

ington, of the Medical College of South Carolina, will preside.

Sessions will be devoted to other fields of chemistry, including cellulose, colloids, gas and fuel, chemical education, paint and varnish, sugar and physical and inorganic chemistry. The presidential address will be delivered by Professor Roger Adams, of the University of Illinois.

Dr. William Albert Noyes, emeritus director of the laboratories of the University of Illinois, will receive the Priestley Medal, the highest honor of the American Chemical Society, which is bestowed every three years "for distinguished service to chemistry." The American Chemical Society Award in Pure Chemistry of \$1,000 will be presented to Dr. Raymond M. Fuoss, of Brown University.

#### GRANTS IN AID OF RESEARCH FOR 1936 OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

FROM various donors, the association has received in the past funds with the provision that the income thereof be used in making small grants for the encouragement of research. The allotment of these funds is assigned to the Committee on Grants. Within recent years, the committee has been inclined to prefer recommending the appropriation of sums to aid in the completion of important projects already initiated or to supply apparatus or facilities in circumstances where adequate funds are not otherwise available. The committee has ordinarily at its disposal the sum of \$3,000.

Individual grants have previously been limited to amounts of less than \$500, and many smaller sums have been useful in meeting emergency needs or such as are not covered by other agencies. Applications for grants are filed on special blanks which may be secured from the office of the permanent secretary. It is important that each application be supported by letters from at least two sponsors who are personally acquainted both with the applicant and with the project and are able to speak specifically regarding both items.

The membership of the committee for the current year is as follows: Arthur H. Compton (1937) (for physics), University of Chicago; J. B. Macelwane (1936) (for geology), St. Louis University; William Crocker (1935) (for botany), Boyce Thompson Institute; Philip Fox (1935) (for astronomy), Adler Planetarium; McKeen Cattell (1935) (for medical sciences), Cornell Medical School; M. Gombert (1935) (for chemistry), University of Michigan; C. C. Little (1937) (for zoology), Jackson Memorial Laboratory; Walter R. Miles (1936) (for psychology), Yale University. The committee prefers that all correspondence be addressed to the permanent

secretary and not to individual members. The fiscal year of the association opens on October 1 and closes on September 30 following. All grants not utilized within the year normally revert to the treasury of the association on October 1.

Applications for grants for 1936 must be received at the permanent secretary's office in Washington, D. C., on or before October 30. Reports which are incomplete or late in arrival can not be considered for the year 1936. The report of the committee is laid before the executive committee and the council at the annual meeting in December and payment of approved grants is made by the treasurer following that meeting. Unused portions of grants should be returned on October 1 of each year.

Publications including results obtained by virtue of the assistance rendered through grants should contain due acknowledgment of the aid furnished by the association. Recipients of grants are expected to make at least one report, which should be filed with the permanent secretary not later than October of the year for which the grant was made. In case completion of the report is delayed, notice should be sent to the permanent secretary's office, and a statement of the results obtained in the research should be made at the time the report is filed.

HENRY B. WARD,  
*Permanent Secretary*

#### BIRTHDAY HONORS OF THE KING OF ENGLAND

As cabled from Europe and announced in *SCIENCE* the birthday honors of King George of England included the Order of Merit of the British Empire conferred on Sir Frederick Gowland Hopkins, president of the Royal Society, "in recognition of his eminent services to biochemistry, especially in connection with the discovery of vitamins." A baronetcy was conferred for public services on Dr. Evan Williams, president of the Mining Association of Great Britain.

Other honors include:

##### *Knights Bachelors:*

Noel Ashbridge, chief engineer of the British Broadcasting Corporation.

Professor Joseph Barcroft, professor of physiology, University of Cambridge.

Dr. Arthur John Hall, emeritus professor of medicine, University of Sheffield, for distinguished service to medicine and medical science, with special reference to problems of the health of industrial workers.

John Hepburn Milne Home, vice-chairman, Advisory Council to Department of Agriculture for Scotland, for services to agriculture.

Patrick Playfair Laidlaw, pathologist to the Medical

Research Council, for distinguished service to medical science.

Arthur Pugh, general secretary of the Iron and Steel Trades Confederation and of the British Iron, Steel and Kindred Trades Association.

*The Order of Knight Companion of the British Empire:*

Dr. John Cunningham M'Lennan, professor emeritus and visiting professor of physics, University of Toronto, for fundamental discoveries in physics and for scientific services.

*The Order of Companion of the Bath:*

Dr. William Thomas Calman, keeper of zoology, British Museum of Natural History; president of the Linnean Society of London.

Dr. Frank Sturdy Sinnatt, director of fuel research, Department of Scientific and Industrial Research.

**AWARDS IN THE SCIENCES OF THE AMERICAN MEDICAL ASSOCIATION**

IN the Class I exhibits at the meeting of the American Medical Association at Atlantic City the gold medal was awarded to an exhibit showing ergotocin, a crystalline form of the active principle in ergot, discovered after three years of research by the cooperative efforts of three physicians, Dr. M. Edward Davis, Dr. Fred L. Adair and Dr. Gerald Rogers, and two chemists, Dr. M. S. Kharasch and Dr. Romeo R. Legault.

The silver medal was awarded to Drs. Leonard G.

Rowntree, J. H. Clark and Arthur Steinberg, of the Philadelphia Institute for Medical Research, and Dr. A. M. Hanson, Faribault, Minn., for original investigations on the biological effects of the thymus and pineal glands.

The bronze medal was given to Drs. Jane Sands Robb, J. G. Fred Hiss and R. C. Robb, for original investigations on heart muscle-bundle physiology and experimental coronary lesions.

Certificates of merit were awarded to Dr. Bede J. Harrison, of the Vancouver General Hospital; Drs. Aaron E. Kanter, Carl P. Bauer and Arthur H. Klawans, of Rush Medical College, University of Chicago, and Drs. Isaac Schour and A. G. Brodie, of the University of Illinois College of Dentistry.

The gold medal in Class II was awarded to Drs. Stuart Harrington and Willis S. Lemon, of the Mayo Foundation for Medical Education and Research, Rochester, Minn., "for excellent presentation of an exhibit illustrating the surgical treatment and clinical manifestations of various types of diaphragmatic hernia [inverted stomach] and intra-thoracic tumors."

The silver medal, given for exhibits that do not exemplify purely experimental studies, was given to Drs. David W. Mackenzie and Alexander B. Wallace, of the Royal Victoria Hospital, Montreal, for their exhibit on lymphatic studies. The bronze medal went to Dr. James Harold Mendel of Philadelphia for his exhibit on eardrums.

## SCIENTIFIC NOTES AND NEWS

THE summer meeting of the American Association for the Advancement of Science opens at the University of Minnesota, Minneapolis, on June 24, under the presidency of Dr. Karl T. Compton, president of the Massachusetts Institute of Technology. The opening session on Monday evening will be a joint meeting with the Minnesota State Medical Association with an address on "Diseases of the Blood," by Dr. W. P. Murphy, which will be followed by a reception given by Dr. Lotus D. Coffman, of the University of Minnesota, and Mrs. Coffman. The Maiben lecture will be given on Tuesday evening by Dr. Richard P. Strong, and there will be other evening lectures by Dr. Isaiah Bowman, Dr. W. F. G. Swann and Dr. Philip Fox. The full preliminary program will be found in the issue of SCIENCE for May 24.

THE Barnard gold medal "for meritorious service to science" of Columbia University has been awarded to Dr. Edwin P. Hubble, astronomer of the Mount Wilson Observatory. This medal was founded in 1889 and is awarded every five years on the recommendation of the National Academy of Sciences.

THE gold medal of the Linnean Society of London was presented at its anniversary meeting on May 24 to Dr. David Prain, until his retirement in 1922 director of the Royal Botanic Gardens at Kew, "in recognition of his services to botany." Dr. W. T. Calman delivered the address of the president on "The Meaning of Biological Classification."

THE council of the Royal Empire Society has awarded its gold medal for 1935 to Sir Wilfred Grenfell, "in recognition of his services to the Empire and of the excellence of his book, 'The Romance of Labrador.'"

THE degree of doctor of laws was conferred at the commencement of the University of Pennsylvania on Dr. Charles Russ Richards, mechanical engineer, retiring president of Lehigh University, and on Dr. Isaiah Bowman, director of the American Geographical Society, chairman of the National Research Council and president-elect of the Johns Hopkins University.

HONORARY degrees conferred by Wesleyan University included the doctorate of science on Dr. George