

# QUARTERLY REVIEWS OF BIOPHYSICS

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VOLUME 8 1975

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# BIOPHYSICAL JOURNAL

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The September 1975 issue of the *Biophysical Journal* will contain:

Papers presented at the Workshop on Membrane Bioenergetics held in February 1975 at the Annual Meeting of the Biophysical Society. Organized by A. Scarpa and S. Fleisher. Topics include:

**Carriers and Channels**, D. C. Tosteson, chairman

Contributors: L. J. Mullins; C. M. Armstrong; and J. E. Hall

**Detection of Lipid Lateral Phase Separation**, J. K. Blasie, chairman

Contributors: D. M. Engelman; D. Papahadjopoulos and G. Poste; and C. W. M. Grant

**Charge Distribution**, B. Chance, chairman

Contributors: R. H. Lozier, R. A. Bogomolni, and W. Stoeckenius; S. Papa, F. Guerrieri, and M. Lorusso; and C. L. Slayman and D. Gradmann

Regular papers in this issue include:

**The origin of the nonexponentiality of the water proton spin relaxations in tissues**

J. G. Diegel and M. M. Pinter

**Permselectivity of the glomerular capillary wall to macromolecules. I. Theoretical considerations**

Ramsay L. S. Chang, Channing R. Robertson, William M. Deen and Barry M. Brenner

**Permselectivity of the glomerular capillary wall to macromolecules. II. Experimental studies in rats using neutral dextran**

Ramsay L. S. Chang, Iris F. Ueki, Julia L. Troy, William M. Deen, Channing R. Robertson and Barry M. Brenner

**Low temperature kinetics of H<sup>+</sup> changes in bacterial rhodopsin**

B. Chance, M. Porte, B. Hess and D. Oesterhelt

**Photolysis of bacterial rhodopsin**

M. Chu Kung, D. DeVault, B. Hess and D. Oesterhelt

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## INFORMATION FOR CONTRIBUTORS TO QUARTERLY REVIEWS OF BIOPHYSICS

1. *Quarterly Reviews of Biophysics* is the official journal of the International Union for Pure and Applied Biophysics. As such, its primary aim is to provide a forum for general and specialized communication between biophysicists working in different areas. This will normally be achieved by inviting authors who have made significant contributions to give a critical and readable account of recent progress in their special fields. Shorter and even controversial articles discussing topics of particular current interest will also be published.

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BERNAL, J. D. (1967). *Origin of Life*. London: Weidenfeld and Nicolson.

EIGEN, M. (1968). New looks and outlooks on physical enzymology. *Q. Rev. Biophys.* 1, 3-33.

5. Drawings should be in Indian ink on tracing paper. They should be drawn roughly twice the size of the finished block. Explanations should as far as possible be placed in the legends. Lettering for photographs should either be on a duplicate print or on an accurately registered overlay.

6. The author will receive only one set of page proofs for correction. Fifty reprints of each review will be provided free of charge. Additional copies may be purchased.

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# QUARTERLY REVIEWS OF BIOPHYSICS

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Reviews on the following topics will appear in forthcoming issues:

Volume 9, No. 1, will contain papers presented at the Symposium on 'Dynamics of Macromolecules in Solution' during the Vth International Biophysics Congress held in Copenhagen in August 1975.

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