

and is making available its station at Townsville; the cattle industry of the State will provide £2000, to be raised by a compulsory annual levy of 1s. on every hundred head of cattle other than dairy herds; the Queensland Council of Agriculture has offered £300, and it is hoped that the meat exporters will provide the balance. Dr. A. W. Turner will be in charge of the station, with Dr. John Legg as chief assistant. In pursuance of the policy of linking together work in different parts of the Empire by personal contact between investigators, Dr. Legg is at present in South Africa studying the problems and organisation of the Veterinary Research Institute at Onderstepoort.

Germ of Infantile Paralysis.

PROF. FREDERICK EBERSON, director of clinical laboratories and research at the Mount Zion Hospital, San Francisco, announced at the recent meeting of the American Association for the Advancement of Science that he has succeeded in cultivating the virus of poliomyelitis (infantile paralysis) in a special culture medium, and in reproducing the disease in the monkey by inoculation of the culture. The virus has long been known as an invisible and filterable one, in which state it is present in the brain and spinal cord of the patient, but in the culture it is claimed that it becomes larger and assumes a form which is just visible microscopically.

Announcements.

WITH the year 1931, Prof. Luigi Palazzo closed his long and valued service as director of the Central Office of Meteorology and Geophysics at Rome, in which he followed the late Prof. Pietro Tacchini thirty years ago. With his work as director, he also combined the guidance of the Italian Seismological Society. He is succeeded by Prof. Emilio Oddone, until lately the head of the Geophysical Section of the Central Office. Two months earlier, Prof. G. Agamennone also retired from the directorship of the Royal Geophysical Institute of Rocca di Papa, to which he was appointed thirty-two years ago after the death of Prof. M. S. de Rossi.

IN view of the disturbed economic and financial conditions that prevail in Europe and America, the Council of the Institute of Metals has found it necessary to postpone this year's meeting, which was to have been held in the United States and Canada next autumn. The meeting had been planned with the close co-operation of the American Institute of Mining and Metallurgical Engineers. The Council's suggestion that the meeting be postponed was sympathetically received in America, and the assurance has been made that the members will be welcome at such later time as may suit their convenience.

MESSRS. Watson and Sons (Electro-Medical), Ltd., Sunic House, 43 Parker Street, Kingsway, W.C.2, have issued a booklet containing a description of their apparatus for, and full details of, 'surgical diathermy'. This is a procedure by which a high-frequency alter-

nating current is concentrated at a small electrode in the form of a short knife edge, so that a small 'cutting' arc is produced, which takes the place of the scalpel or knife ordinarily used in surgical operations, burning instead of cutting through the tissues.

A COLLECTION of collotype reproductions of early English county maps is announced for immediate publication by the Royal Geographical Society. Twenty-one sheets from the collections of the Society have been chosen to represent the chief cartographers and the engravers employed by them. The reproductions will include specimens of the work of Saxton, Symonson, Camden, Speed, and others, with notes by Mr. E. Heawood.

MESSRS. G. Bell and Sons, Ltd., announce the forthcoming publication, in a limited edition, of the diary of Michael Faraday, covering Faraday's experimental work between the years 1820 and 1862. The diary will be issued in seven volumes. Messrs. Bell also promise an account of Prof. Donnan's experiments with membrane equilibria, and the discoveries resulting from them. The author is Dr. T. R. Bolam, and the title of the volume "The Donnan Equilibria".

APPLICATIONS are invited for the following appointments, on or before the dates mentioned:—A lecturer in electrical engineering at the Swindon Technical College—The Principal, College, Swindon (Jan. 12). A Goldsmiths' professor of metallurgy in the University of Cambridge—The Vice-Chancellor, The University, Cambridge (Jan. 16). An assistant master at the Bolton Municipal Technical College, for chemistry and physics—The Director of Education, Education Office, Nelson Square, Bolton (Jan. 16). An assistant lecturer in engineering at the Brighton Technical College—The Secretary, Education Offices, 54 Old Steine, Brighton (Jan. 16). An advisory officer in agricultural economics at the Edinburgh and East of Scotland College of Agriculture—The Secretary, Edinburgh and East of Scotland College of Agriculture, 13 George Square, Edinburgh (Jan. 18). An assistant curator in the Raffles Museum and Library, Singapore—The Director of Recruitment (Colonial Service), 2 Richmond Terrace, Whitehall, S.W.1 (Jan. 30). A works superintendent and chief engineer at the Manchester Municipal College of Technology—The Registrar, College of Technology, Manchester (Jan. 30). A pathologist in the Public Health Department of the Corporation of Glasgow—The Town Clerk, City Chambers, Glasgow (Feb. 1). A medical man for research work under the British Empire Leprosy Relief Association (Indian Council), in collaboration with the Calcutta School of Tropical Medicine and the All-India Institute of Hygiene—The Honorary Secretary, British Empire Leprosy Relief Association (Indian Council), Talkatora Road, New Delhi, India (Feb. 29). A male assistant superintendent of traffic in the London Telephone Service, and a male assistant traffic superintendent in the Provinces, G.P.O.—The Secretary, Civil Service Commission, Burlington Gardens, W.1 (March 3).