

aminer, March 26-28, May 21-23, July 23-25, \$1,500 a year.

Department of Agriculture: Assistant horticulturist, March 18, \$1,800 to \$2,200 a year; superintendent of road construction, March 25, \$150 to \$250 a month; assistant dairy husbandman, March 26, \$1,500 to \$1,740 a year; scientific assistant, April 22-23, \$900 to \$1,800 a year; United States Game Warden, May 7, \$1,500 a year; physical laboratory helper, March 12, April 9, May 7, and June 4, \$600 to \$900 a year.

Department of Commerce: Physical laboratory helper, March 12, April 9, May 7, and June 4, \$600 to \$900 a year; Bureau of Fisheries: Apprentice fish culturist, March 12, April 9, May 7, and June 4, \$600 to \$960 a year. Coast and Geodetic Survey: Marine engineer, April 1, \$100 to \$140 a month.

Interdepartmental Social Hygiene Board: Supervisor, social hygiene (open to women only), March 25, \$2,000 to \$2,500 a year; assistant special agent, social hygiene (open to women only), March 25, \$600 to \$1,000 a year.

National Advisory Committee for Aeronautics: Chief physicist, qualified in aeronautics, March 25, \$3,000 a year; physicist, March 25, \$2,100 a year.

Full information and application blanks may be obtained by addressing the United States Civil Service Commission at Washington, D. C., or the civil-service district secretary at Boston, New York, Philadelphia, Atlanta, Cincinnati, Chicago, St. Paul, St. Louis, New Orleans, Seattle, or San Francisco.

THE COMMITTEE ON GRANTS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE Committee on Grants was appointed by the council of the association to distribute the annual appropriation for research. It is intended that encouragement and support be given to investigations in any of the fields covered by the activities of the association. For the current year the sum of \$4,000 has already been assigned, and will be available on April 1. Preference will be given to applications in which definite statement is made

of the nature of the problem, the main item of expense, and the probable time for completion of the research. Recipients of grants are expected to agree to the following conditions:

1. The work as outlined will be begun in the near future and efforts will be made to complete it at as early a date as possible.

2. A report will be made to the secretary of the committee on the completion and publication of the work, and in December of each year until the work is completed. The reports will include a financial statement with vouchers for the larger items.

3. In the publication of the results the grant from the Research Fund of the American Association for the Advancement of Science will be acknowledged.

The membership of the committee for the year 1919 is: Henry Crew, chairman; N. L. Britton, W. B. Cannon, J. McK. Cattell, R. T. Chamberlin, L. I. Dublin, G. N. Lewis, G. H. Parker, Joel Stebbins, secretary.

All applications for grants should be received not later than March 15 by the secretary of the committee, who will see that they are properly considered.

JOEL STEBBINS,
Secretary

UNIVERSITY OF ILLINOIS OBSERVATORY,
URBANA, ILL.

SCIENTIFIC NOTES AND NEWS

PROFESSOR EDWARD L. NICHOLS, who will reach the age of sixty-five, on September 14, has tendered his resignation of the professorship of physics, at Cornell University, which he has held since 1887.

THE Paris Academy of Sciences has elected Major General Sir David Bruce, F.R.S., to be a foreign correspondent in the section of medicine and surgery.

COLONEL VICTOR C. VAUGHAN, dean of the medical school, of the University of Michigan, will return to the university and resume his duties for the second semester. Colonel Vaughan has been in Washington since the entrance of the United States into the war,