### ESSAYS IN MEDICAL BIOCHEMISTRY

#### **VOLUME 3**

Edited by V. Marks and C. N. Hales. pp. 152. £4.50 (U.S. \$9.00)

This volume presents in an attractive and readable form four biochemical topics of current medical interest. Hormones feature in articles on folate and B<sub>12</sub> interaction, and the role of the alimentary tract as an endocrine organ. Growing knowledge of proteins secreted by tumours is presented by Dr. I. Chanarin, and Dr. J. B. Holton discusses the value and risks of tests based on amniocentesis. The contributors clearly point out the limits of present knowledge and the scope for further development.

List of Contents and Authors *Preface* 

Folates, Cobalamins and their Interrelationship in Man

By I. Chanarin

Tumour Markers
By K. D. Bagshawe and F. Searle
Diagnostic Tests on Amniotic Fluid
By J. B. Holton

The Gastrointestinal Hormones with Particular Reference to their Role in Regulation of Insulin Excretion
By V. Marks and D. S. Turner

Still available

Volume 1 £2.00 (US \$5.00) Volume 2 £4.00 (US \$8.00)

# Writing a SCIENTIFIC PAPER (4th Edition)

by VERNON BOOTH

A GUIDE TO IMPROVED WRITING FOR ALL FROM RESEARCH STUDENTS TO PROFESSORS

CONCISE . . .

INFORMATIVE...
...EASY TO READ

This is an extensively revised and updated edition; the earlier editions are all out-of-print, having sold many thousands of copies. The continuing demand shows its worth to any scientist, from student to professor, who writes for publication. Written in concise form this booklet contains much valuable information within its pages. By far the cheapest publication on this subject and a worthy addition to your bookshelf.

32 pp. £1.00 (U.S. \$2.00)

SPECIAL DISCOUNTS are available to bona fide students' bodies or departments wishing to purchase in quantity:

11-20 copies less 10% discount

21-30 copies less 20% discount

31–50 copies less 30% discount 51 or more

copies less 40% discount

All orders, together with remittance, to:

## THE BIOCHEMICAL SOCIETY Book Depot

P.O. Box 32, Commerce Way, Colchester CO2 8HP, Essex, U.K.

#### SPECIAL PUBLICATION No. 5

# Safety in Biological Laboratories

68 pp + xii ISBN 0904498 05 0

A concise, easily readable guide for workers in Life-Science Laboratories from Anatomy through Biophysics . . . Nutrition . . . Veterinology to Zoology. Emphasis is on SAFETY rather than DANGER, on avoidance of risks, elimination of hazards, and on the need for safety consciousness for the benefit of others as well as the worker's own person. Among topics discussed are radiation, animals, pathogens, carcinogens and other dangerous substances, vacuum distillation, fire and electricity as well as such simple operations as emptying autoclaves and connecting plastic tubing to glass tubing. The booklet is intended for all who work in laboratories, from the newest assistant to the head of department (who may come to realize that some of their standard practices contain avoidable elements of danger). So generous discounts are offered for bulk purchase.

The booklet should help every reader to be more likely to survive and to pass on the message: SAFETY IN BIOLOGICAL LABORATORIES.

#### CONTENTS

Preface

Glossary

Precautions for All Laboratory Workers
By Arthur W. Hartley and Vernon Booth

Electrical Hazards, Fire and Explosion By Edward Hartree

The Role of the Safety Officer By Oliver Phillip Edmonds

The Animal House By Donald W. Jolly

Microbiological Hazards

By Richard D. Barry

Carcinogens, Mutagens, Teratogens
By Donald B. Cater and Edward Hartree

Radiation Hazards
By Philip P. Dendy

Subject Index

Limited stocks available of earlier volumes

## No. 1 BIOCHEMISTRY AND MENTAL ILLNESS Edited by L. L. IVERSEN and S. P. R. ROSE 251 pp. £4.50 (\$12.00)

#### No. 2 BIOCHEMISTS IN INDUSTRY

Edited by K. W. FULLER

58 pp. £1.25 (\$3.50)

## No. 3 THE METABOLISM AND FUNCTION OF VITAMIN D

Edited by D. R. FRASER

114 pp. £4.00 (\$10.50)

## No. 4 MEMBRANE ADENOSINE TRIPHOSPHATASES AND TRANSPORT PROCESSES

Edited by J. R. BRONK

197 pp. £5.00 (\$12.50)

Obtainable from your bookseller or agent, or direct from

## THE BIOCHEMICAL SOCIETY BOOK DEPOT P.O. Box 32, Commerce Way, Colchester CO2 8HP, Essex

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

# Nonsense Mutations and tRNA Suppressors

edited by J. E. Celis and J. D. Smith May 1979, x+350 pp., £16.00 0.12.164550.9

#### From the preface:

'This book is a record of the proceedings of the EMBO Laboratory Course and Aarhus University 50 Years Anniversary Symposium on "Nonsense mutations and tRNA suppressors" held in Aarhus in July 1978. The main aim of the book is to introduce the reader to the field of translational suppression, specifically to nonsense mutations and tRNA suppressors. The book covers classic work on nonsense suppressors in prokaryotes and yeast as well as the latest developments in the search for nonsense mutations and tRNA suppressors in higher eukaryotes. To help the reader the book contains a few general chapters dedicated to tRNA and its role in protein synthesis as well as a compilation of wild type and mutant tRNA sequences.'

# Advances in Microbial Physiology Volume 18

edited by A. H. Rose and J. Gareth Morris May 1979, x+300 pp., £18.60 0.12.027718.2

This series presents critical review articles on all aspects of the physiological and biochemical activities of micro-organisms. Advances in Microbial Physiology, spanning the area between microbiology and biochemistry, is able to deal with subjects of interest in both fields which previously have received little attention from reviewers.

#### Contents of Volume 18

R. H. Garrett and Nancy Klein Amy: Nitrate assimilation in fungi. Paul S. Sypherd, Peter T. Borgia and John L. Paznokas: Biochemistry of dimorphism in the fungus *Mucor*. Michael G. Sargent: Surface extension and the cell cycle in prokaryotes. W. R. Finnerty: Physiology and biochemistry of bacterial phospholipid metabolism. Author index. Subject index.

## Academic Press London New York San Francisco

A Subsidiary of Harcourt Brace Jovanovich, Publishers 24–28 Oval Road, London NW1, England 111 Fifth Avenue, New York, NY 10003, USA Australian Office: PO Box 300, North Ryde, NSW 2113, Australia