading scholars actively engaged in research on various problems of vision. The participants included representatives from the fields of visual psychology, neuro-physiology, physiological optics, colorimetry, biophysics, illumination engineering, optometry and ophthalmology. Speakers on the program included Professor Selig Hecht, of Columbia University, and Professor Walter R. Miles, of Yale University.

THE Boston Society of Natural History announces that original, unpublished essays on any subject in

the field of ornithology are eligible for the Walker Competition for 1942. Further information may be obtained from the Secretary, 234 Berkeley Street, Boston. The closing date is May 1, 1942.

It was stated in a recent number of *SCIENCE* that the University of Texas had received a grant for the establishment of "the first laboratory of marine biology on the Gulf of Mexico." We are now informed that the Louisiana State University has maintained a class in marine biology at Grand Isle since 1928, and has occupied its own building since 1936. The laboratory has had an instructional staff consisting of members of the departments of zoology and botany, also instructors from elsewhere, and guest workers, in addition to the regular student body. This summer the staff consists of Dr. E. H. Behre, Dr. H. J. Bennett, Dr. J. H. Roberts, all of the department of zoology of the university, and Dr. Lauretta E. Fox, of the Louisiana State Normal College. The laboratory is open and available during the winter season to independent workers who may wish to use the facilities for intermittent or continuous periods.

THE third summer course in industrial statistics will be given at the Massachusetts Institute of Technology from September 8 to 20. This course is intended for workers in industrial plants and scientific laboratories who would like to acquire the rudiments of modern statistical technique as applied to inspection, to the design and analysis of factory and laboratory experiments, and to control of the quality of industrial output. The course will include lectures, discussions and laboratory work on the following subjects: judging results based on one or more small samples, identification of factors responsible for poor and variable quality, specifications and risks of producers and buyers, methods of sampling and their relationship to inspection, methods of experimenting under ordinary factory conditions, the design and analysis of small scale laboratory experiments. These methods will be applied in detail to practical problems analyzed at the institute during the past several years. Inquiries should be directed to Professor George P. Wadsworth, of the department of mathematics, or to Professor Harold A. Freeman, of the department of economics.

DISCUSSION

ILLUSIONS IN PRINTED MATTER

RECENTLY Christian A. Ruckmick¹ described an optical illusion seen when a page of typewriting on onion-skin paper is laid upon a carbon copy of the same

writing. When the two sheets are about 5° from being parallel a series of white concentric circles can be seen. The circles are not complete, but are made up of a number of arcs separated from one another by intervening letters. The breaks in the circles are little more

¹ *SCIENCE*, 93: 2410, 236, March 7, 1941.