

biochemical society transactions

August 1979

Vol. 7, No. 4

Managing Editor

D. C. WATTS

Book Reviews Editor

B. MORELAND

london: the biochemical society © 1979

Biochemical Society Transactions contains scientific reports of Society Colloquia and Members' Communications presented at the Biochemical Society's Meetings held in various parts of the U.K. and Ireland and, occasionally, in conjunction with other Societies, abroad. Short Biochemical Reviews, Book Reviews, Special Lectures of the Society and other information of biochemical interest are also included. Research papers are not accepted for publication directly.

Manuscripts reporting contributions to a Society Meeting must conform to the style of the *Biochemical Journal*. For general guidance see *Biochem. J.* (1978) **169**, 1–27. Data should be expressed in SI units [see *Pure Appl. Chem.* (1970) **21**, 1–44; *Quantities, Units and Symbols* (1971) The Royal Society, London]. Typescripts are technically sub-edited, but are not edited for scientific content, which is entirely the responsibility of the authors.

Volume 7, Parts 1–6 will be published in February, April, June, August, October and December 1979.

	1 Year	Per Part
U.K. & Eire	£32.00	£5.40
U.S.A., Canada & Mexico (by Airfreight)	U.S. \$70.00	U.S. \$12.50
Japan (by Accelerated Surface Post)	U.S. \$75.00	U.S. \$13.50
Other Overseas Destinations (by Surface Post)	U.S. \$60.00	U.S. \$10.50

Save £15 (U.S. \$25.00)

A combined 1979 subscription to *The Biochemical Journal* and *Biochemical Society Transactions* is offered at the following rates:

U.K. & Eire	£187.00
U.S.A., Canada & Mexico (by Airfreight)	U.S. \$395.00
Japan (by Accelerated Surface Post)	U.S. \$410.00
Overseas (by Surface Mail)	U.S. \$345.00

IMPORTANT NOTICE. All subscribers outside the U.K. and Ireland must remit in U.S. \$ or the sterling equivalent at the rate of exchange prevailing at the date of payment.

Orders, back numbers and lost copies. Orders, enquiries for back numbers and claims regarding issues lost or damaged should be addressed to: Biochemical Society Book Depot, 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*, plus such time as would be expected for transit by post.

Back issues of *Biochemical Society Transactions* are available at the following prices:

Volumes 1 and 2 each	£15.00 (\$40.00) [single parts £3.00 (\$8.00)]
Volume 3	£18.00 (\$40.00) [single parts £3.20 (\$8.00)]
Volume 4	£24.00 (\$50.00) [single parts £4.20 (\$10.50)]
Volume 5	£28.00 (\$55.00) [single parts £4.80 (\$10.50)]
Volume 6	£32.00 (\$60.00) [single parts £5.40 (\$10.50)]

N.B. By Surface Mail to overseas addresses.

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, NY, U.S.A.

	PAGE
Mitochondrial ion movements with special reference to calcium ions and heart mitochondria. <i>By</i> E. J. Harris	770
Calcium-transporting and other functional membranes in microsomal preparations of skeletal muscle. <i>By</i> D. R. Headon	775

Communication

Analysis of rabbit skeletal-muscle microsomal proteins. <i>By</i> M. L. O'Connor, C. M. Ni Curraín & D. R. Headon	778
---	-----

BIOCHEMICAL REVIEWS

Glycoproteins: A tribute to Albert Neuberger. <i>By</i> A. K. Allen & T. N. Palmer	781
Comparative biochemistry of plant glycoproteins. <i>By</i> N. Sharon & H. Lis	783
Some observations on why many proteins are glycosylated. <i>By</i> R. D. Marshall	800

BOOK REVIEWS

807

INDEX OF AUTHORS

Agutter, P. S. 691, 710, 720	Daniels, R. S. 729	Griffiths, L. A. 645
Allen, A. K. 781	Davies, J. 668	Gutteridge, S. 628
	Davis, C. 680	
Bannister, J. V. 716	Dickerson, J. W. T. 651	Hackett, A. M. 645
Bannister, W. H. 716	Duggan, P. F. 757	Haeckel, R. 749
Beavis, A. D. 627	Dunbar, S. F. 651	Hardman, N. 663, 665, 667
Bianco, P. J. 639	Eady, R. R. 633	Harkins, R. N. 714
Birdsall, W. J. 702	Eddowes, M. J. 735	Harris, E. J. 770
Blair, J. A. 646, 648, 675	Edward, M. 643	Headon, D. R. 775, 778
Bock, P. E. 627	Edwards, R. G. 699	Heffron, J. J. A. 767
Boyd, G. S. 641	Elzanowska, H. 735	Heilmann, C. 765
Bray, R. C. 628	Embi, N. 622	Hewitt, E. J. 629
Bremner, I. 677	Esnouf, M. P. 624, 718	Higashida, H. 670
Brown, A. J. P. 665	Evans, J. S. 701	Hilburn, M. E. 675
Brown, J. 739		Hill, H. A. O. 716, 718, 733, 735
Butt, N. M. 655	Fergie, R. C. 665	Hipkiss, A. R. 727, 729
	Fordyce, A. M. 721	Holbrook, J. J. 627
Cameron, C. H. 678	Fothergill, L. A. 714	Horton, A. A. 673
Cannon, M. 668	Fullmer, C. S. 702	House, E. S. A. 652
Carrier, M. J. 255	Furieux, H. M. 697	
Carter, C. J. 668		Illing, H. P. A. 652
Cass, A. E. G. 716	Garner, C. D. 629	
Clark, C. M. 654	Gillespie, D. A. F. 663	Jack, P. L. 667
Cohen, P. 622	Goodlad, G. A. J. 654	Johnston, I. A. 659, 661
Coleman, I. P. L. 675	Gougoux, A. 753	Jones, R. S. 639
Collier, H. O. J. 655	Graham, A. B. 708	Jones, R. W. 724
Connolly, B. A. 713	Grand, R. J. A. 619	
Coombs, T. L. 711	Green, M. R. 718	
Cryer, A. 650	Gregoriadis, G. 678, 680	