

TECHNICAL schools and colleges are now issuing particulars of the courses of study they have arranged for the forthcoming winter session, and we have received a number of college calendars and prospectuses from various districts. At the Battersea Polytechnic, in the Technical College for Day Students, the usual courses are offered in mechanical, civil, electrical, and motor engineering, building science, and applied chemistry. In addition, new courses have been arranged in gas engineering and manufacture, and in the technique of paper-making. The polytechnic is continuing its special war work, which includes classes for the training of men and women munition workers, courses for women in engineering tracing, and free instruction for disabled soldiers and sailors in motor-car engineering, electrical testing, sanitary inspectors' duties, and other forms of remunerative work. The City of Bradford Technical College offers a complete training for the various branches of the textile, chemical, and engineering industries, including the underlying sciences. The diploma courses extend over three, or in some cases four, years, and occupy the full time of the student, much of whose work is of an advanced character. A special characteristic of the courses is the great importance attached to scientific research. At the West of Scotland Agricultural College, Glasgow, students are provided with facilities for the study of agriculture, dairying, forestry, horticulture, and poultry-keeping. Some of the courses have been arranged in conjunction with the University of Glasgow, and under conditions explained in the prospectus students may qualify for the B.Sc. degree in agriculture of the University.

SOCIETIES AND ACADEMIES.

PARIS.

Academy of Sciences, August 27.—M. Ed. Perrier in the chair.—A. **Lacroix**: The composition and modes of alteration of the ophiolites of the Pyrenees.—G. **Humbert**: Some properties of binary indefinite quadratic forms.—H. **Deslandres**: Contribution to the supposed influence of the cannonade on the fall of rain. The opinion of M. C. Saint-Saëns.—A. **Laveran**: The experimental inoculation of *Leishmania tropica* in apes: multiplication of the primary lesions by auto-inoculations in a *Circopithecus mona*: Paul **Sabatier** and G. **Gaudion**: The various modes of decomposition of amines by catalysis: return to aniline and the substituted anilines. Examples are given of the various types of decomposition effected by metallic nickel, removal of hydrogen, separation of ammonia, and separation of aromatic amine.—F. **Delhaye** and **Sluys**: The formation of the Karoo in the western Congo.—MM. **Lapicque** and **Legendre**: The improvement of war bread by neutralisation of the ferments of the bran. An extraction of 85 per cent. of the wheat gives a flour containing such a proportion of bran that the bread made from it is unpleasant in taste and rapidly goes mouldy. The addition of a proportion of lime water in making the bread neutralises the acidity of the bran and gives a bread which has a better taste and keeps longer than bread made from the same flour without the addition of lime water.

BOOKS RECEIVED.

British Museum (Natural History). British Antarctic (*Terra Nova*) Expedition, 1910. Natural History Report. Zoology. Vol. iv. No. 1, Echinoderma. Part 1. Actinogonidiata. By Prof. F. J. Bell. Pp. 10+plates. (London: British Museum (Natural History) and others.) 2s. 6d.

Transactions of the Royal Society of Edinburgh.

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Vol. li. Part iv. Sessions 1915-16-17. (Edinburgh: R. Grant and Son.) 31s. 6d.

Jacob and the Mandrakes. By Sir J. G. Frazer. Pp. 23. (London: H. Milford.) 2s. 6d. net.

Primitive Man. By Prof. G. Elliot Smith. Pp. 50. (London: H. Milford.) 3s. 6d. net.

Shells as Evidence of the Migrations of Early Culture. By J. W. Jackson. Pp. xxviii+216. (Manchester: At the University Press; London: Longmans and Co.) 6s. net.

Our Analytical Chemistry and its Future. By Dr. W. F. Hillebrand. Pp. 36. (New York: Columbia University Press; London: H. Milford.) 1s. 6d. net.

Thomas A. Edison. Pp. 216+plates 8. (London: G. G. Harrap and Co.) 3s. 6d. net.

Thrice through the Dark Continent. By Prof. J. Du Plessis. Pp. viii+350+map and illustrations. (London: Longmans and Co.) 14s. net.

Founder's Day in War Time: An Address delivered on March 23, 1917, at a Memorial Service for Members of Manchester University who have Fallen in the War. By Sir A. W. Ward. Pp. 55. (Manchester: At the University Press; London: Longmans and Co.) 1s. 6d. net.

Carnegie Endowment for International Peace. Year Book for 1917. Pp. xvii+213. (Washington.)

CONTENTS.

PAGE

Foundations of Bio-physics. By Prof. J. Arthur Thomson	21
Science and Industry. By Prof. G. T. Morgan, F.R.S.	22
Luigi Cremona. By G. B. M.	23
Our Bookshelf	23
The Dangers of Electrical Currents. By Prof. W. M. Bayliss, F.R.S.	24
Imperial Mineral Resources Bureau. By Prof. Henry Louis	25
Linguistic and Political Boundaries in Europe	27
Applied Entomology in Canada. By Dr. A. D. Imms	27
Edouard Sarasin (1843-1917). By Dr. Grace Chisholm Young	28
Notes	28
Our Astronomical Column:—	
Relativity and Gravitation	33
Photographs of Nebulae	33
The 100-in. Reflector at Mount Wilson	33
Industrial Fatigue. By Prof. A. F. Stanley Kent	33
The Forest Department of India	35
The Great Eruption of Sakura-jima	35
The Dissemination of Fungus Diseases	35
Paris Academy of Sciences—Bonaparte Fund	36
The American Philosophical Society. By Dr. Arthur W. Goodspeed	36
Experimental Work in Aeronautics	37
University and Educational Intelligence	39
Societies and Academies	40
Books Received	40

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