

biochemical society transactions

1975

Vol. 3, No. 5

Managing Editor

R. B. BEECHEY

london: the biochemical society © 1975

Biochemical Society Transactions. This journal contains reports of the formal presentations of data and comments communicated to the Biochemical Society at Meetings and Colloquia organized either by the Society or by the Groups of the Society. It is not a journal for the direct reporting of biochemical data. However, short reviews that survey important areas of biochemistry will be considered, but authors should consult the Managing Editor of *Biochemical Society Transactions* before preparing such articles.

Communications to be published in *Biochemical Society Transactions* should be prepared to the instructions printed in the current copy of the Agenda Papers. The general requirements for presentation will be similar to those of the *Biochemical Journal*. Should any problems arise concerning the preparation of papers for *Biochemical Society Transactions* authors are recommended to use the 'Policy of the Journal and Instructions to Authors' [*Biochem. J.* (1975) **145**, 1–20] as a general guide. SI symbols for units will be used [see *Pure Appl. Chem.* (1970) **21**, 1–44; *Quantities, Units & Symbols* (1971) The Royal Society, London].

In 1975 Volume 3 will be published. This will be in six parts published at approximately bi-monthly intervals. The subscription to non-members will be £18.00, except for subscribers in U.S.A., Canada and Mexico, for whom the rate is \$40.00 or the sterling equivalent at the time of payment. Despatch will be made by air freight to these countries.

A concessionary joint subscription is available to subscribers to both the *Biochemical Journal* and *Biochemical Society Transactions*, at a saving of £10.00 (\$25.00). The joint subscription is £113.00 (air freight joint subscription \$280.00 or the sterling equivalent).

Volumes 1 and 2 of *Biochemical Society Transactions* are available at £15.00 (\$40.00) complete or £3.00 (\$8.00) per part.

Orders, back numbers and lost copies. Orders, enquiries for back numbers and claims regarding issues lost or damaged should be addressed to: Biochemical Society (Publications), P.O. Box 32, Commerce Way, Whitehall Road Industrial Estate, Colchester CO2 8HP.

No claims can be considered if they are received later than three months after the date of posting of *Transactions*.

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.

The Biochemical Society exists to advance the science of biochemistry through meetings and publications. Meetings are held at different places; 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 [Telephone 01-242 1076 (4 lines)].

Second-class postage paid at New York, N.Y. U.S.A.

Vol. 3

The Osmotic Pressure of Biological Macromolecules

M. Tombs and A. R. Peacocke

Measurements of osmotic pressure have contributed much to the study of macromolecules in solution, and recent improvements in instrumentation have further enhanced the usefulness of the method. This book provides a comprehensive account of both the practice of osmotic pressure measurement and the theory that underlies it. £7 *Monographs in Physical Biochemistry*

Biological Membranes

Twelve Essays on their Organization, Properties, and Functions

Edited by D. S. Parsons

Membranes play a central part in the activities of living cells. These essays emphasize the dynamic nature of their structure and of the biochemical processes that control the movement of substances through them. The topics considered include cell fractionation, physical biochemistry, the biochemistry of development, the biochemistry of metal ions, the use of artificial membranes, and physiological aspects of membrane transport. £4.25

Principles and Problems in Physical Chemistry for Biochemists

Nicholas C. Price and Raymond A. Dwek

Student biologists and biochemists are here introduced to physical chemistry by means of worked examples and problems, and brief explanations of the most important theoretical points. The text is developed logically and shows the student how it is possible, by using thermodynamic quantities, to predict whether a process can occur, and from kinetic studies to predict how fast this will happen. £5.50; paper covers £2.35

Oxford University Press

INDEX OF AUTHORS

- Abdul-Cader, Z. 688
 Ackroyd, B. 707
 Ahkong, Q. F. 733, 734
 Allan, D. 751
 Amrit, D. 669
 Argent, B. E. 713
- Back, D. J. 688
 Barlow, B. 684
 Barritt, G. J. 711
 Baum, H. 598
 Beale, D. 626
 Beastall, G. H. 677
 Beedle, A. S. 738
 Bender, D. A. 704
 Benedetti, M. S. 730
 Bennun, A. 721
 Berthillier, G. 755
 Boxer, D. H. 763, 765
 Britton, G. 741
 Brooks, C. J. W. 675
 Brown, D. J. 741
 Brydon-Golz, S. 721
 Bygrave, F. L. 711, 740
 Byng, G. S. 742
- Campbell, A. K. 709, 768
 Case, R. M. 713
 Christodoulides, L. 680
 Clark, B. F. C. 645
 Clegg, R. A. 689, 691
 Clough, H. B. 769
 Coleman, R. 746, 747,
 752, 754, 755
 Cramer, F. 640
- Davies, R. 671
 Davies, R. J. H. 655
 Dawson, R. M. C. 740
 de Kruyff, B. 618
 Denton, R. M. 718
 de Souza, M. M. 688
 Donnahey, P. L. 775
 Dorman, D. M. 711
 Dormer, R. L. 709, 768
 Dunn, D. B. 656
- Elkin, A. 754
 Ellory, J. C. 749
 Embry, G. 661
 Enderby, G. 680
- Fellows, N. F. 772
 Fisher, D. 733, 734
 Fry, M. 736
- Ghandour, M. S. 694,
 696
 Giles, I. G. 714
 Glover, J. 744
 Goddard, J. P. 688
 Gombos, G. 694, 696
 Goodall, A. H. 733
 Goodwin, T. W. 738,
 743
 Graham, J. M. 761
 Grahame-Smith, D. G.
 702
 Gray, G. M. 752
 Green, N. M. 604
 Gregoriadis, G. 613
 Grove, Y. K. 701
- Haight, R. O. 727
 Hallinan, T. 733, 734
 Harrap, K. R. 649
 Harrison, J. 665, 666
 Haslam, J. M. 772
 Hart, C. A. 733, 734
 Haworth, C. 669
 Hawthorne, J. N. 591
 Hemming, F. W. 665,
 666, 775
 Hicks, R. M. 759
 Holdsworth, G. 746, 747
 Holzbauer, M. 702
 Huggins, A. K. 669
 Hynes, R. O. 761
 Hynie, I. 687
- Jay, F. T. 660
 Jeffrey, J. 674
 Jerde, R. S. 727
 Joel, C. D. 727
 Joel, P. B. 727
 Jones, D. S. 659, 660
- Kamp, H. H. 608
 Keir, H. M. 652
 Kemp, P. 749
 Ketterson, B. 626, 680,
 759
 Kreber, L. 730
- Lam, R. 730
 Lewis, B. A. 752, 754
- Lindup, W. E. 635
 Louis, A. 730
 Lowdon, M. 688
 Lowe, P. A. 652
 Lucy, J. A. 611, 733, 734
 Lunt, G. G. 701
- Maddy, A. H. 593
 Malcolm, A. D. B. 652,
 654
 Malnoë, A. 730
 Mayhew, E. 606
 McIlwain, H. 579
 McLennan, A. G. 652
 Meuwissen, J. 626
 Michell, R. H. 751, 752,
 754
 Mitchell, B. 683
 Mitchell, J. R. 622
 Muhilal, H. 744
 Munday, K. A. 714
 Munn, E. A. 749
- Ngaha, E. O. 736
 Nowell, P. T. 688
- Old, J. M. 659
 Olover, G. J. A. 666
 Ord, M. G. 724
 Owen, J. M. 668
- Palamarszyk, G. 665
 Papahadjopoulos, D. 606
 Parry, J. 688
 Patterson, D. S. P. 698
 Pierpoint, W. S. 671
 Plummer, D. T. 736
 Poat, P. C. 714
 Poste, G. 606
- Quirk, S. J. 734
- Randle, P. J. 718
 Rebel, G. 696
 Rees, H. H. 738
 Rich, A. 641
 Riches, P. G. 649
 Robert, J. 694, 696
 Roberts, G. C. K. 630
 Rosen, A. 622
- Sampson, B. 684
 Sargent, J. R. 668

- Schneider, M. 730
Scott, J. E. 662
Sellwood, S. M. 649
Shukla, S. D. 756, 769
Singh, J. K. G. 680
Smith, A. G. 675
Smith, R. L. 730
Smith, R. K. 713
Smith, W. R. D. 707
Stansbie, D. 718
Stroemer, J. R. 727
Stubbs, C. D. 759
Sweasey, D. 698

Tanner, M. J. A. 596
Thomas, B. H. 687
- Thomson, A. J. 668
Thrower, S. 724
Tigwell, M. J. 662
Tipping, E. 626, 680
Trigg, M. D. M. 656
Turner, J. M. 742, 756,
 769

van Deenen, L. L. M.
 608
Vernon, R. G. 717
Vincendon, G. 694, 696

Walker, D. G. 755
Waslyk, B. 654
Webb, M. 632

White, I. H. 674
Whitehead, E. 661
Wilkinson, A. 684
Wingfield, P. T. 763, 765
Wirtz, K. W. A. 608
Woods, H. F. 683
Wong, L. T. 687
Wrigglesworth, J. M.
 598

Youdim, M. B. H. 683,
 702

Zanetta, J.-P. 694
Zeitz, W. 687

THE BIOCHEMICAL SOCIETY
SPECIAL PUBLICATIONS SERIES

No. 1 BIOCHEMISTRY AND MENTAL ILLNESS

Edited by L. L. IVERSEN and S. P. R. ROSE
1973 251 pp. £4.50 (\$12.00)

No. 2 BIOCHEMISTS IN INDUSTRY

Edited by K. W. FULLER
1973 58 pp. £1.25 (\$3.50)

No. 3 THE METABOLISM AND FUNCTION OF VITAMIN D

Edited by D. R. FRASER
1974 114 pp. £4.00 (\$10.50)

No. 4 MEMBRANE ADENOSINE TRIPHOSPHATASES AND
TRANSPORT PROCESSES

Edited by J. R. BRONK
1974 197 pp. £5.00 (\$12.50)

Available from your bookseller or agent, or direct from
THE BIOCHEMICAL SOCIETY (PUBLICATIONS)
P.O. Box 32, Commerce Way,
Colchester CO2 8HP, Essex

Leaflets giving details of contents of the above publications are available
on request