

This issue completes Volume 67 and contains the Title page, Contents and Index

THE ROYAL SOCIETY
OF EDINBURGH

TRANSACTIONS

KOCHIPRODUCTUS CORONUS SP. NOV.

FROM THE SCOTTISH VISEAN AND A POSSIBLE
MECHANICAL ADVANTAGE OF ITS FLANGE STRUCTURE

BY

K. A. G. SHIELLS

PUBLISHED BY THE ROYAL SOCIETY OF EDINBURGH
22 GEORGE STREET, EDINBURGH, 2 Price: 17s. \$3

1968

CONTENTS

NUMBER	PAGE
*I. <i>The Proboscis and Oesophagus of some British Turrids.</i> By EDMUND H. SMITH, Department of Zoology, University of Glasgow, and The Marine Station, Millport. <i>Communicated by</i> Dr C. M. YONGE, C.B.E., F.R.S. (With Seventeen Text-figures)	1
*II. <i>The Neogastropod Stomach, with Notes on the Digestive Diverticula and Intestine.</i> By EDMUND H. SMITH, Department of Zoology, University of Glasgow, and The Marine Station, Millport. <i>Communicated by</i> Dr C. M. YONGE, C.B.E., F.R.S. (With Eleven Text-figures)	23
III. <i>Trilobites from the Upper Stinchar Limestone (Ordovician) of the Girvan District, Ayrshire.</i> By RONALD PEARSON TRIPP. (With Six Plates)	43
*IV. <i>Some Specimens of Protoclepsydropsis and Clepsydropsis from the Calciferous Sandstone Series of Berwickshire.</i> By ALBERT G. LONG, M.Sc., F.R.E.S., Hancock Museum, Newcastle upon Tyne. (With Four Plates, Two Text-figures and One Table)	95
*V. <i>The Explosion-breccia Pipes near Kentallen, Scotland, and their geological setting.</i> By D. R. BOWES, M.Sc., Ph.D., D.I.C., F.G.S., Department of Geology, University of Glasgow and A. E. WRIGHT, Ph.D., F.G.S., Department of Geology, University of Birmingham. <i>Communicated by</i> Professor T. NEVILLE GEORGE, F.R.S. (With Two Plates, one Map and Seventeen Text-figures)	109
VI. <i>Vegetational Change, Shoreline Displacement and the Human Factor in the Late Quaternary History of South-West Scotland.</i> By HARVEY NICHOLS, Ph.D., Department of Meteorology, University of Wisconsin, Madison, Wisconsin, U.S.A. <i>Communicated by</i> Dr H. R. FLETCHER and Dr G. H. MITCHELL, F.R.S. (With Twelve Text-figures)	145
*VII. <i>The Littoral Copepoda (Crustacea) of Inhaca Island, Mozambique.</i> By J. B. J. WELLS, Natural History Department, Marischal College, University of Aberdeen. <i>Communicated by</i> Professor V. C. WYNNE-EDWARDS. (With Seventy-eight Text-figures and Eight Tables)	189

- *VIII. *Some Specimens of Mazocarpon, Achlamydocarpon and Cystosporites from the Lower Carboniferous Rocks of Berwickshire.* By ALBERT G. LONG, M.Sc., F.R.E.S., Hancock Museum, Newcastle upon Tyne. (With Four Plates and Two Text-figures) 359
- *IX. *The Placoderm Fish Coccoosteus cuspidatus Miller ex Agassiz from the Middle Old Red Sandstone of Scotland. Part I. Descriptive Morphology.* By ROGER S. MILES, Ph.D., and T. STANLEY WESTOLL, D.Sc., F.R.S., Department of Geology, University of Newcastle upon Tyne. (With Twelve Plates and Fifty-one Text-figures) 373
- *X. *Kochiproductus coronus sp. nov. from the Scottish Viséan and a Possible Mechanical Advantage of its Flange Structure.* By K. A. G. SHIELLS, Department of Geology, University of Glasgow. (With One Plate and Twenty Text-figures) 477

* The cordial thanks of the Society are due to the Carnegie Trust for the Universities of Scotland for grants towards the cost of the illustrations and tables in these papers. Thanks are due also to the University of Aberdeen who generously assisted with the cost of the illustrations for Paper VII.