QUARTERLY REVIEWS OF

Biophysics Biophysics Biophysics Biophysics

VOLUME 24

NUMBER 4

NOVEMBER 1991

EDITORS

PROFESSOR CARL-IVAR BRÄNDÉN

Swedish University of Agricultural Sciences, Uppsala Biomedical Centre, Department of Molecular Biology, P.O. Box 590, S-751 24 Uppsala, Sweden

DR RICHARD HENDERSON

MRC Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, England

PROFESSOR CHRIS MILLER

Department of Biochemistry, Brandeis University, Waltham, Mass. 02254, USA

PROFESSOR RUDOLF RIGLER

Department of Medical Biophysics, Karolinska Institutet, Box 60400, S-104 01 Stockholm, Sweden

PROFESSOR JAMES C. WANG

Harvard University, Department of Biochemistry and Molecular Biology, 7 Divinity Avenue, Cambridge, Mass. 02138, USA.

Quarterly Reviews of Biophysics is the official organ of the International Union for Pure and Applied Biophysics (IUPAB).

COUNCIL OF IUPAB

H. J. C. BERENDSEN (The Netherlands)

Vice-President

M. BRUNORI (Italy) President

C. E. CHALLICE (Canada)

H. EISENBERG (Israel)

G. EISENMAN (USA)

E. E. FESENKO (USSR)

P. J. GARRAHAN (Argentina)

N. GO (Japan)

G. GOVIL (India)

J. N. JANSONIUS (Switzerland)

A. C. T. NORTH (UK)

D. A. D. PARRY (New Zealand)

L. D. PEACHEY (USA) Honorary Vice-President

R. RIGLER (Sweden) Vice-President

J. A. SUBIRANA (Spain)

J. TIGYI (Hungary) Secretary-General

Subscriptions: Quarterly Reviews of Biophysics (ISSN 0033-5835) is published quarterly in February, May, August and November. The subscription price (which includes postage) of Volume 24, 1991 is £99 UK, £106 elsewhere (US \$195) for institutions, £49 (US \$95) for members of IUPAB and individuals ordering direct from the Press and certifying that the journal is for their personal use. Single parts cost £27 (US \$52) plus postage. US dollar prices apply to USA and Canada. Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publishers: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU. Orders from the USA and Canada should be sent to Cambridge University Press, The Journals Department, 40 West 20th Street, New York, NY 10011-4211, USA. Copies of the journal for subscribers in USA and Canada are sent by air to New York to arrive with minimum delay. Second class postage paid at New York, NY, and at additional mailing offices. POSTMASTER: send address changes in USA and Canada to Quarterly Reviews of Biophysics, Cambridge University Press, 110 Midland Avenue, Port Chester, New York, NY 10573-0864.

© Cambridge University Press 1991