

other regions. A model of the largest platinum nugget found in the Urals and crystals of sulvanite (sulpho-vanadate of copper) from Utah have been purchased. The herbarium of the Royal Botanical Society of London has been presented by the Council to the Department of Botany. A valuable collection of about eleven thousand European mosses has been presented by the Rev. P. G. Rhodes; and Mrs. T. G. Elliott has presented about four hundred specimens of Ceylon ferns collected by her father, the late Rev. E. N. Freeman. The latter is of special interest as being the first large collection of localised Ceylon ferns received by the Department.

Hippophagy in Ancient Palestine

AN interim report from Sir Flinders Petrie on his excavations at Tell-el-Ajjul in southern Palestine, in the *Times* of Feb. 24, dwells on the significance of the exploration of this area for the history of the Hyksos domination in Egypt and Palestine. "The south of Palestine", it is said, "proves to be the best source for understanding this great catastrophe of ancient times." The date of the city is now fixed by scarabs of Apepa I. and the names of other Hyksos kings. The work of this season has brought to light a new custom. It will be remembered that last year the remains of a horse were discovered in one of the large pit-graves on the plain below the tell. The horse was disposed in the centre, while the bodies of the members of the family lay on shelves around the pit. Now the remains of a horse have been discovered which had evidently been sacrificed and its body buried under the foundations of a large building. Near by an oven had been built for the purpose of cooking the thigh and shoulders of the victim for a feast, while another horse had been completely cut up and the bones left on the ground after it had been eaten. Sir Flinders Petrie adds the interesting comment that no other example of hippophagy has been found in the east, and in the west the practice is not known later than the stone age.

Prof. W. E. Garner

THE course of lectures on detonating substances which was to have been given at the Royal Institution on March 1, 8, and 15 by Prof. W. E. Garner, Leverhulme professor of physical chemistry in the University of Bristol, has been postponed owing to an accident to him. Prof. Garner has been engaged for some time in a research on solid explosive substances. On Thursday, Feb. 25, when he was about to remove a crystal of pure lead azide from a cardboard pill-box containing about 5 mgm. of the material, as he raised the cover of the box with his right hand, the material exploded. Two of his fingers were seriously damaged and his left hand received lesser injuries. We are glad to learn that he is making very satisfactory progress.

French Exploratory Voyages

A USEFUL chart of the world showing all the great French voyages of exploration from the fifteenth to the early nineteenth century is included in the issue of *La Géographie* for July-August 1931. The

chart, originally prepared by M. H. Roussilhe and L. Bergelin for the Exposition Internationale d'Anvers in 1930, is based on the original itineraries and charts of the voyages concerned, and though on a comparatively small scale, is remarkably clear. An old-world appearance is given to it by various reproductions of vessels of the periods of different voyages, taken from contemporary sources and suitably placed on the oceans.

New Land Speed Records

ON Feb. 24, at Daytona, Florida, Sir Malcolm Campbell set up a new record for land speed in his car *Blue Bird*. On two runs, northwards and southwards respectively, over a measured mile, his average time gave a speed of 253.968 miles an hour, thus beating his own record made last year at the same place and in the same car by about eight miles an hour. Sir Malcolm made a further attempt on Feb. 26, but his speed over the measured mile was returned as 251.748 miles an hour. His average for five miles, however, worked out at 242.751 miles an hour, thus beating his own previous record for this distance by more than thirty miles an hour. Sir Malcolm's car *Blue Bird* had been fitted with a new and more powerful Napier engine of approximately 1500 h.p.

Muslim Association for the Advancement of Science

THE objects of this Association, which was inaugurated at Aligarh about a year ago, are to stimulate research work amongst Mohammedans by means of grants in aid of special laboratory apparatus, research materials, and laboratory assistance. The Association is undertaking the publication of specialised memoirs by distinguished investigators in its *Proceedings*, and its constitution permits the creation of research professorships and visiting lectureships as soon as sufficient funds become available. Nawab Masood Jung, vice-chancellor, and Dr. R. F. Hunter, the present holder of the Nizam chair of chemistry in the Aligarh Muslim University, are the first president and vice-president respectively, but the Association's constitution has now been extended to include representation on its council from British India, Hyderabad, and Egypt.

The Hayden Memorial Gold Medal

IT is announced that the Academy of Natural Sciences of Philadelphia has awarded the Hayden Memorial Gold Medal for 1932 to Dr. Reginald Aldworth Daly, Sturgis-Hooper professor of geology in Harvard University. This is the outstanding American award for pre-eminence in geological and palæontological research. Prof. Daly's work chiefly involves the study of igneous rocks, their genesis, and the mechanics of their intrusion into the mountains of the earth. Other of his outstanding contributions to geology are his glacial-control theory of coral reefs, his work on the eustatic shift of oceanic level, and his researches on the constitution of the earth. He has presented many of his ideas in popular form in his book, "Our Mobile Earth" (1926). The Hayden award, which is made every three years, was founded in 1888 by Mrs. Emma W. Hayden, of Philadelphia, as