

- July 29.—E. Lequeur, professor of physiology, University of Amsterdam, "Sex hormones."
- Aug. 1.—G. v. Anrep, lecturer in physiology, University of Cambridge, "Conditioned reflexes."
- Aug. 8.—M. v. Frey, professor of physiology, University of Würzburg, "Physiology of the special senses."
- Sept. 9.—Bernhard Fischer, professor of pathology, University of Frankfurt a. M., "Gas treatment of malignant tumors."
- Sept. 13.—Kurt Felix, Second Medical Clinic, Munich, "The oxidation of uric acid in the animal body."
- Sept. 16.—Joseph Barcroft, professor of physiology, University of Cambridge, "Hemoglobin."
- Sept. 17.—Joseph Barcroft, "The spleen and the circulation."
- Sept. 26.—Z. A. Orbeli, professor of physiology, Medical Institute, Leningrad, "Studies on the function of the sympathetic system."
- Sept. 27.—George V. Volborth, professor of physiology, State University of Kharkov, Ukraine, "Conditioned reflexes."
- Oct. 1.—Friedrich Verzar, professor of physiology, University of Debreczen, "The hormonal regulation of the number of red blood corpuscles."
- Oct. 3.—Leon Asher, director of physiological institute, Berne, "New facts on the physiology of the thyroid gland."
- Oct. 4.—Leon Asher, "The action of specific diuretics and the secretion of urine under physiological conditions."
- Oct. 7 and 8.—Karl Thomas, director of the physiological institute, Leipzig, "Metabolism of food and tissue protein."

SYMPOSIUM ON AIRCRAFT MATERIALS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS

At the annual meeting of the American Society for Testing Materials, which will be held at Atlantic City from June 23 to 27, 1930, a symposium on aircraft materials is planned, to which will be devoted two sessions. The committee on papers and publications has secured the cooperation of an advisory committee which will assume responsibility for securing the papers and authors. This committee, under the chairmanship of Mr. H. C. Knerr, consists of the following:

- H. C. Knerr, chairman, consulting metallurgical engineer, Philadelphia, Pa.
- E. P. Warner, editor, *Aviation*, McGraw-Hill Publishing Company, Inc.
- National Advisory Committee for Aeronautics*: Dr. G. W. Lewis, Washington, D. C.
- Bureau of Aeronautics, U. S. Navy Department*: Commander R. D. Weyerbacher, manager, Naval Aircraft Factory, U. S. Navy Yard, Philadelphia, Pa.

Army Air Service: J. B. Johnson, chief, material section, Air Corps, Wright Field, Dayton, Ohio.

U. S. Department of Commerce: Major Clarence E. Young, chief, aeronautics branch, U. S. Department of Commerce, Washington, D. C.

U. S. Bureau of Standards: H. L. Whittemore, chief, engineering mechanics section, VI-5; Dr. H. S. Rawdon, senior metallurgist.

Guggenheim Foundation: Dr. Alexander Klemin, consulting engineer, School of Aeronautics, New York University.

Massachusetts Institute of Technology: Dr. J. S. Newell.

Aircraft and Engine Manufacture: Harold Backus, materials engineer, Berliner-Joyce Co., Baltimore, Maryland; Captain H. C. Richardson, director of engineering, Great Lakes Aircraft Corporation, Cleveland, Ohio; T. P. Wright, chief engineer, Curtiss Aeroplane and Motor Corporation, Garden City, L. I., New York; R. R. Moore, metallurgist, Wright Aeronautical Corporation, Paterson, New Jersey.

Materials Manufacture: Dr. R. S. Archer, director of research, Aluminum Company of America, Cleveland, Ohio; Dr. J. A. Mathews, vice-president and metallurgist, Crucible Steel Company of America, New York City.

It is expected that perhaps twelve to fifteen papers will be secured, each definitely limited in size so as to constitute essentially a résumé and summary of existing knowledge on the subject covered. The symposium will be confined to the consideration of materials entering into the engines and structure. It is expected that much information of value to the aircraft industry will be developed.

ASTRONOMERS CARRYING ON RESEARCHES AT THE HARVARD OBSERVATORY

FOUR astronomers have recently arrived at the Harvard Observatory for longer or shorter stays to carry on researches. In making this announcement the observatory made public a list of five visitors who have recently left after pursuing researches with the aid of the observatory staff.

Dr. J. S. Plaskett, director of the Dominion Astrophysical Observatory, Victoria, B. C., has arrived to spend two or three weeks. He is a special student of the rotation of the galaxy, and has in his charge the second largest telescope in the world—the property of the government of Canada. Dr. Plaskett is the father of Professor H. H. Plaskett, of the Harvard Observatory.

Professor Svein Rosseland has been called as lecturer in cosmic physics for one year. He is director of the University Observatory at Oslo, Norway, and is one of the leading men of Europe in theoretical astrophysics. He is lecturing in astronomy 11, a theoretical course in cosmic physics.