

QUARTERLY REVIEWS OF BIOPHYSICS

VOLUME 12 1979

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Published for the International Union for
Pure and Applied Biophysics

Cambridge University Press 1979

Published by the Press Syndicate of the University of Cambridge
The Pitt Building, Trumpington Street, Cambridge CB2 1RP
32 East 57th Street, New York, N.Y. 10022

© Cambridge University Press 1979

Printed in Great Britain at the University Press, Cambridge

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Biophysical Discussions

SECOND DISCUSSION—MAY 1980

Proteins and Nucleoproteins: Structure, Dynamics, and Assembly

The Biophysical Society will hold its second Biophysical Discussion at Airlie House, Airlie, Virginia (near Washington, D. C.) on May 18–21, 1980.

This Discussion will consider recent advances in understanding the principles of macromolecular structure, dynamics, and assembly of proteins and nucleoproteins. Sessions will be devoted to:

Elucidation of structure by diffraction and spectroscopic methods

Nature of forces stabilizing macromolecular structure

Fluctuations in macromolecular structures

Mechanisms of folding and assembly

Experimental systems to be discussed include proteins, viruses, and organelles involving protein-nucleic acid interactions.

One month prior to the meeting, all participants will receive a study book containing the full texts of Discussion papers and 1000-word abstracts of the Discussion Posters. There will be no formal presentation of Discussion papers at the meeting, only five-minute reminders by the author(s) followed by open discussion. Participants may contribute short, formal, written comments of their own to be distributed at the meeting. Edited transcripts of each session's discussion will be added to the final record of the proceedings, to be published as the October issue of the *Biophysical Journal*.

For further information contact Valerie Parsegian, Executive Secretary, Biophysical Discussions, Box 30239, Bethesda, Maryland 20014. Phone 202-362-8184. The deadline for receiving completed applications for participating in the second Biophysical Discussion is March 1, 1980.

Quarterly Reviews of Biophysics, 12, 4

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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.

2. Reviews should preferably be written in English. The style of presentation must be concise, with only key references.

3. Three copies of manuscripts are required. They should be typed in double spacing with a margin of 4 cm all round. The position of tables and illustrations should be indicated in the text. Tables and legends for illustrations should be typed on separate pages. A table of contents should be provided for printing at the head of the article.

4. In the text, the references should be to authors and year. When a paper cited has three or more authors the style Smith *et al.* (1973) should be used on all occasions. At the end of the paper, references should be listed alphabetically, with the full title of each paper, and the first and last pages. Abbreviations of journal titles should follow the latest edition of the *World List of Scientific Periodicals*. For example

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.

QUARTERLY REVIEWS OF BIOPHYSICS

Reviews on the following topics will appear in forthcoming issues:

Large-Angle X-ray Scattering as a New Method of Studying
Conformational Rearrangements in Biopolymers in Solution

B. A. FEDEROV

Quantum Mechanical Tunneling in Biological Systems

DON DEVAULT

Transmitter studies by intracellular recording of electrical
activity in brain tissue slices

PER ANDERSON and I. LANGMOEN

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Printed in Great Britain at the University Press, Cambridge