The Postal Strike

A protracted strike of postal workers in the U.K. is delaying the posting of current issues of the *Biochemical Journal* and is adversely affecting intermediate stages in the publication of subsequent issues. Subscribers are assured that every effort is being made to send them their copies of the *Biochemical Journal* as promptly as possible, but are warned that some delays are, unfortunately, inevitable.
The Biochemical Journal
THE BIOCHEMICAL SOCIETY
OFFICERS AND COMMITTEE, 1970–71
Chairman of the Committee
G. A. D. HASLEWOOD

Committee Secretary
A. N. DAIVISON
Meetings Secretary
H. M. KEIR

International Secretary
A. P. MATHIAS

Treasurer
W. F. J. CUTHBERTSON
Assistant Treasurer
D. F. ELLIOTT

Committee
J. S. D. BACON  R. HOFFENBERG*‡
W. BARTLEY     A. KORNER
R. B. BEECHEY   H. A. KREBS
R. M. C. DAWSON D. J. MANNERS*†
D. T. ELMORE    S. V. PERRY

* Ex officio Member of Committee.
† Representative of Editorial Board of the Biochemical Journal.
‡ Representative of Editorial Board of Clinical Science.
§ Symposium Organizer.

The Biochemical Society exists to advance the science of biochemistry through meetings and publications. Eleven 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 1076/7/8/9).

The Biochemical Journal is published and distributed by the Biochemical Society. It is published twice monthly, in four or more volumes per year. It is planned that five volumes will appear in 1971. The index for each volume is published separately.

Subscriptions to the Biochemical Journal. For non-members of the Biochemical Society the subscription to the Journal at the present rate of publication is £45 per year (£9 per volume). For non-members in the U.S.A. the 1971 subscription is $110 per year ($22 per volume). All subscriptions are payable in advance at the time of ordering. Orders and subscriptions should be sent to the Biochemical Society (Publications), 7 Warwick Court, London WC1R 5DP.

Claims regarding issues lost or damaged in transit should be addressed to the Biochemical Society at the address in the preceding paragraph. No claims can be entertained if they are received later than three months after the date of posting of the Journal.

Back Numbers. Enquiries for volumes 1–19 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 may be obtained on application to Walter J. Johnson Ltd., Berkeley Square House, Berkeley Square, London W1X 6BA, or to the Biochemical Society.

Advertisements: Applications for advertising space should be sent to the Advertising Department, The Biochemical Society, 7 Warwick Court, London WC1R 5DP (01-242 1076/7/8/9). Copy is required eight weeks before publication date. Rate cards are available on request.

Microfilms. Volumes 1–89 (1906–1963) have been recorded on microfilm by Micro Methods Ltd., East Ardsley, Wakefield, Yorks. Details are available from the firm or the Biochemical Society.

London: The Biochemical Society © 1971
### INDEX TO AUTHORS

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atkinson, M. R.</td>
<td>803</td>
<td>Leslie, R. G. Q.</td>
<td>829</td>
</tr>
<tr>
<td>Bailey-Wood, R.</td>
<td>747</td>
<td>Lindsay, D. G.</td>
<td>737</td>
</tr>
<tr>
<td>Banerjee, A. B.</td>
<td>839</td>
<td>London, D. R.</td>
<td>817</td>
</tr>
<tr>
<td>Bose, S. K.</td>
<td>839</td>
<td>Melamed, M. D.</td>
<td>829</td>
</tr>
<tr>
<td>Burgoyne, L. A.</td>
<td>803</td>
<td>Plack, P. A.</td>
<td>847, 857</td>
</tr>
<tr>
<td>Clarke, A. E.</td>
<td>811</td>
<td>Pritchard, D. J.</td>
<td>847</td>
</tr>
<tr>
<td>Cohen, S.</td>
<td>829</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Denborough, M. A.</td>
<td>811</td>
<td>Quayle, J. R.</td>
<td>753, 763</td>
</tr>
<tr>
<td>Fern, E. B.</td>
<td>817</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forstner, G. G.</td>
<td>781</td>
<td>Sengupta, S.</td>
<td>839</td>
</tr>
<tr>
<td>Fraser, N. W.</td>
<td>847, 857</td>
<td>Shall, S.</td>
<td>737</td>
</tr>
<tr>
<td>Hansford, R. G.</td>
<td>771</td>
<td>Thomas, P.</td>
<td>747</td>
</tr>
<tr>
<td>Hanson, R. F.</td>
<td>863</td>
<td>Tudball, N.</td>
<td>747</td>
</tr>
<tr>
<td>Harder, W.</td>
<td>753, 763</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hider, R. C.</td>
<td>817</td>
<td>Waqar, M. A.</td>
<td>803</td>
</tr>
<tr>
<td>Hughes, R. C.</td>
<td>791</td>
<td>Williams, G.</td>
<td>863</td>
</tr>
</tbody>
</table>

Kinetic analysis of insulin action on amino acid uptake by isolated chick embryo heart cells. By G. G. Guidotti, A. F. Borchetti, B. Lüneburg and G. C. Gazzola

Thymidine kinase of rat tissues. ‘Activation’ by phospholipase C and subcellular distribution in the liver. By F. Stirpe and M. La Placa

A survey of the interaction of calcium ions with mitochondria from different tissues and species. By E. Carafoli and A. L. Lehninger

Protein aggregation in C-phycocyanin. Studies at very low concentrations with the photoelectric scanner of the ultracentrifuge. By R. MacColl, J. J. Lee and D. S. Berns

The nature of the non-ultrafilterable glycosaminoglycans present after proteolysis of normal human urine. By E. Wessler

The diglyceride kinase of rat cerebral cortex. By E. G. Lapetina and J. N. Hawthorne

Effect of nitrogenase components from mutant and wild-type strains of Azotobacter on the dilution effect of nitrogenase. By G. J. Sorger


Development of adenylate kinase isoenzymes in rat liver. By R. Filler and W. E. Criss

Metabolic effects of the major component of bovine growth hormone. By N. I. Swislocki, M. Sonenberg and M. Kikutani

Amino acid sequences around the cysteine residues of rabbit muscle triose phosphate isomerase. By J. C. Miller and S. G. Waley

Carbon and sulphur utilization during growth of Pseudomonas fluorescens on potassium D-glucose 6-O-sulphate as the sole sulphur source. By J. W. Fitzgerald and K. S. Dodgson

Some features of the bacterial membrane studied with the aid of a new fractionation technique. By M. J. Daniels

The inhibition of pepsin-catalysed reactions by structural and stereochemical product analogues. By T. M. Kitson and J. R. Knowles

The pathway of pepsin-catalysed transpeptidation. Evidence for the reactive species being the anion of the acceptor molecule. By T. M. Kitson and J. R. Knowles


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. All work presented should have as its aim the development of biochemical concepts rather than the mere recording of facts. Theoretical contributions will be considered equally with papers dealing with experimental work. 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 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. 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 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 title, by the names of the authors and by the name and address of the establishment where the work was performed. Details of financial support may 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 references and legends of tables and figures) on sheets of uniform size with wide margins. The top copy should be submitted. It cannot be overemphasised 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.

Short Communications. 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. Such communications must not exceed 1200 words of text, but in addition may include either one table, typed on a separate sheet, or one figure, drawn according to the rules of the Journal. If no figure or table is included the text may be expanded to 1400 words. Communications should be addressed to the Editorial Secretary, The Biochemical Journal, 7 Warwick Court, London WC1R 5DP. Papers should be complete in themselves; (1) the methods used in experimental work must be adequately described or sufficient references given to allow repetition of the work; (2) sufficient indication of the results of experimental work must be included to justify the claims made.
SCIENTIFIC/TECHNICAL OFFICER

required for research in steroids in Department of Medicine. Graduate in biochemistry or equivalent from U.K. university. Experience of analytical methods required. Salary according to qualifications and experience.

Applications to Secretary, Royal Postgraduate Medical School, Hammersmith Hospital, Ducane Road, London W.12 quoting ref. 2/265.

THE BIOCHEMICAL JOURNAL

MARCH 1st 1971

Index to Advertisers

Advertisers' Index ix
Aldrich Chemicals outside back cover
Biochemical Society ix
Blackwell Scientific Publications inside back cover
Boehringer Corporation (London) Ltd viii
Hammersmith Hospital ix
Measuring & Scientific Equipment Ltd iv
Nuclear Enterprises vii
Nutritional Biochemicals vi
Walter de Gruyter & Co x

Cumulative Index for Volumes 91–115 of The Biochemical Journal

Available from
The Biochemical Society, Publications Department, 7 Warwick Court, LONDON WC1R 5DP

Members: £3.25—U.S. $9
Non-Members: £5.25—U.S. $13

Royal Postgraduate Medical School

POST DOCTORAL BIOCHEMIST/CHEMIST

required to study Co-enzyme A ester inter-actions as model systems for in-born errors of metabolism. Experience in Enzymology and Chemical syntheses an advantage. Post available for 2 years at a starting salary of £1,690 per annum. Applications to Secretary, Royal Postgraduate Medical School (Tel. 01-743 2030 Extn. 351) Hammersmith Hospital, Ducane Road, London, W.12 quoting ref. 2/474.