

The University of Brisbane will receive 250,000l. from the same source.

PROF. ALEX. FINDLAY desires it to be known that after October 1 his address will not be the University College of Wales, Aberystwyth, but the Chemistry Department, the University, Marischal College, Aberdeen.

THE School of Librarianship, instituted at University College, London, will be opened by Sir Frederic Kenyon on Wednesday, October 8, at 5 p.m. Cards of invitation and particulars of the work of the school may be obtained from the Secretary, University College, Gower-street, W.C.1.

THE programme of University Extension lectures for the coming session has now been issued by the University of London. Central courses are to be held in the University buildings and in the City, while local courses, at some sixty local centres in and around London, will prove of value to the student in the suburbs. The subjects treated cover a wide range, but science occupies a minor position among them. There are to be about ninety courses in all, and these are mainly on literature, economics, history, and architecture, progressive science being represented by two courses only on scientific discoveries and their practical application. Either the local committees of London University Extension centres are not interested in scientific subjects, or the Board is unable to offer a strong panel of science lecturers for their selection.

### SOCIETIES AND ACADEMIES.

#### MELBOURNE.

**Royal Society of Victoria, July 10.**—Mr. J. A. Kershaw, president, in the chair.—H. G. Smith: The essential oil of *Boronia pinnata*, Smith, and the presence of elemicin. The plants were collected at Longwarry, where it grows in great profusion, and the distillation was carried out by Mr. P. R. H. St. John. The product consists largely of elemicin, which has previously occurred only in the order Burseraceæ (Protium, elemi resin), whilst *Boronia* belongs to the Rutaceæ.—J. T. Jutson: The "clawing" action of rain in sub-arid Western Australia. The author describes the erosion on ground generally covered by hard capping due to surface deposits of hard mineral matter. When this capping is broken, miniature waterfalls are formed, and at lower levels basins with crenulated edges, with a gradual reduction of rock material from high to low levels. The "clawing" action of the rills is so marked as to deserve special notice.—J. T. Jutson: A striking example of rock expansion by temperature variation in sub-arid Western Australia. This note puts on record an instance of a thin slab of granite parting from the main mass and rising convexly 7 in. from its base before cracking and breaking up.—E. O. Teale: The diabase and associated rocks of the Howqua River, near Mansfield, with reference to the Heathcote problem in Victoria. A study of this interesting area of the Howqua district with its Lower Carboniferous, Upper and Lower Ordovician, and older rocks throws much light on the sequence of the Lower Palæozoic series in other areas. Cherts and bedded ash with radiolaria and sponge-remains are found, similar to those of Heathcote, and an interesting phosphate-breccia with trilobite remains is described, which is closely associated with Upper Ordovician rocks.—F. Chapman: An Ostracod and Shell-marl of Pleistocene age from Boneo Swamp, west of Cape Schanck, Victoria. This deposit of marl, which does not now appear to be subject to tidal influence, contains an interesting fauna of fresh- and salt-water Ostracoda,

NO. 2605, VOL. 104]

and swamp, land, and marine shells. Two of the Ostracods are new. *Cypris tenuisculpta* and *Limnocythere sicula*. It is probable that in late Pliocene and on to Pleistocene times this area was connected with N.W. Tasmania, as an emergence of Bass Strait of 40 fathoms would show the earliest land connection at these points. This theory is supported by the occurrence of *Limnocythere* both at Boneo and Mowbray Swamps.

### BOOKS RECEIVED.

The English Rock-Garden. By R. Farrer. 2 vols. Vol. i. Pp. lxiv+504+52 plates. Vol. ii. Pp. viii+524+50 plates. (London and Edinburgh: T. C. and E. C. Jack, Ltd.) 3l. 3s. net.

Motionism, or the World's True Religion. By E. J. M. Morris. Pp. 130. (London: The Caxton Press, Ltd.) 5s. net.

Ethnography and Condition of South Africa before A.D. 1505. By Dr. G. M. Theal. Second edition. Pp. xx+466. (London: G. Allen and Unwin, Ltd.) 8s. 6d. net.

The Daily Telegraph Victory Atlas of the World. Part i. (London: "Geographia," Ltd.) 1s. 3d. net.

The Timbers of India. By A. L. Howard. Pp. 16. (London: W. Rider and Son.) 2s. 6d.

General Phonetics, for Missionaries and Students of Languages. By G. Noël-Armfield. Second edition. Pp. xii+146. (Cambridge: W. Heffer and Sons, Ltd.) 5s. net.

### CONTENTS.

	PAGE
The Waste of Youth. By Prof. Frederick Soddy, F.R.S.	89
Biological Problems	90
South Australian Geology. By J. W. G.	91
Our Bookshelf	91
Letters to the Editor:—	
A Photoelectric Theory of Colour Vision.—Sir Oliver Lodge, F.R.S.	92
Reversed Pleochroic Haloes.—Prof. J. Joly, F.R.S., and J. H. J. Poole	92
The Spectra of Isotopes.—Dr. Thomas R. Merton	93
A British Imperial Antarctic Expedition.—John L. Cope	93
Luminous Worms.—Rev. S. Graham Brade-Birks	93
Catalysis in Chemical Industry. By Dr. Hugh S. Taylor	94
Frosts and Agriculture in the United States. By W. H. D.	95
Notes	96
Our Astronomical Column:—	
The Twenty-four-hour Day	100
Comets	100
Minor Planets	100
Flora of Macquarie Island	101
Education in British India	101
The British Association at Bournemouth:—	
Section C—Geology—Opening Address (Abridged) by J. W. Evans, D.Sc., LL.B., F.R.S., President of the Section	102
University and Educational Intelligence	107
Societies and Academies	108
Books Received	108

Editorial and Publishing Offices:

MACMILLAN AND CO., LTD.,

ST. MARTIN'S STREET, LONDON, W.C.2.

Advertisements and business letters to be addressed to the Publishers.

Editorial Communications to the Editor.

Telegraphic Address: PHUSIS, LONDON.

Telephone Number: GERRARD 8830.