## TRANSACTIONS

OF THE

## ROYAL SOCIETY OF EDINBURGH.

VOLUME LVII, PART II.—SESSION 1932-33.

	CONTENTS.	
XI.	Studies in the Physiology of the Virus Diseases of the Potato: a Comparison of the Carbohydrate Metabolism of Normal with that of Leaf-roll Potatoes. By Eustace Barton-Wright, M.Sc., and Alan M'Bain, B.Sc. (From the Scottish Society for Research in Plant Breeding, Corstorphine, Edinburgh.) (With Sixteen Text-figures) (Issued August 9, 1932.)	309
XII.	Scottish Carboniferous Ostracoda. By Mary H. Latham, M.A., Carnegie Teaching Fellow, University of Glasgow. Communicated by Professor E. B. Bailey, M.C., F.R.S. (With Twenty-five Text-figures)	351
XIII.	The Genera Dictyoconoides Nuttall, Lockhartia nov., and Rotalia Lamarck: Their Type Species, Generic Differences, and Fundamental Distinction from the Dictyoconus Group of Forms. By LieutColonel L. M. Davies, R.A., F.R.A.I., F.G.S. (With Four Plates and Ten Text-figures)	397
XIV.	Submarine Faulting in Kimmeridgian Times: East Sutherland. By Professor E. B. BAILEY, M.C., M.A., F.R.S., and J. Weir, D.Sc., Geology Department, University of Glasgow. (With Three Plates and Seventeen Text-figures)	429
XV.	Development and Probable Evolution of the Suctorial Disc in the Tadpoles of Rana afghana Günther. By Sunder Lal Hora, D.Sc., Zoological Survey of India. (With One Plate)	469
XVI.	The Innervation of the Uterus. By AMY M. Fleming, B.Sc., M.D., M.C.O.G. (From the Department of Physiology, University of Glasgow, and the Laboratory of the Royal Samaritan Hospital for Women, Glasgow.) Communicated by Professor E. P. CATHCART, F.R.S. (With Four Plates)	473
XVII.	Contributions to the Study of the Old Red Sandstone Flora of Scotland. VIII. On Arthrostigma, Psilophyton, and some associated Plant-remains from the Strathmore Beds of the Caledonian Lower Old Red Sandstone. By W. H. Lang, LL.D., D.Sc., F.R.S., Barker Professor of Cryptogamic Botany in the University of Manchester. (With Four Plates and One Text-figure)	491
VIII.	(Issued December 30, 1932.)  A Study of the Foliar Endodermis in the Plantaginaceæ. By George Trapp, M.A., B.Sc., Botany Department, University of Glasgow. Communicated by Professor J. Walton, M.A., D.Sc. (With Two Text-figures)	523
XIX.	(Issued January 11, 1933.)  Notes on the Kidston Collection of Fossil Plant Slides. No. I. The Anatomy of the Axis of Lepidodendron Brownii Unger sp., with special reference to the Relationship between this	
	Stem and Lepidostrobus Brownii Unger sp. By Mary G. Calder, B.Sc. Communicated by Dr S. Williams. (With Three Plates and One Text-figure) (Issued January 23, 1933.)	547
XX.	The Metamorphism of the Deeside Limestone, Aberdeenshire. By Arthur G. Hutchison, Ph.D. Communicated by Professor H. H. Read. (With Nine Text-figures) (Issued February 2, 1933.)	557
XXI.	The Restoration and Regeneration of the Epithelium and Endometrium of the Uterus of Cavia Post Partum in Non-pregnant Animals. By William J. Hamilton, M.Sc., M.B., B.Ch. Communicated by Professor T. H. Bryce, F.R.S. (With One Plate and One Text-figure)	593
	(Issued February 4, 1933.)	

## EDINBURGH:

PUBLISHED BY ROBERT GRANT & SON, 126 PRINCES STREET,
AND WILLIAMS & NORGATE, LTD., 28 LITTLE RUSSELL STREET, LONDON, W.C. 1,