

occur in the brain of sheep, and the *cœnurus* of *T. serialis* in the subcutaneous tissues of the rabbit. Dr. Southwell directs attention to the discovery by Gaiger (1907) of a *cœnurus* in the connective tissue of the goat, which was held to be that of *T. serialis* (later named by Hall *T. gaigeri*), and the finding by Dey (1909) of the same stage in the connective tissue and also in the brain of the goat in India. He regards the species *multiceps*, and these others, *serialis* and *gaigeri*, as very closely related, and possibly identical, and suggests that the goat provides conditions in both brain and connective tissue for the development of the larval form, whereas in the sheep and in the rabbit the larval form develops respectively in only one of the sites.

For most of the species, Dr. Southwell not only states the principal structural characters but also notes the mode of infection of the host and the site of the larval form in the intermediate host. A classified list of Cestodes from India, with their hosts, a classified list of the hosts with their Cestodes, and an adequate systematic index conclude this useful volume. The illustrations, with the exception of the photograph on p. 27, are clear and adequately lettered.

*Fourth Congress of the Universities of the Empire, 1931. Report of Proceedings.* Published for the Universities Bureau of the British Empire. Pp. vii + 260. (London: G. Bell and Sons, Ltd., 1931.) 21s. net.

IN this volume a number of current university problems are clearly set out and competently discussed with a wealth of illustration and argument from many widely differing points of view. Organised as it was, in the light of experience gained in previous similar congresses, ample opportunities for informal interchanges of views and experiences being provided at London and elsewhere during the week preceding the scheduled meetings which took place at Edinburgh on July 7-10, the fourth quinquennial gathering of representatives of seats of learning in all parts of the Empire was an ideal forum for the discussion of such matters.

The first subject of discussion was the university graduate in commerce and industry. This was introduced by Sir Robert Waley Cohen, of Cambridge, who justified its prominent place in the agenda by reference to the world-wide economic revolution now in progress, necessitating the relaying of the very foundations of commerce and industry, and the consequent need, in this field, of men of high character and trained intellect. In subsequent sessions the Congress dealt with the conditions of admission to universities, facilities for overseas students in British universities, general honours degrees, the Ph.D. and other post-graduate degrees, and post-graduate study in medicine and surgery.

The inaugural addresses, with which each day's proceedings opened, ranged over a wider field, and of one (Lord Meston's "A Layman looks at the University") the chairman observed that the author had put his finger on all the major problems which those responsible for the conduct of university teaching have felt to be pressing upon them in

the last few years. Although, naturally, 'laymen' took but a small part in the proceedings, the record as a whole is eminently readable and there are few pages that have no appeal outside university circles.

*Úvod do Radioaktivity.* Napsali Dr. F. Běhounek a Prof. Dr. J. Heyrovský. Pp. 116. (Praha: Jednoty Čs. Matematiků a Fysiků, 1931.) 24 Kč.

IT was in pitchblende from the mines of Jáchymov (St. Joachimsthal) in Bohemia that Prof. and Mme. Curie first discovered radium. The ores from these mines now yield radium preparations representing two to four grams of the pure element annually. In spite of the interest in the subject, the present volume is the first book by Czech men of science on radioactivity. It deals with the discovery and phenomena of radioactivity, the preparation of radium products and their physiological action, geophysics, cosmic radioactivity, and the technique followed at the Czech mines and extraction plant and at the Prague Radiological Institute.

Prof. Běhounek accompanied General Nobile's expeditions to the north pole in 1926 and 1928, and his experiments on radioactivity of the atmosphere in the arctic and at high altitudes is embodied in the chapters on geophysics and cosmic radioactivity. Prof. Heyrovský is best known for his polarographic researches with the dropping mercury cathode, and this method has found application in the examination of radium-barium salt mixtures.

The authors have introduced several unusual features in their treatment of the subject. Thus, stress is laid upon the experimental aspect of radioactivity and theoretical considerations are dismissed very briefly. The general reader will be particularly interested in the account and photographs of the methods of extracting radium from the large quantities of ores needed, and in the procedure in studying the use of this element in medical treatment.

J. G. F. D.

*The Annual Register: a Review of Public Events at Home and Abroad for the Year 1931.* Edited by Dr. M. Epstein. Pp. xv + 316 + 169. (London, New York and Toronto: Longmans, Green and Co., Ltd., 1932.) 30s. net.

THE history of the world, which it is the main function of this annual volume to place on record, has gone through a troubled year, with many changes and upheavals in the old order of things, but the "Annual Register" maintains its old form and arrangement. British and Imperial history occupy, in a most readable narrative, about one-third of the book. Then comes the history of foreign States in about the same compass, followed by the usual chronicle of events, surveys of literature, art, drama, science, finance, and commerce, and finally the short biographies of eminent men and women in the year's obituary. The Constitution of the new Spanish Republic is given in full. The survey of the year's science occupies about eleven pages, divided between the biological and physical sciences. It is noteworthy that this work of reference has now reached its hundred and seventy-third year of issue.