

center of research, either at home or abroad. Under present conditions preferential consideration will be given to subjects for which existing provision is inadequate.

From the large number of applications received last year, 17 selections have been made by the Advisory Committee and approved by the trustees of the will of the late Lord Leverhulme. These are for varying periods up to two years. The names of the fellows in the sciences and the subjects of the researches are as follows:

E. C. BULLARD, demonstrator in geodesy, University of Cambridge, "Gravity and Magnetic Measurements." Research to be carried out in Great Rift Valley, East Africa.

C. R. BURCH, physicist, Metropolitan-Vickers Electrical Company, Ltd., "On the Production of Aspherical Optical Surfaces and on Their Imaging Properties in Combination."

F. FRASER-DARLING, chief officer, Imperial Bureau Animal Genetics, Edinburgh, "An Ecological Study of a Herd of Scottish Red Deer, with Special Reference to Behavior."

C. S. ELTON, director of the Bureau of Animal Population in University of Oxford and university demonstrator in zoology, "Fluctuations in Numbers of Wild Mammal Populations."

D. H. HAMMICK, fellow and tutor, Oriel College, Oxford, "Investigations on the Interaction of Nitro-compounds with Aromatic Bases and Hydrocarbons."

H. S. HATFIELD, London, "The Behavior of Crystalline Substances in Electric and Magnetic Fields."

L. S. B. LEAKEY, fellow of St. John's College, Cambridge, "The Prehistory of East Africa."

D. L. R. LORIMER, lieutenant-colonel, Indian Army (retired), late of Foreign and Political Department, "Anthropological and Linguistic Research in the Gilgit Region of the Karakorum and Hindukush."

A. G. LOWNDES, Marlborough College, Wilts, "The Polygraphic Process." Ultrarapid cinema-photo-micrography.

#### HUNAN-YALE PUBLIC HEALTH PROJECT IN CHANGSHA SCHOOLS

A SPECIAL government grant of \$12,000 Chinese currency has been made to the Hunan-Yale Medical School by the Hunan Provincial Government to carry on a public health program in the schools of Changsha. Sixteen schools in the north of Changsha have been chosen as a starting point for the new project, and it is estimated that 6,000 students, most of them of primary grade, will be reached. Chu King-lung, Commissioner of Education, has been appointed chairman of the committee, while Dr. K. Y. Wang, president of the Hunan-Yale Medical School, is to be vice-chairman, and Dr. L. S. Liu, of the department of preventive medicine at Hunan-Yale, will act as general secretary.

The project as outlined by the committee includes health education in the schools through lectures, lantern slides, exhibits, habit training classes, etc. This branch will be chiefly for the students themselves, but additional material will be presented to cooperating parents. There will be an annual physical examination of all students in these schools, with careful records and a monthly check-up in weight and height. The program also includes a weekly clinic for correction of defects as far as possible; inspection for infectious diseases, preventive inoculation, isolation and sanitary inspection of school and grounds.

Two doctors and four trained public health nurses will be assigned to this work. The additional grant for this purpose is a significant indication of the interest of the government, coming as it does at a time of financial stringency. The principals of the sixteen schools affected have expressed their hearty endorsement of the project.

The Hunan-Yale Medical School was started in 1914 as a joint enterprise between the Hunan Provincial Government and Yale-in-China, and it is believed that this new plan will give a great opportunity to aid in health education. It is said that many fields of preventive medicine require more in the way of finance and government organization that can be afforded, but that this development is within present facilities, especially as there is a growing interest in public health measures. The Hunan-Yale Hospital now has 180 beds, with a special children's ward, and is equipped to carry on the treatments that may be needed for conditions found in the health examinations.

#### REPORT ON THE ELECTRICAL HAZARDS OF AIRCRAFT

A SUB-COMMITTEE of the National Advisory Committee for Aeronautics has issued a report on the results of an investigation made at the request of the Navy Department on "Hazards Due to Electrical Phenomena."

Members of the committee appointed by Dr. Joseph S. Ames, president of the Johns Hopkins University and chairman of the National Advisory Committee were: Dr. Charles F. Marvin, Weather Bureau, *chairman*; Dr. L. J. Briggs, Bureau of Standards; Commander Garland Fulton (C. C.), U. S. N.; Dr. W. J. Humphreys, U. S. Weather Bureau; Dr. J. C. Humphreys, Massachusetts Institute of Technology; Dr. F. B. Silsbee, Bureau of Standards; Professor John B. Whitehead, the Johns Hopkins University; Dr. G. W. Lewis, National Advisory Committee for Aeronautics (*ex officio*). They were assisted by Dr. M. F. Peters, of the Bureau of Standards.

The findings of the committee as summarized by Science Service are as follows: An airship inflated with inflammable hydrogen is no more liable to dam-