THE BIOCHEMICAL SOCIETY

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The Biochemical Society exists to advance the science of biochemistry through meetings and publications. Several meetings a year are held, each at a different place; original papers are presented and special topics are discussed at symposia and colloquia.

Persons interested in biochemistry are eligible for election as Members. Details of further facilities accorded to Members, and forms of application for membership, are available from the Executive Secretary, The Biochemical Society, 7 Warwick Court, London WC1R 5DP [01-242 1076 (4 lines)].

The major publication of the Biochemical Society is the Biochemical Journal. Contributors (who need not be members of the Biochemical Society) may be interested to know that the Journal places emphasis on prompt publication of both full-length papers (on average about 6 months after receipt) and rapid papers (on average 10–12 weeks after receipt).

The Journal makes no manuscript handling charges, no page charges and no charges for plates.

Reprints are available at modest cost at about the same time as publication, and, if an author is a member of the Biochemical Society, 50 reprints are provided free of charge.
The Biochemical Journal is published and distributed by the Biochemical Society. It is published twice monthly, alternate issues being devoted to Molecular Aspects and to Cellular Aspects of biochemistry. It is planned that in 1977 eight volumes, each volume being made up of three issues, will be published according to the following schedule:

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* Completes volume, and includes Indexes.

Biochemical Society Transactions. This is now a separate publication (see below). Volume 5 will be published in 1977, in six parts.

Subscription Rates to the Biochemical Journal. For non-members of the Biochemical Society the subscription rate for 1977 is as follows.

Zone A: U.S.A., Canada and Mexico, U.S. $320.00 (despatch by air freight) or sterling equivalent.

Zone B: Japan, £154.00 (despatch by accelerated surface post).

Zone C: U.K. and all remaining destinations, £140.00 (despatch by surface post).

Subscribers to the Biochemical Journal can subscribe to Biochemical Society Transactions on a joint subscription, saving £10 (U.S. $25.00). The joint subscription rates are: Zone A, U.S. $355.00; Zone B, £175.00; Zone C, £158.00. The methods of despatch of both publications are as shown above.

Terms are cash with order or against proforma invoice. Orders and subscriptions should be sent to the Biochemical Society Book Depot, P.O. Box 32, Commerce Way, Colchester CO2 8HP, Essex, or through your normal agent.

Claims regarding issues lost or damaged in transit should be addressed to the Biochemical Society at the address given in the preceding paragraph. Claims cannot be entertained if they are received later than three months after the date of posting, plus such time as would be expected for transit by post.

Back Numbers. Enquiries for volumes 1–19 of the Journal should be addressed to William Dawson & Sons Ltd., Back Issues Department, Cannon House, Park Farm Road, Folkestone, Kent. Quotations for available issues of subsequent volumes and parts of the Journal, and also of Transactions, may be obtained on application to The Biochemical Society Book Depot, P.O. Box 32, Commerce Way, Colchester CO2 8HP, Essex.

Microforms. The following versions are available.


(b) Microfiche (98-image): Volumes 102–160.

Details and prices are available on request from the Biochemical Society’s Colchester office.

Advertisements. Applications for advertising space should be sent to the Advertising Department, The Biochemical Society, 7 Warwick Court, London WC1R 5DP [01-242 1076 (4 lines)]. Copy is required eight weeks before publication date. Rate cards are available on request.
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NOTES FOR CONTRIBUTORS

It is the policy of the Biochemical Journal to publish papers in English in all fields of biochemistry, provided that they make a sufficient contribution to biochemical knowledge. Papers may include new results obtained experimentally, descriptions of new experimental methods of biochemical importance, or new interpretations of existing results. Theoretical contributions will be considered equally with papers dealing with experimental work. All work presented should have as its aim the development of biochemical concepts rather than the mere recording of facts. Preliminary or inconclusive experiments should not generally be described.


Two types of paper are accepted by the editors. Full-length papers. Papers submitted for publication should be sent, preferably in duplicate, together with an extra copy of the synopsis, to the Editorial Secretary, The Biochemical Journal, 7 Warwick Court, London WC1R 5DP. Typescripts should bear the name and address of the person to whom the proof of the paper is to be sent.

Papers submitted should be written concisely. Special attention is directed to the sections below concerning the preparation of the typescript. Typescripts that are not concise or do not conform to the conventions of the Biochemical Journal will be returned to the authors for revision. If a paper that has been returned to an author for revision is not resubmitted within one month, it will, on resubmission, be deemed to be a new paper and the date of receipt altered accordingly. A revised paper containing a significant amount of new material will also be redated.

Submission of a paper to the Editorial Board implies that it has been approved by all the named authors, that it reports unpublished work, that it is not under consideration for publication elsewhere, and that if accepted for the Biochemical Journal it will not be published elsewhere in the same form, either in English or in any other language, without the consent of the Editorial Board.

Papers should be headed by a concise but informative full title, by the names of the authors (preferably with one forename in full, with initials, for each author) and by the name and address of the establishment where the work was performed. Details of financial support appear in the acknowledgements at the end of the paper.

Before preparing papers authors should consult a current issue of the Journal to make themselves familiar with the general format, such as the use of cross-headings, lay-out of tables and citation of references. Papers should be in double-spaced typing throughout (including the references and legends of tables and figures) on sheets of uniform size with wide margins. The top copy should be submitted. Submission of a duplicate typescript in addition may avoid delay. It cannot be overemphasized that the need for revision of badly prepared typescripts inevitably leads to delays in publication.

Papers on specialized subjects should be presented so that they are intelligible to the ordinary reader of the Journal. Sufficient information must be included to permit repetition of the experimental work.

Rapid Papers. Typescripts should be submitted in duplicate, written in English, and conform strictly to the form of the Journal as far as spelling and abbreviations are concerned. Each rapid paper should be provided with a short synopsis (normally not exceeding 50 words). Such papers should not exceed 2400 words in length inclusive of the title, references etc. Authors may include insertions (preferably not more than two) such as tables, figures or schemes; in these cases authors must assess what proportion of a page these insertions will occupy and reduce the number of text words accordingly at the rate of 700 words per full page of the Journal. Authors are advised that the preparation of tables and especially figures is liable to cause an increase in publication time. In no circumstances whatsoever can a complete rapid paper occupy more than four pages of the Journal. Papers should be complete in themselves: (1) the methods used in experimental work must be adequately described or sufficient reference given to allow repetition of the work; (2) sufficient indication of the results of experimental work must be included to justify the claims made. Rapid papers should be addressed to the Editorial Secretary, The Biochemical Journal, 7 Warwick Court, London WC1R 5DP.

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Policy of the Journal and Instructions to Authors

Amendments (1977)

The Editorial Board of the Biochemical Journal has decided not to publish a complete edition of the 'Policy of the Journal and Instructions to Authors' in 1977.

Authors are requested to continue to refer to the 1976 edition of the document [Biochem. J. (1976) 153, 1-21], but to note that the following amendments should be made.

Amendments to 'Policy of the Journal and Instructions to Authors' [Biochem. J. (1976) 153, 1-21]

(a) On page 4, under 'Preparation of Papers', the following opening paragraph should be inserted:

Authors are encouraged to employ their own style, although papers must be concise and should conform to normal English usage.

(b) On page 4, column 2, the section on 'Biological and chemical hazards' should be replaced by the following:

Experimental hazards. Authors should draw attention to any particular chemical or biological hazards that may be involved in carrying out the experiments described. It may be appropriate to describe relevant safety precautions taken for any hazard, or to include a statement that an accepted code of practice has been followed. In the latter case a reference to the relevant standards should be given. The potential dangers involved in the use of pathogens or in the manipulation of the genetic composition of microorganisms were considered in three reports: (a) Report of the Working Party on the Laboratory Use of Dangerous Pathogens (Chairman: Sir George Godber; H.M.S.O., London, May 1975, Command No. 6054); (b) Report of the Working Party on the Experimental Manipulation of the Genetic Composition of Micro-organisms (Chairman: Lord Ashby; H.M.S.O., London, January 1975, Command No. 5880); (c) Report of the Working Party on the Practice of Genetic Manipulation (Chairman: Sir Robert Williams; H.M.S.O., London, August 1976, Command No. 6600).

(c) On page 5, column 2, the section on 'Deposition of data' should be replaced by the following (readers are asked to note that microfiches of supplementary material are not available from the British Library Lending Division, and that the costs of purchasing photocopies of supplements have been revised):

Deposition of data. Information (computer programs, evidence for amino acid sequences, spectra etc.) supplementing papers in the Biochemical Journal may be deposited free of charge with the British Library Lending Division, Boston Spa, Wetherby, West Yorkshire LS23 7BQ, U.K., where it will be stored in its original form. The supplementary material must in the first instance be sent to the Journal with the parent paper, and not direct to the B.L.L.D. It will be subject to editing in the normal manner before being accepted for deposition. (It should be noted, however, that the Editorial Board cannot accept the responsibility of checking the accuracy of computer programs.) The authors will then be responsible for preparing camera-ready copy according to the following specifications.

(a) Limiting page size for text or tables in typescript: 33 cm x 24 cm.

(b) Limiting size for diagrams, graphs, spectra etc.: 39 cm x 28.5 cm.

(c) Tabular matter should be headed descriptively on the first page, with column headings recurring on each page.

(d) Pages should be clearly numbered to ensure correct sequence.

It is suggested that some prefatory text should be included, such as the authors' synopsis from the parent paper. If the authors have the facilities available, the use of a type-face designed to be 'read' by computers is encouraged.

The editorial office will be responsible for depositing the material with the B.L.L.D. at this stage. This supplementary information will be available as full-size copies from the library's photocopying services, which work on a pre-paid flat-rate coupon basis.

The present coupon buys 1-10 pages of photocopy from a single item.

The present coupon costs are:

U.K. £5 for 20 coupons (or 25p. each)+VAT

Europe, £20 for 20 coupons (or £1.00 each) excluding U.K.

Elsewhere £23 for 20 coupons (or £1.15 each)

The cost includes postage. Outside the U.K. all items are sent by airmail. The Supplementary Publication number given in the paper in question should be quoted when the item is ordered.

A memorandum on the preparation of material
for data deposition is available from the Biochemical Journal Editorial Office on request.

(d) On page 9, column 1, the penultimate paragraph of the section on 'Solutions' should be expanded to read as follows:

Incubation media such as Krebs-Ringer solution, Eagle's medium, Waymouth's medium etc. should be defined either by reference or by giving the composition.

(e) On page 9, column 1, the first paragraph of the section on 'Spectrophotometric data' should be amended to read as follows:

Absorbance \( \log(I_0/I) \) should be used, not extinction or optical density [see IUPAC Manual of Symbols and Terminology for Physicochemical Quantities and Units (1975) Butterworths, London]. Symbols used are: \( A \), absorbance; \( a \), specific absorption coefficient (litre \( g^{-1} \cdot \text{cm}^{-1} \)) (alternatively use \( A_{100}^{1} \)); \( s \), molar absorption coefficient (the absorbance of a molar solution in a 1 cm light-path) (litre \( \text{mol}^{-1} \cdot \text{cm}^{-1} \), not \( \text{cm}^{2} \cdot \text{mol}^{-1} \)).

(f) On page 11, column 2, the list of abbreviations that may be used without definition, and are therefore 'accepted', should be amended as follows:

Add

<table>
<thead>
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<th>Add</th>
<th>Delete</th>
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</thead>
<tbody>
<tr>
<td>EGTA</td>
<td>TEAE-cellulose</td>
</tr>
<tr>
<td>(HO(_2)C-CH(_2))(_2)N-[CH(_2)](_2)-O-</td>
<td>Triethylaminoethylcellulose</td>
</tr>
<tr>
<td>[CH(_2)](_2)-O-[CH(_2)](_2)-N(CH(_2)-</td>
<td></td>
</tr>
<tr>
<td>CO(_2)H(_2) ('\text{ethylene glycol bis-}'</td>
<td></td>
</tr>
<tr>
<td>(aminoethylether)tetra-acetate')</td>
<td></td>
</tr>
</tbody>
</table>

(g) On pages 15-21, under 'Abbreviations, Symbols, Conventions and Definitions', the following amendments should be incorporated:

(i) On page 16, column 1, insert the new entries:

density \( \ldots \ldots \rho \text{ (g/ml)} \)
density, relative \( \ldots \ldots a \)

(ii) On page 17, column 1, insert the new entry:

'Ethylene glycol bis-(aminoethylether)-tetra-acetate'
\((\text{HO}_{2}\text{C-CH}_{2})_{2}\text{N-[CH}_{2}]_{2}-\text{O-[CH}_{2}]_{2}-\text{N(CH}_{2}-\text{CO}_{2}\text{H})_{2} \ldots \ldots \text{EGTA}\)

(iii) On page 17, column 1, amend the entry for extinction to read:

extinction \( \ldots \ldots \log(I_0/I) \) (p. 9); use absorbance

(iv) On page 17, column 1, insert the new entry:

folates \( \ldots \ldots \ldots \text{see Biochem. J. (1967) 102, 19-20}\)

(v) On page 17, column 2, correct the symbol for inhibitor constant:

For \( K_i \) read \( K_1 \)

(vi) On page 19, column 2, insert the new entry:

pound-force per square inch \( \text{lbf/in}^{2} \) (use SI units:
\( 1\text{lbf/in}^{2} \approx 6.9\text{kPa} \))

(vii) On page 20, column 1, insert the new entry:

sodium dodecyl sulphate \( \ldots \ldots \text{SDS} \) (to be defined in a footnote)