THE QUARTERLY JOURNAL OF MICROSCOPICAL SCIENCE

Joint Editors:

Third Series, No. 38

Contents of Volume 97, Part 2, June, 1956


BAKER, J. R. The Histochemical Recognition of Phenols, especially Tyrosine.

HUGHES, A. A Demonstration of Dehydrogenase Activity in the Mitochondria of Living Cells.

RISHI, R. The Morphology of the Golgi Bodies with reference to Secretion in the Liver-cells of the Slug, Anadenus altivagus, as seen under the Phase-contrast Microscope.

MALHOTRA, S. K. The Cytoplasmic Inclusion of the Neurones of Certain Insects.

LONGLEY, J. B. and FISHER, E. R. A Histochemical Basis for Changes in Renal Tubular Function in Young Mice.

BRADBURY, S., GALBRAITH, W. and LYSTBR, M. E. A Microscopical Finder-slide.


SMARIDGE, M. W. Distribution of Iron in Daphnia in Relation to Haemoglobin Synthesis and Breakdown.

FINLAYSON, L. H. Normal and Induced Degeneration of Abdominal Muscles during Metamorphosis in the Lepidoptera.


FINLAYSON, L. H. Normal and Induced Degeneration of Abdominal Muscles during Metamorphosis in the Lepidoptera.

JOHN R. BAKER, D.Sc.
Contributors can avoid delay in the publication of their work by conforming with the following arrangements:

The Journal of Experimental Biology will publish contributions in experimental biology and comparative physiology, whether zoological or botanical. Every paper must contain a summary of the chief results of the enquiry. Authors are requested to present their work in as concise a form as possible. They will receive 50 copies of their papers free; additional copies may be purchased and should be ordered when the proofs are returned to the Editors.

All communications should be addressed to the Editors,

The Journal of Experimental Biology, Zoological Laboratory,
Downing Street, Cambridge, England.

**Manuscripts:**

MSS. should be typewritten (double spacing) on one side only of the paper, and the pages should be numbered. All paragraphs to be printed in small type should be indicated by adding a line at the side of the copy. Tables and Legends should be on separate sheets from the rest of the MS. and should be numbered. The place where they are to be inserted in the text should be indicated in the margin of the MS. Bibliography should be given under the heading of ‘References’ and in the following form: Surname of authors (in alphabetical order), initials, date of publication, title of paper, title of journal (abbreviated according to the World List of Scientific Periodicals), volume and pages of reference (first and last). In the text a reference should be quoted by the author’s name and date (in brackets), and not by the numerical order of the paper in the list of references. All names of journals and books will be printed in italics.

**Illustrations:**

(i) **Line blocks.** These should be used whenever possible. Illustrations should be pen drawings in Indian ink (jet black and waterproof) on smooth white Bristol board, heavy drawing paper or good quality tracing paper. Drawings must not be folded or creased in any way. Lettering should be temporarily and lightly put in by the author in soft pencil. Where considerable reduction is required it is essential that the drawing be of such a character as to bear such reduction. All brush work, tinting or pencil shading is to be avoided.

Charts and curves can often be drawn to best advantage on graph paper ruled in pale blue. The blue lines, while ensuring accuracy, are easily eliminated by the printer, only the blackened lines that are desired remaining.

(ii) **Text half-tone blocks.** These are suitable for illustrations involving brushwork, or in which the depth of shading is an essential feature. They can be used for such things as oscillograph records and some photographs can be reproduced in this way, a good glossy bromide print being required. Illustrations should be gummed on white card, grouped and numbered as they are to appear in print. All lettering should be shown in position on a covering sheet of transparent paper.

(iii) **Plates.** Plates should be used only for illustrations, such as photomicrographs, in which the most accurate reproduction of fine detail is called for. Plates are expensive and the Editors may require an author to defray the cost of plates which in their opinion are not essential. The photographs making up the plate should be gummed on white card, grouped and numbered as they are to appear in print. Excessive of margin the plate figures should not cover, when reduced, an area greater than 7¼ in. in length x 5 in. in width when ready for reproduction as a single plate, or 7½ in. x 11½ in. in the case of double plates. All lettering should be shown in position on a covering sheet of transparent paper.

Authors are asked not to submit sheets of illustrations which are more than foolscap size; or, if this cannot be avoided, to include photographic reductions for the convenience of referees.

**Proofsheets:**

Authors will receive one set of slip proof for correction and return to the Editors. A page proof will also be sent if the slip proof is marked by the author ‘Revise’. An allowance of ten shillings per sheet of sixteen pages will be made for alterations apart from printer’s errors. Authors may be charged for any excess over this average.

---

**THE SOCIETY FOR EXPERIMENTAL BIOLOGY**

The Society exists for the promotion of experimental biology. It holds Conferences, generally four times a year, at which the results of experimental investigations are presented and discussed. The Journal of Experimental Biology is the medium of publication of the Society. Enquiries about membership of the Society should be addressed to the Secretaries:

Dr R. Scott Russell, Department of Agriculture, Oxford

Dr J. D. Cartby, Department of Zoology, Queen Mary College, London, E. 1

PRINTED IN GREAT BRITAIN AT THE UNIVERSITY PRESS, CAMBRIDGE
(BROOKE CRUTCHLEY, UNIVERSITY PRINTER)