

ARTHUR H. FLEMING, lumber manufacturer of Los Angeles, died on August 11 at the age of eighty-four years. He gave a sum amounting to more than five million dollars to found the California Institute of Technology at Pasadena. Dr. R. A. Millikan, chairman of the executive committee of the institute, made the following tribute: "It takes great courage and boldness to start any new enterprise, and it was Mr. Fleming's energy and boldness that made it possible

to start California Institute on its present type of career."

SIR ALFRED BOURNE, formerly professor of biology in the Presidency College, Madras, died on July 14 at the age of eighty years.

DR. WILLIAM RUSSELL, emeritus professor of clinical medicine at the University of Edinburgh, past president of the Royal College of Physicians, died on August 11. He was eighty-eight years old.

SCIENTIFIC EVENTS

THE BEIT MEMORIAL FELLOWSHIPS

At a meeting of the trustees of the Beit Memorial Fellowships for Medical Research, which was held on July 17, Dr. A. J. Clark, professor of materia medica in the University of Edinburgh, was appointed a member of the Advisory Board in the place of Professor W. Bulloch, who resigned after twenty-nine years' service. Dr. Paul Fildes was appointed honorary secretary on the resignation of Professor T. R. Elliott, who had served for ten years. Out of the twenty-seven present fellows nine have at their own request given up their fellowships for more direct service during the war.

The following elections were made, all with permission for each fellow to be relieved at any time for war work.

SENIOR FELLOWSHIP, (£700 a year)

T. A. H. Munro, M.B., Ch.B., F.R.C.P. (Edinburgh). To continue his studies of inheritance in mental disorders. At the Royal Eastern Counties Institution, Colchester.

FOURTH YEAR FELLOWSHIPS, (£500 a year)

J. G. Chalmers, B.Sc. (Glasgow). A.I.C. To continue his chemical studies of polycyclic hydrocarbons in experimental cancer formation. At the research department of the Glasgow Royal Cancer Hospital.

T. R. R. Mann, M.D. (Lwow, Poland), Ph.D. (Cambridge). To extend his work on intracellular metallo-protein compounds, especially of red blood cells. At the Molteno Institute of Biology, University of Cambridge.

JUNIOR FELLOWSHIPS, (£400 a year)

M. Abercrombie, B.A. (Oxford). Junior research fellow, Queen's College, Oxford. To study amputation neuromata and the degeneration and regeneration of mammalian nerves. At the department of zoology, University of Oxford.

D. A. K. Black, M.D. (Gold Medal) (St. Andrews) M.R.C.P. (London). Research student of Medical Research Council. To study metabolic and bone marrow changes in the repair of severe anemias. At the Nuffield department of medicine, Oxford.

G. C. Butler, Ph.D. (Toronto). 1851 Exhibition Science Research Scholar. To study the purification and properties of gonadotropic hormone from the pituitary

gland. At the department of pathological chemistry, University College Hospital Medical School, London.

J. L. Madinaveitia, D.F. (Madrid), Ph.D. (Edinburgh). Honorary research fellow in chemistry, Manchester University. To study diffusing factors in bacterial filtrates and snake venoms. At the department of chemistry, University of Manchester.

S. M. Partridge, B.Sc., Ph.D. (London). Lister Institute student in biochemistry. To study the chemical nature of the antigen of Shiga dysentery bacteria. At the Lister Institute of Preventive Medicine, University of London.

D. Whitteridge, B.A., B.M., B. Ch. (Oxford). Demonstrator in physiology, Oxford. To study electrical records from brain after concussion or severe injury. At the Nuffield department of surgery and the department of physiology, University of Oxford.

P. C. Williams, B. Sc. (London). Research grantee of Medical Research Council. To study pituitary hormones and their excretion in clinical pathological conditions. At the Courtauld Institute of Biochemistry, Middlesex Hospital, London.

THE TOTAL SOLAR ECLIPSE OF OCTOBER 1

An expedition will be sent to observe the total solar eclipse in Brazil on October 1, under the joint auspices of the National Geographic Society and the National Bureau of Standards, to be led by Dr. Irvine C. Gardner, chief of the Optical Instruments Section of the bureau. Other members of the party are: Dr. E. O. Hulburt, of the Naval Research Laboratory; Dr. Paul A. McNally, S.J., director of the Observatory of Georgetown College; Dr. Carl C. Kiess, spectroscopist, and Dr. Theodore R. Gilliland, radio research specialist, the National Bureau of Standards, and Richard H. Stewart, staff photographer of the *National Geographic Magazine*.

The expedition will sail on August 24 for Recife, Pernambuco. After reaching Recife it will journey overland by truck and automobile through the city of Campina Grande to the neighborhood of the village of Patos, nearly 200 miles from the coast. Patos lies five miles south of the center line of the total eclipse; the instruments will be set up directly on that line. The