

problem of cancer is not one which the general statistician can view with much pleasure, "but a perusal of clinical records and of the last report of the Director of the Imperial Cancer Research Fund gives some grounds for optimism".

The Imperial Institute and Vegetable Fibres

WE are indebted to Dr. E. Goulding for an account of forty years of investigation of vegetable fibres at the Imperial Institute, which was the subject of the Mather Lecture delivered by him during the annual Conference of the Textile Institute on June 3-5 in London. A record such as this emphasises the importance and value of the Imperial Institute to the Empire as a whole. Individual technical reports go to all parts of the Empire, but usually each country is concerned only with those which emanate from itself. A comprehensive account of this work is therefore more than welcome, in that it gives an idea of the immense scope of inquiries which have been investigated and of which records and technical reports are available. In recent years, since the creation of the Advisory Councils of the Imperial Institute in 1926, the Scientific and Technical Department has had considerably more scope; for these Councils, of which there is one for vegetable fibres, may propose and consider schemes of work for prosecution by the Institute and may advise on the best means of carrying them out. As a result of this, one of the main lines of investigation in the case of vegetable fibres has been the effect of sea-water on the life of ropes and twines. This work was commenced primarily in the interests of the sisal industry, but has since been enlarged to include New Zealand flax, Mauritius hemp and sannhemp. The results of this work have proved to be of the greatest value both to the producer and to the consumer, and have done much to advertise the extremely useful services which the Imperial Institute performs.

The Colorado Potato Beetle

THIS insect is a recent immigrant into Europe from North America, and has now become established over a large area of France. Its further spread into north-eastern France and into Belgium is a matter of importance to potato growers in England. The Ministry of Agriculture and Fisheries directs attention to the probability that examples of this beetle will reach southern England from time to time by direct flight. In such circumstances small outbreaks might readily occur, and the Ministry is accordingly anxious to obtain as early a notification as possible of the discovery of the pest in this country. Potato growers, especially those in Essex, Kent and Sussex, are asked to keep close watch on their crops, and to inform the Ministry immediately the presence of the beetle is suspected or discovered. A full description of the insect is given in the Ministry's Advisory Leaflet, No. 71. Any yellowish beetle with black stripes, or any red or reddish-yellow grub, that is found feeding upon potato leaves should be regarded with suspicion. When such beetles or grubs are discovered, specimens should be placed in a tin box (in which no holes should

be punched) with a piece of potato leaf, and the box should be sent to the Ministry of Agriculture, 10 Whitehall Place, London, S.W.1, with a letter stating the exact place where the insects were caught and the name and address of the finder. No other steps should be taken until instructions are received from the Ministry; it is especially important that the crop should not be sprayed or interfered with, as this is likely to cause the beetles to spread, and an outbreak possibly affecting only a few square yards may be distributed throughout a field. Apart from the specimens sent to the Ministry, no beetles or grubs should be removed. The object of these measures is to keep the insect confined to as small an area as possible, so that it may be eradicated without loss of time.

Discovery : an African Number

Discovery of June, in an opportune moment, is concerned almost exclusively with Africa. It opens, immediately after editorial notes and comments, with an article by Prof. C. G. Seligman on human types in tropical Africa. Prof. Seligman explains how it has come about that the usual classification of the native peoples of the continent is based on linguistics rather than on physical characters, and then sets out the distribution and characteristics of the major racial divisions in the tropical area. Dr. H. E. Hurst, in a study of the Upper Nile, discusses questions relating to water supply at the source, and indicates where there is necessity for further research. Of the remaining articles, two in particular require mention. Capt. William Hichens's account of demoniac possession is a valuable report by an eye-witness of a recent outbreak of *Kupagawa na pepo* ("ridden by demons"), which amounted almost to an epidemic in Mombasa and other towns of East Africa. He describes the various forms of demon dances by which the spirits were exorcised. In another article, G. A. Gardner, field director of the Archaeological Committee of the University of Pretoria, describes the results of further excavations at Mapungubwe on the south side of the Limpopo River. The partial excavation of a mound, which was found to consist of village refuse, confirms the results of previous excavation on an adjacent area which has been described by Prof. C. van Riet Lowe. He ascribed the earlier of the two occupations then discovered to the Sotho. This is regarded as the earliest trace of Bantu culture known in the Union. The mound excavated by Capt. Gardner was entirely Sotho. It had a depth of 20 ft. and consisted of about 40,000 tons of material. It was found to be centrally situated in a village from which had come the refuse of which it was composed. There was no iron, but copper ornaments, bangles and bracelets were plentiful. The burials were disarticulated with the skull on top of the bones. In several instances cow bones were associated with the human remains.

World Power Conference

THE death last May of Mr. D. N. Dunlop, chairman of the International Executive Council of the World Power Conference and of the British National