

CONTENTS OF VOLUME 117, No. 5, 1970

	PAGE		PAGE
Some recent work on the interactions of oxygen, carbon dioxide and haemoglobin. The seventh Hopkins Memorial Lecture. By F. J. W. Roughton	801	Aspects of the stereochemistry of torularhodin biosynthesis. By R. E. Tefft, T. W. Goodwin and K. L. Simpson	921
The glycosaminoglycans of neonatal rat skin. By T. E. Hardingham and C. F. Phelps	813	The pathway of glycollate utilization in <i>Chlorella pyrenoidosa</i> . By J. M. Lord and M. J. Merrett	929
Chemistry of the collagen cross-links. Isolation and characterization of two intermediate intermolecular cross-links in collagen. By A. J. Bailey, C. M. Peach and L. J. Fowler	819	Studies on mammalian glucoamylases with special reference to monkey intestinal glucoamylase. By B. Seetharam, N. Swaminathan and A. N. Radhakrishnan	939
The metabolism <i>in vitro</i> and hepatic microsomal interactions of some enantiomeric drug substrates. By D. S. Hewick and J. R. Fouts	833	The enzymic oxidation of glutathione in rat liver homogenates. By P. C. Jocelyn	947
Proteolytic enzymes of <i>Saccharomyces carlsbergensis</i> . By I. S. Maddox and J. S. Hough	843	The function of subcellular fractions in the oxidation of glutathione in rat liver homogenate. By P. C. Jocelyn	951
Rates of aminoacyl-transfer-ribonucleic acid synthesis <i>in vivo</i> and <i>in vitro</i> by bean leaves. By T. C. Hall and K. L. Tao	853	Free and protein-bound glutathione in normal and cataractous human lenses. By J. J. Harding	957
Intracellular localization of enzymes in white-adipose-tissue fat-cells and permeability properties of fat-cell mitochondria. Transfer of acetyl units and reducing power between mitochondria and cytoplasm. By B. R. Martin and R. M. Denton	861	Mescaline-induced changes of brain-cortex ribosomes. Effect of mescaline on the stability of brain-cortex ribosomes. By R. K. Datta and J. J. Ghosh	961
The use of equilibrium-density-gradient methods for the preparation and characterization of blood-group-specific glycoproteins. By J. M. Creeth and M. A. Denborough	879	Mescaline-induced changes of brain-cortex ribosomes. Effect of mescaline on the hydrogen-bonded structure of ribonucleic acid of brain-cortex ribosomes. By R. K. Datta and J. J. Ghosh	969
Effect of sedimentation through sucrose solutions on the protein-synthesizing ability of rat liver microsomes. By R. A. Leslie and J. N. Mansbridge	893	Studies of the bulbo-urethral (Cowper's)-gland mucin and seminal gel of the boar. By J. C. Bournsnel, E. F. Hartree and P. A. Briggs	981
Binding and translation of turnip-yellow-mosaic-virus ribonucleic acid by skeletal-muscle ribosomes from normal and diabetic rats. By F. S. Rolleston, I. G. Wool and T. E. Martin	899	The inhibition of 1,1,1-trichloro-2,2-bis-(<i>p</i> -chlorophenyl)ethane (DDT) dehydrochlorinase and glutathione <i>S</i> -aryltransferase in grass-grub and housefly preparations. By S. Balabaskaran and J. N. Smith	989
A rapid and direct method for the quantitative determination of tryptophan in the intact protein. By M. K. Gaitonde and T. Dovey	907	Reversible inhibition in bimolecular rapid-equilibrium random-order enzyme systems. The effect of substrate-substrate and inhibitor-substrate interactions. By A. G. Clark	997
The isolation by isopycnic density-gradient centrifugation of two mitochondrial populations from livers of embryonic and fed and starved adult rats. By J. K. Pollak and E. A. Munn	913	The separation of multiple forms of housefly 1,1,1-trichloro-2,2-bis-(<i>p</i> -chlorophenyl)ethane (DDT) dehydrochlorinase from glutathione <i>S</i> -aryltransferase by electrofocusing and electrophoresis. By B. Goodchild and J. N. Smith	1005

SHORT COMMUNICATIONS		PAGE
The isolation of dicyclohexylcarbodi-imide-binding proteins from mitochondrial membranes. By K. J. Cattell, I. G. Knight, C. R. Lindop and R. B. Beechey	1011	The activities of proline dehydrogenase, glutamate dehydrogenase, aspartate-oxoglutarate aminotransferase and alanine-oxoglutarate aminotransferase in some insect flight muscles. By B. Crabtree and E. A. Newsholme 1019
The biosynthesis of <i>cis</i> -4-hydroxy-L-proline in sandal (<i>Santalum album</i> L.) By R. Kuttan and A. N. Radhakrishnan	1015	Pyruvate-supported nitrogen fixation by cell-free extracts of <i>Bacillus polymyxa</i> . By R. J. Fisher and P. W. Wilson 1023

INDEX TO AUTHORS

	PAGE		PAGE
Bailey, A. J.	819	Knight, I. G.	1011
Balabaskaran, S.	989	Kuttan, R.	1015
Beechey, R. B.	1011	Leslie, R. A.	893
Bournnell, J. C.	981	Lindop, C. R.	1011
Briggs, P. A.	981	Lord, J. M.	929
Cattell, K. J.	1011	Maddox, I. S.	843
Clark, A. G.	997	Mansbridge, J. N.	893
Crabtree, B.	1019	Martin, B. R.	861
Creeth, J. M.	879	Martin, T. E.	899
Datta, R. K.	961, 969	Merrett, M. J.	929
Denborough, M. A.	879	Munn, E. A.	913
Denton, R. M.	861	Newsholme, E. A.	1019
Dovey, T.	907	Peach, C. M.	819
Fisher, R. J.	1023	Phelps, C. F.	813
Fouts, J. R.	833	Pollak, J. K.	913
Fowler, L. J.	819	Radhakrishnan, A. N.	939, 1015
Gaitonde, M. K.	907	Rolleston, F. S.	899
Ghosh, J. J.	961, 969	Roughton, F. J. W.	801
Goodchild, B.	1005	Seetharam, B.	939
Goodwin, T. W.	921	Simpson, K. L.	921
Hall, T. C.	853	Smith, J. N.	989, 1005
Harding, J. J.	957	Swaminathan, N.	939
Hardingham, T. E.	813	Tao, K. L.	853
Hartree, E. F.	981	Tefft, R. E.	921
Hewick, D. S.	833	Wilson, P. W.	1023
Hough, J. S.	843	Wool, I. G.	899
Jocelyn, P. C.	947, 951		