INDEXES TO VOLUME 210 (B)

Author index

Acher, R. Molecular evolution of biologically active polypeptides, 21.
Agarwal, K. L. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.
Alger, B. E. See Nicoll, Alger & Jahr.
Anderson, P. A. V. See Bone, Anderson & Pulsford.
Anderson, P. A. V. & Bone, Q. Communication between individuals in salp chains.
Änggård, A. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Änggård and others.

Beug, H. See Hayman, Ramsay, Kitchener, Graf, Beug and others.
Bishop, J. A. Commentary on three papers on clines for melanism and polymorphism in moths, 273.
Bishop, J. A. See also Conroy & Bishop; Murray, Bishop & Macnair.
Bone, Q. See Anderson & Bone.
Brownstein, M. J. Peptidergic pathways in the central nervous system, 79.
Burgen, Sir Arnold. Introductory remarks to a Discussion Meeting on neuroactive peptides, 3.

Callahan, R. See Todaro, Callahan, Rapp & De Larco.
Chan, S. J. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.
Chia, W. See Rigby, Chia, Clayton & Lovett.
Clayton, Christine E. See Rigby, Chia, Clayton & Lovett.
Clements, J. B. See Wilkie, Eglin, Sanders & Clements.
Collett, M. S. See Erikson (R. L.), Collett, Erikson & Puchio.
Conroy, B. A. & Bishop, J. A. Maintenance of the polymorphism for melanism in the moth Phigalia pilosaria in rural north Wales, 285.
Crawford, L. V. Introduction: virus–host interactions, 319.
Crawford, L. V. See also Lane & Crawford.
Crisp, D. J. See Richardson, Crisp & Runham.

De Beuckeleer, M. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.
De Larco, J. E. See Todaro, Callahan, Rapp & De Larco.
Depicker, A. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.
Dilworth, S. M. See Griffin, Dilworth, Ito & Novak.
Dockray, G. J. & Gregory, R. A. Relations between neuropeptides and gut hormones, 151.

[ 575 ]
Eglin, R. P. See Wilkie, Eglin, Sanders & Clements.
Eisenberg, S. The role of gene A and E. coli rep protein in the replication of φX 174 replicative form DNA, 337.
Engler, G. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.

Fitzsimons, J. T. Angiotensin and other peptides in the control of water and sodium intake, 165.
Fredholm, B. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.

Gabbay, K. H. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.
Goldstein, M. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.
Gorenstein, C. & Snyder, S. H. Enkephalinases, 123.
Graf, T. See Hayman, Ramsay, Kitchener, Graf, Beug and others.
Gregory, R. A. See Dockray & Gregory.
Grüneberg, H. On pseudo-polymorphism, 533.

Hamberger, B. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.
Hernalsteens, J. P. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.
Hiorns, R. W. See Winfield, Hiorns & Powell.
Holsters, M. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.
Ito, Y. See Griffin, Dilworth, Ito & Novak.

Jahr, C. E. See Nicoll, Alger & Jahr.
Johansson, O. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.

Kitchener, Gay. See Hayman, Ramsay, Kitchener, Graf, Beug and others.
Author index

Lane, D. P. & Crawford, L. V. The complex between simian virus 40 T antigen and a specific host protein, 451.
Lemmers, M. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.
Lernmark, Å. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.
Lovett, M. See Rigby, Chia, Clayton & Lovett.
Lundberg, J. M. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.

McCants, M. See Wang, Nicol, Thurston & McCants.
Macnair, M. R. See Murray, Bishop & Macnair.
Mani, G. S. A theoretical study of morph ratio clines with special reference to melanism in moths, 299.
Mollon, J. D. See Polden & Mollon.
Murray, N. D., Bishop, J. A. & Macnair, M. R. Melanism and predation by birds in the moths Biston betularia and Phigalia pilosaria, 277.

Nicol, J. A. C. See Wang, Nicol, Thurston & McCants.
Nielsen, D. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.
Novak, Ulrike. See Griffin, Dilworth, Ito & Novak.
Noyes, B. E. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.

Paterson, S. J. See Kosterlitz & Paterson.
Patzelt, C. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.
Pearse, A. G. E. The phylogeny of the common peptides (Chairman’s address), 61.
Pernow, B. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.
Polden, P. G. & Mollon, J. D. Reversed effect of adapting stimuli on visual sensitivity, 235.
Powell, T. P. S. See Winfield, Hiorns & Powell; also Winfield & Powell.
Pulsford, A. See Bone, Anderson & Pulsford.

Quinn, P. S. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.

Ramsay, G. See Hayman, Ramsay, Kitchener, Graf, Beug and others.
Rapp, U. R. See Todaro, Callahan, Rapp & De Larco.
Rehfeld, J. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.
Roussel, Martine. See Hayman, Ramsay, Kitchener, Graf, Beug and others.
Rubenstein, A. H. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.
Runham, N. W. See Richardson, Crisp & Runham.

Sanders, P. G. See Wilkie, Eglin, Sanders & Clements.
Saule, S. See Hayman, Ramsay, Kitchener, Graf, Beug and others.
Schell, J. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.
Schultzberg, M. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.
Schwyzer, R. Structure and function in neuropeptides, 5.
Skirboll, L. See Hökfelt, Lundberg, Schultzberg, Johansson, Skirboll, Ånggård and others.
Snyder, S. H. See Gorenstein & Snyder.
Stehelin, Dominique. See Hayman, Ramsay, Kitchener, Graf, Beug and others.

Tager, H. S. See Steiner, Patzelt, Chan, Quinn, Tager, Nielsen and others.
Thurston, E. L. See Wang, Nicol, Thurston & McCants.


de Wied, D. Behavioural actions of neurohypophyseal peptides, 183.
Willmitzer, L. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.
Winfield, D. A., Hiorns, R. W. & Powell, T. P. S. A quantitative electron-microscopical study of the postnatal development of the lateral geniculate nucleus in normal kittens and in kittens with eyelid suture, 211.
Winfield, D. A. & Powell, T. P. S. An electron-microscopical study of the postnatal development of the lateral geniculate nucleus in the normal kitten and after eyelid suture, 197.

Zambryski, P. See Van Montagu, Holsters, Zambryski, Hernalsteens, Depicker and others.
Subject index

Clines in Biston betularia and Phigalia pilosaria, 277.
Colour vision, 235.
Complement system, 477.
Complex proteases, 477.

Development of the lateral geniculate nucleus of the cat, 197, 211.
Discussion on interactions between virus and host molecules; for detailed contents see p. 317.
Discussion on neuroactive peptides; for detailed contents see pp. 1 and 2.

Electron microscopical study of the development of the cat lateral geniculate nucleus. 197, 211.

Maintenance of polymorphism, 285.
Melanism, 273.
Morphology of salp chain communication, 549.

Neuroactive peptides, Discussion, for detailed contents see pp. 1 and 2.

Phigalia pilosaria, 285.
Physiology of salp chain communication, 539.
Polymorphism, 273.
Predators of moths, 277.
Priacanthus, 499.
Pseudo-polymorphism in marine snails, 533

Salp chain morphology, 549.
Salp chain physiology, 559.

Tapetum lucidum, 499.
Theoretical study of clines, 299.
Theoretical study of morph ratio clines, 299.
Tidal bands in the shell of Cerastoderma, 513.

Umbonium and Clithon (Gastropoda), pseudo-polymorphism in, 533.

Virus–host interactions, Discussion; for detailed contents see p. 317.
Vision, 235.

END OF THE TWO HUNDRED AND TENTH VOLUME (SERIES B)
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These notes are concerned with the practical details of preparing a paper for submission to the *Philosophical Transactions* or *Proceedings of the Royal Society*. They deal not with any of the fundamental aspects of the writing of scientific papers (for a discussion of which authors are advised to study the Unesco *Guide for the preparation of scientific papers for publication* (SC/MD/5, August 1968)) but with the Society's particular requirements, observance of which will assist expeditious and attractive publication. New authors should familiarize themselves with the standard requirements of publishers; relevant information is contained in *General notes on the preparation of scientific papers* (3rd ed. 1974, the Royal Society, £0.45).

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| left ord | pressure, \( p/\text{MPa} \) |
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| abs | time, \( t/\text{ms} \) |

**Figure 1.** The course of oxidation of 2-methylpentane at 2.0 MPa and 800 K.

(a) Non-sampling run: curve 1, pressure; curve 2, light transmission at 265 nm. Point A is the end of compression, B is the cool-flame reaction and C the hot ignition. (b) Sampling run: curve 1, pressure; curve 2, light transmission at 265 nm.

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CONTENTS

PREFACE
Sir Harrie Massey, Sec.R.S. and W. H. McCrea, F.R.S.

NICOLAIUS COPERNICUS (1473 to 1543)
J. R. Ravetz

SOME ASPECTS OF THE PHYSICS OF THE MOON
S. K. Runcorn, F.R.S.

MARS AND VENUS
R. M. Goody

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R. Hide, F.R.S.

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CONTENTS

PORTER, R. R. 

The Croonian Lecture, 1980. The complex proteases of the complement system

WANG, R. T., NICOL, J. A. C., THURSTON, E. L. & MCCANTS, M. 

Studies on the eyes of bigeyes (Teleostei Priacanthidae) with special reference to the tapetum lucidum. [Plates 1–3]

RICHARDSON, C. A., CRISP, D. J. & RUNHAM, N. W. 

Factors influencing shell growth in Cerastoderma edule. [Plate 1]

GRÜNEBERG, H. 

On pseudo-polymorphism. [Plates 1–4]

BONE, Q., ANDERSON, P. A. V. & PULSFORD, A. 

The communication between individuals in salp chains. I. Morphology of the system. [Plates 1–3]

ANDERSON, P. A. V. & BONE, Q. 

Communication between individuals in salp chains. II. Physiology

INDEXES

Instructions to Authors

* * *

VOLUME TITLE PAGE AND CONTENTS

Published by the Royal Society, 6 Carlton House Terrace, London SW1Y 5AG

Printed in Great Britain

for the Royal Society at the University Press, Cambridge