

**PROCEEDINGS**  
OF THE  
**ROYAL SOCIETY OF EDINBURGH**  
Section **B** (Biology)

**VOL. LXIII]**

**1949**

**[PART III**

**CONTENTS**

NO.	PAGE
<p>XV. The Effect of Certain Factors on the Formation of Root Nodules on Pea Plants in Aseptic Culture. By MOIRA P. MCGONAGLE, B.Sc., Ph.D., Botany Department, University of Glasgow. <i>Communicated</i> by Professor J. WALTON, D.Sc., Sc.D. . . . .</p> <p style="text-align: right; margin-right: 20px;">219</p> <p style="text-align: right; margin-right: 20px;"><i>(Issued separately September 29, 1949.)</i></p>	219
<p>XVI. The Heather Rhizomorph Fungus, <i>Marasmius androsaceus</i> Fries. By J. A. MACDONALD, D.Sc., Ph.D., Botany Department, St Andrews University. (With One Plate and Fifteen Text-figures) . . . . .</p> <p style="text-align: right; margin-right: 20px;">230</p> <p style="text-align: right; margin-right: 20px;"><i>(Issued separately September 29, 1949.)</i></p>	230
<p>XVII. Tests for a Possible Action of Ethylene Glycol on the Chromosomes of <i>Drosophila melanogaster</i>. By SUBRATA BHATTACHARYA, M.Sc., Ph.D.(Edin.). <i>Communicated</i> by Professor C. H. WADDINGTON, F.R.S. . . . .</p> <p style="text-align: right; margin-right: 20px;">242</p> <p style="text-align: right; margin-right: 20px;"><i>(Issued separately September 29, 1949.)</i></p>	242
<p>XVIII. Studies on Reproduction in Wild-Type and Female-Sterile Mutants of <i>Drosophila melanogaster</i> (Meig). By R. A. BEATTY, Genetics Laboratory, Animal Breeding and Genetics Research Organization, Edinburgh. <i>Communicated</i> by Professor C. H. WADDINGTON, F.R.S. (With Five Text-figures) . . . . .</p> <p style="text-align: right; margin-right: 20px;">249</p> <p style="text-align: right; margin-right: 20px;"><i>(Issued separately September 29, 1949.)</i></p>	249
<p>XIX. The Structure and Behaviour of <i>Hiatella gallicana</i> (Lamarck) and <i>H. arctica</i> (L.), with special reference to the Boring Habit. By W. RUSSELL HUNTER, B.Sc., F.G.S. From the Department of Zoology, University of Glasgow, and the Marine Biological Laboratory, Millport. <i>Communicated</i> by Professor C. M. YONGE, F.R.S. (With Twelve Text-figures) . . . . .</p> <p style="text-align: right; margin-right: 20px;">271</p> <p style="text-align: right; margin-right: 20px;"><i>(Issued separately November 23, 1949.)</i></p>	271

*[Continued on page iv of Cover*

PUBLISHED BY  
**OLIVER & BOYD**  
EDINBURGH: TWEEDDALE COURT  
LONDON: 98 GREAT RUSSELL STREET, W.C.1

*Price 24s. 6d.*

# ROYAL SOCIETY OF EDINBURGH

22, 24 GEORGE STREET, EDINBURGH, 2

## THE PREPARATION FOR PUBLICATION OF PAPERS IN THE TRANSACTIONS AND IN THE PROCEEDINGS (SECTIONS "A" AND "B") OF THE SOCIETY

IN view of the high cost of publication, authors of papers are requested to write their communications in as concise a form as possible and to avoid excess of tables and illustrations.

An author is advised to retain a copy of his paper, as the Society cannot undertake any responsibility in relation to the custody of papers entrusted to it. The MS. must be easily legible, preferably typewritten on one side of quarto or foolscap paper and with pages numbered. *It must be absolutely in its final form for printing.* Each paper must be accompanied by a synopsis, the object being to provide readers or abstracters with a brief epitome of the paper. The synopsis will be printed in small type at the beginning of the paper, immediately after the "Contents", if any, and should not exceed 150–200 words.

This synopsis will not necessarily replace a "Summary of Conclusions", which will be printed, if required, as heretofore, in ordinary type at the end of the paper. A table of contents (for a long paper), references to plates, etc. must be in their proper places, and positions indicated for the insertion of illustrations that are to appear in the text. Names of genera and species should be in italics. Footnotes should be avoided where possible.

Additions to a paper after it has been finally handed in for publication will, if accepted by the Council, be treated and dated as separate communications, and may, or may not, be printed immediately after the original paper.

References to literature should be placed at the end of the paper, alphabetically arranged, under authors' names, with abridged titles of journals, thus:—

SANDEMAN, I., 1929. "The Fulcher Bands of Hydrogen", *Proc. Roy. Soc. Edin.*, XLIX, 48–64.

WHITTAKER, E. T., and ROBINSON, G., 1923. *A Short Course in Interpolation*, London.

Titles of papers should be quoted exactly, and all references to literature carefully checked by the authors before submitting the paper. References in the text should be made by quoting the author's name and the year of publication thus (Sandeman, 1929) or (Whittaker and Robinson, 1923), and adding the page when necessary.

All illustrations must be in a form immediately suitable for reproduction, preferably of a size to permit reduction to about two-thirds the linear dimensions of the original, and should be capable of reproduction by photographic processes. Drawings and diagrams to be reproduced as line blocks should be made with fixed Indian ink, preferably on fine white bristol board, free from folds or creases; smooth clean lines or sharp dots, but no washes or colours, should be used. Graphs should be on a squared paper ruled in *faint blue* lines, unless the lines are to be brought out. If the illustrations are on a large scale to be afterwards reduced, by photography, any lettering must be on a corresponding scale.

[Continued on page iii of Cover