

for research at Yale University this year are of foreign birth. These include Dr. Blythe A. Eagles, of the University of Toronto, who is conducting research in biochemistry; Amihud Crasovsky, of Jaffa, Palestine, a graduate of the University of California, who is in the department of botany; Catherine L. T. Lucas, B.Sc., University of London, M.Sc., London School of Tropical Medicine and Hygiene, who is in the department of zoology; Paul Slavenas, of the University of Lithuania, Kaunas, Lithuania, who is conducting research in astronomy, and Desire T. Veltman, of the University of Holland, of Dutch citizenship, who is in the department of philosophy. Mr. Dirk Brouwer, who is assistant at the observatory at Leiden, Holland, is doing work in astronomy at Yale.

The Lilly research fellowship in organic chemistry has been awarded this year for the first time. The recipient is Dr. Richard Helmuth Fred Manske, Ph.D., Manchester University, England, 1926. Dr. Manske is conducting research in organic chemistry under Professor Treat B. Johnson.

Among the visiting members of the faculties of other institutions who are making use of the facilities of the university are, Professor Magumi Eri, of the Higher School for Women, of Nari, Japan, who is working under Professor Ross G. Harrison in the department of zoology; Professor C. C. Chen, Ph.D., Yale, of Shanghai College, who is undertaking special research in bacteriology, and Miss Isabella Gordon, Ph.D., University of London, from Scotland, is doing research work in zoology and anatomy.

#### PUBLIC LECTURES ON ASTRONOMY

A SERIES of five "Open Nights," under the auspices of the Bond Astronomical Club, are being held at the Harvard College Observatory. A short non-technical talk is followed, when the weather permits, by telescopic observations of celestial objects. Exhibits showing the work of the observatory are explained by members of the club. Tickets for these open nights must be obtained in advance. There is no charge for admission. The lectures begin at 7:45 P. M. The dates, titles of lectures and the speakers are as follows:

Oct. 10.—*The full moon and the eclipsed moon.* Dr. W. J. Fisher.

Oct. 13.—*The winter constellations.* Dr. Cecilia H. Payne.

Oct. 18.—*The planets.* Mr. Leon Campbell.

Oct. 24.—*New stars.* Dr. Annie J. Cannon.

Oct. 27.—*Star clouds and nebulae.* Professor Solon I. Bailey.

The Astronomical Society of the Pacific has ar-

ranged two series of lectures for the coming season, one of six lectures at Culbertson Hall, Pasadena, and one of six lectures at the Public Library, Los Angeles. All of these are free to the public, although tickets, which may be obtained at the office of the Mount Wilson Observatory, will be needed for admission to all lectures in Culbertson Hall. All the lectures are to begin at 8:00 P. M. The subjects, dates and lecturers are:

#### *Culbertson Hall, Pasadena*

Sept. 29.—*Sun rays in the service of man.* Dr. C. G. Abbot.

Oct. 27.—*The exploration of space.* Dr. E. P. Hubble.

Nov. 17.—*Sun-spots.* Dr. S. B. Nicholson.

Dec. 15.—*Stars in action.* Professor A. H. Joy.

Jan. 26.—*How stars are made.* Dr. H. N. Russell.

Feb. 24.—*Our planet neighbors.* Dr. R. G. Aitken.

#### *Public Library, Los Angeles*

Dec. 15.—*Telescopes.* Dr. F. G. Pease.

Jan. 19.—*The sun.* Professor F. Ellerman.

Feb. 23.—*The solar system.* Dr. R. G. Aitken.

March 23.—*Giant and dwarf stars.* Dr. F. C. Leonard.

#### CHANGES IN THE ORGANIZATION OF THE U. S. BUREAU OF STANDARDS

AN important change in the administrative organization of the U. S. Bureau of Standards, which it is believed will make for increased efficiency through a better grouping of the bureau's numerous activities, has been announced by the director, Dr. George K. Burgess.

Under the new arrangement, Dr. L. J. Briggs has been appointed assistant director in charge of research and testing, while Ray M. Hudson becomes assistant director in charge of commercial standards.

The regrouping is a recognition of the importance of standardization in the commercial world, this portion of the bureau's work having grown with great rapidity during the last few years.

As stated above, the bureau's activities will be divided into two main groups. The first, under the immediate supervision of Dr. Briggs, will include all the bureau's scientific research and testing, the development, construction, custody and maintenance of reference and working standards and their intercomparison, improvement and application in science, engineering, industry and commerce.

The second group, headed by Mr. Hudson, will include the supervision, direction, formulation and coordination of commercial standards, with particular reference to the needs of industry, involving the oversight of the division of simplified practice, division of commercial standards and part of the work of the division of building and housing relating to codes and

standards. In addition, the correlation of the work of the federal specifications boards with commercial practice, and liaison duties with other branches of the Department of Commerce and with other departments in questions relating to commercial standards will be included in this group.

Dr. Briggs will act as executive head of the bureau when the director is absent in the management and supervision of the administration, scientific and technical work. He will also continue as liaison officer on matters of aeronautics between the Bureau of Standards, the aeronautics branch of the Department of Commerce and other branches of the government.

#### DIVISION CHAIRMEN OF THE NATIONAL RESEARCH COUNCIL

THE following chairmen of divisions of the National Research Council have been appointed for the current academic year:

- Division of Federal Relations, George Otis Smith, director, U. S. Geological Survey.
- Division of Foreign Relations, R. A. Millikan, director, Norman Bridge laboratory of physics, California Institute of Technology, Pasadena.
- Division of States Relations, Raymond A. Pearson, president, University of Maryland.
- Division of Educational Relations, Vernon Kellogg, permanent secretary, National Research Council.
- Division of Physical Sciences, Dayton C. Miller, professor of physics, Case School of Applied Science.
- Division of Engineering and Industrial Research, Elmer A. Sperry, president, Sperry Gyroscope Company, Brooklyn, New York.
- Division of Chemistry and Chemical Technology, Frank C. Whitmore, professor of chemistry, Northwestern University.
- Division of Geology and Geography, Waldemar Lindgren, professor of economic geology, Massachusetts Institute of Technology.
- Division of Medical Sciences, Howard T. Karsner, professor of pathology, Western Reserve University.
- Division of Biology and Agriculture, William Crocker, director, Boyce Thompson Institute for Plant Research, Yonkers, New York.
- Division of Anthropology and Psychology, Knight Dunlap, professor of experimental psychology, the Johns Hopkins University.

#### SCIENTIFIC NOTES AND NEWS

THE Harben gold medal of the Royal Institute of Public Health for 1928 has been awarded to Sir Ronald Ross in recognition of his eminent services to public health.

THE Morris Liebmann memorial prize of \$500, for 1927, has been awarded to Dr. A. Hoyt Taylor, of

the Naval Research Laboratory, in Washington, according to an announcement by Dr. Ralph Bown, president of the Institute of Radio Engineers, at a meeting of the institute held in the Engineering Societies' Building, New York, on October 4.

THE Helen Culver gold medal of the Geographic Society of Chicago has been awarded to Dr. Gilbert H. Grosvenor, president of the National Geographic Society and editor of its magazine. The medal is for eminent accomplishments in the promotion of geography.

IN recognition of his scientific work in the domain of pathology, Dr. Louis B. Wilson, of the Mayo Clinic, has been elected an honorary member of the Czech Medical Society of Prague. This society was founded by the famous physiologist, J. E. Purkinje, who was its president until his death in 1869.

DR. EDWARD R. WEIDLEIN, director of the Mellon Institute of Industrial Research, University of Pittsburgh, has been elected an honorary member of the Chemical, Metallurgical and Mining Society of South Africa.

*Nature* states that in the course of the Congress of the Institut International d'Anthropologie, which was held at Amsterdam from September 20 to 27, it was announced that the Prix Hollandais of the institut had been awarded to Miss Dorothy A. E. Garrod in recognition of her work in prehistoric archeology, and especially for her excavation of the cave at the Devil's Tower, Gibraltar.

PROFESSOR VITTORIO ASCOLI, director of the Clinica Medica of Rome, has received from the University of Edinburgh the degree of doctor *honoris causa*.

PROFESSOR FOREST RAY MOULTON, director of the department of astronomy of the University of Chicago, has resigned to become associated in an executive capacity with the Utilities Power and Light Corporation of Chicago.

DR. MONTROSE T. BURROWS has resigned as head of the research department of the Barnard Free Skin and Cancer Hospital.

C. F. MARBUT, in charge of soil survey work, U. S. Bureau of Chemistry and Soils, has been appointed a member of the interbureau corn-borer committee by Dr. A. F. Woods, director of scientific work. This committee, whose object it is to determine what aid the various bureaus of the department may give in the corn-borer control work, includes representatives of the Bureaus of Plant Industry, Public Roads, Animal Industry, Agricultural Economics, Dairy Industry, Extension Service, Chemistry and Soils and Entomology.