

The airport is the first unit of the planned facilities for education and research in the many phases of aviation. The ultimate aim is to have in one university the plant and personnel to cover the economic, sociological and medical problems, as well as the technological problems of aeronautics. The new airport will be open for military and commercial use, for civilian flying and will at the same time serve as a research laboratory for the university.

The official announcement of the plans gives the following objectives for the university in relation to aviation:

1. To serve the industry by providing education for such college-trained personnel as are needed in the design, construction and production of all types of airplanes and engines; in the whole field of commercial air transport for both foreign and domestic service; and in airport design, construction, operation and maintenance.

2. To develop research personnel for private, commercial, government and university laboratories.

3. To provide teacher-training programs for high-school teachers, both specialists who teach aviation courses and non-specialists who teach high-school courses related to aviation.

4. To develop and direct off-campus educational programs for technical or industrial personnel and teachers, and for adults interested in the social, economic and political implications of aviation.

5. To provide short courses on the campus to educate university graduates in the newest developments and needs of aviation, and to keep them abreast of changing needs and knowledge.

6. To provide flight instruction for limited numbers of properly qualified students under sponsorship of the CAA or the Reserve Officers' Training Corps. (For example, high-school teachers who expect to handle special aviation courses should acquire some slight experience.)

7. To develop, in cooperation with the aviation industry, the CAA, the Army and Navy air forces and with other interested national agencies, cooperative research programs related to air transportation.

#### THE COMMITTEE ON PHARMACEUTICAL RESEARCH OF THE AMERICAN PHARMACEUTICAL ASSOCIATION

THE Committee on Pharmaceutical Research of the American Pharmaceutical Association announces the availability of certain limited funds for research grants.

These grants are to be made by the council on the recommendations of the Committee on Pharmaceutical Research. They are to be made on the premises:

- (a) the extent which the award will serve to promote pharmaceutical research;

- (b) whether the award supplements the American Pharmaceutical Association laboratory program;

- (c) the qualifications of those who will perform the

work for which the award is made and the facilities of the laboratory where the research will be conducted;

- (d) preference will be given to applications wherein the award will supplement a contribution from the institution or laboratory in which the research will be conducted.

Those interested in being considered for the above awards should communicate promptly with the chairman of the Committee on Pharmaceutical Research (Ivor Griffith, 43d and Kingessing Ave., Philadelphia 4, Penna.) who will send an application blank which, when returned, will supply all the details that will enable the committee to evaluate carefully the projects listed in the application. These applications should be forwarded promptly so that they can be given early consideration.

IVOR GRIFFITH,

*Chairman of the Committee on Pharmaceutical Research*

#### SYMPOSIA OF THE AMERICAN CHEMICAL SOCIETY

A SYMPOSIUM on "Frontiers in Biochemistry" will be held by the Division of Biological Chemistry at the one hundred and eighth meeting of the American Chemical Society, which meets in New York City from September 11 to 15. It is announced that twenty-nine papers will be presented at five sessions. The subjects to be discussed include human plasma, penicillin and vitamins. Dr. Elmer M. Nelson, of the U. S. Food and Drug Administration, Washington, D. C., chairman of the division, will preside. Institutions represented on the program are Columbia, Cornell, Harvard, Minnesota, Missouri, Pittsburgh, Rutgers, Stanford, Texas, Wisconsin and Yale, the Rockefeller Institute, New York; the Mayo Clinic, Rochester, Minn.; Lankenau Hospital, Philadelphia; the Massachusetts General Hospital, Boston; the U. S. Department of Agriculture and Distillation Products, Inc., Rochester, N. Y.

Among the speakers and their subjects are the following:

Dr. Henry C. Sherman, of Columbia University, now working with the U. S. Department of Agriculture, will present a paper on "Nutritional Principles in Wartime Food Problems." "Studies on Vitamins B-10 and B-11" will be reported by a group from the University of Wisconsin composed of Drs. C. A. Elvehjem, J. M. Briggs, Jr., T. D. Luckey and E. B. Hart. "The Chemistry of Muscle During Shock" will be the subject of a paper by Jesse L. Bollman and Eunice V. Flock, of the Mayo Foundation.

Dr. Karl Meyer and Eleanor Chaffee, of Columbia University, will speak on "Biologically Active Derivatives of Penicillin."

Dr. Rollin D. Hotchkiss, of the Rockefeller Institute,

will make an address on "The Mode of Action of Gramicidin in Bacteria." Drs. Leonor Michaelis and F. Grannick, also of Rockefeller Institute, will read a paper on "Ferritin and Its Significance for Iron Metabolism."

Abraham White and T. F. Dougherty, of Yale University, will discuss "The Influence of Hormones on Serum Proteins." Research in "Physicochemical Characteristics of Albumins and Globulins of Human Plasma" will be reported by a Harvard group composed of Drs. L. E. Strong, J. L. Oncley, D. J. Mulford, W. L. Hughes, Jr., and E. J. Cohn. "Carbon Monoxide" will be the topic of a paper by F. J. W. Roughton, of Columbia University.

A report on "Clinical and Chemical Studies of the E Vitamins" will be presented by Dr. Philip L. Harris and K. Hickman, of Distillation Products, Inc. Dr. Roger J. Williams, of the University of Texas, will discuss "Studies on the Problem of the Significance of Folic Acid." Drs.

T. F. Zucker, Lois Zucker and W. M. Sperry, of Columbia University, will speak on "Relative Growth" and on "The Distribution of Nitrogen, Fat and Water during the Life Cycle."

A second symposium to be held at the New York meeting will deal with sympathomimetic agents, compounds that affect the sympathetic nervous system of the body. It will be sponsored by the Division of Medicinal Chemistry, of which Dr. John H. Speer, of G. D. Searle and Company, Niles Center, Ill., is chairman. Papers will be read by Drs. Harry Gold, Cornell University Medical College, New York; Walter H. Hartung, University of Maryland; C. R. Scholz, Ciba Pharmaceutical Products, Inc., Summit, N. J.; M. L. Tainter, Winthrop Chemical Company, Rensselaer, N. Y.

## SCIENTIFIC NOTES AND NEWS

THE eighth Edward Goodrich Acheson Medal and thousand dollar prize of the Electrochemical Society has been conferred on Dr. William Blum, chief of the Section of Electrochemistry of the U. S. Bureau of Standards, in recognition of his work for the standardization of electroplating methods and of plating formulas. The presentation will take place at the autumn convention of the society, which will open at Buffalo on October 13. Past recipients of the Acheson Award are: Edward G. Acheson, graphite and carborundum; Edwin F. Northrup, induction furnaces; Colin G. Fink, tungsten, chromium and tin; Frank J. Tone, silicon and silicon carbide; Frederick M. Becket, ferro-alloys; Francis C. Frary, aluminum; and Charles F. Burgess, electrolytic iron and dry batteries.

THE Borden Award, a gold medal and \$1,000, for the most distinguished contribution to poultry science during the past year was presented at the recent annual meeting in Chicago of the Poultry Science Association to Dr. Fred R. Beaudette, poultry pathologist at the New Jersey Agricultural Experiment Station.

DR. BRUNO OETTINGER, curator of the department of physical anthropology of the Museum of the American Indian of the Heye Foundation, New York City, has been elected a corresponding member of the Sociedad Geografica of La Paz, Bolivia.

THE honorary degree of doctor of science was conferred at the commencement of the University of Maine on Dr. William H. Martin, dean of the College of Agriculture of Rutgers University.

THE University of St. Andrews has conferred the degree of LL.D. on Sir Robert Robinson, Waynflete professor of chemistry at the University of Oxford.

AT his request Dr. Ernst A. Bessey retired on July 1 from his work as dean of the Graduate School of the Michigan State College of Agriculture and Applied Science, a position that he has held since 1930. He is succeeded by Dr. R. C. Huston, dean of the Division of Applied Science. Dean L. C. Emmons, of the Liberal Arts Division, has been appointed dean of the School of Science and Arts, which has been formed by the merger of the Divisions of Applied Science and of Liberal Arts. Dr. Bessey continues as head of the department of botany.

DR. E. RAYMOND HALL, associate professor of vertebrate zoology and curator of mammals in the Museum of Vertebrate Zoology of the University of California at Berkeley, has a year's leave of absence to enable him to become professor of zoology, chairman of the department and director of the Museum of Natural History at the University of Kansas. He is taking the place of Professor H. H. Lane, who has reached the age of retirement for administrative appointees, but who will continue his work as professor of zoology.

DR. WILLIAM M. WHYBURN, chairman of the department of mathematics of the University of California at Los Angeles, has been elected president of the Texas Technological College. He has had leave of absence from the university for the past year to enable him to serve as a civilian officer with the operations analysis section of the Army Air Forces.

AT Indiana University Dr. Tracy Y. Thomas, since 1938 professor of mathematics at the University of California at Los Angeles, has been appointed chairman of the department of mathematics; Dr. Frank K. Edmondson has succeeded Professor W. A. Cogshall,