

## CONTENTS OF VOLUME 109, No. 5, 1968

	PAGE		PAGE
Synthesis in the study of nucleic acids. The Fourth Jubilee Lecture. By <b>H. G. Khorana</b> . . . . .	709	Clearing-factor lipase in adipose tissue. A possible role of adenosine 3',5'-(cyclic)-monophosphate in the regulation of its activity. By <b>D. R. Wing</b> and <b>D. S. Robinson</b> . . . . .	841
Some metabolites of 1-bromobutane in the rabbit and the rat. By <b>S. P. James, D. A. Jeffery, R. H. Waring</b> and <b>P. B. Wood</b> . . . . .	727	Species differences in the metabolism of sulphadimethoxine. By <b>J. W. Bridges, M. R. Kibby, S. R. Walker</b> and <b>R. T. Williams</b> . . . . .	851
The effect of anti-insulin serum and alloxan-diabetes on the distribution and multiple forms of hexokinase in lactating rat mammary gland. By <b>E. Walters</b> and <b>P. McLean</b> . . . . .	737	The effect of chondroitin sulphate-protein on the formation of collagen fibrils <i>in vitro</i> . By <b>B. P. Toole</b> and <b>D. A. Lowther</b> . . . . .	857
The isolation and characterization of 3-phosphoglycerate dehydrogenase from peas. By <b>J. C. Slaughter</b> and <b>D. D. Davies</b> . . . . .	743	Changes in the concentrations of some phosphorylated intermediates and stimulation of glycolysis in liver slices. By <b>G. Gaja, G. Ragnotti, F. Cajone</b> and <b>A. Bernelli-Zazzera</b> . . . . .	867
Inhibition of 3-phosphoglycerate dehydrogenase by L-serine. By <b>J. C. Slaughter</b> and <b>D. D. Davies</b> . . . . .	749	The characterization and distribution of hexahydropolyprenyl esters in cultures of <i>Aspergillus fumigatus</i> Fresenius. By <b>K. J. Stone</b> and <b>F. W. Hemming</b> . . . . .	877
The action of paraquat and diquat on the respiration of liver cell fractions. By <b>J. C. Gage</b> . . . . .	757	The isolation and characterization of a glycoprotein from human thoracic aorta. By <b>M. J. Barnes</b> and <b>S. M. Partridge</b> . . . . .	883
Properties of some reductase enzymes in the nitrifying bacteria and their relationship to the oxidase systems. By <b>W. Wallace</b> and <b>D. J. D. Nicholas</b> . . . . .	763	Propionate assimilation in the flagellate <i>Polytomella caeca</i> . An inducible mitochondrial enzyme system. By <b>D. Lloyd, D. A. Evans</b> and <b>S. E. Venables</b> . . . . .	897
Stimulation of liver cholesterol synthesis by actinomycin D. By <b>F. de Matteis</b> . . . . .	775	The displacement of calcium ions from phospholipid monolayers by pharmacologically active and other organic bases. By <b>H. Hauser</b> and <b>R. M. C. Dawson</b> . . . . .	909
Hydrolysis of <sup>125</sup> I-labelled thyroglobulin by pancreatin, Pronase and pepsin. By <b>P. G. Malan</b> . . . . .	787	The binding of <i>o</i> -aminoazotoluene to deoxyribonucleic acid, ribonucleic acid and protein in the C57 mouse. By <b>T. A. Lawson</b> . . . . .	917
Sporulation in <i>Bacillus subtilis</i> . The role of exoprotease. By <b>J. Mandelstam</b> and <b>W. M. Waites</b> . . . . .	793	Factors affecting the translocation of oxaloacetate and L-malate into rat liver mitochondria. By <b>J. M. Haslam</b> and <b>D. E. Griffiths</b> . . . . .	921
Sporulation in <i>Bacillus subtilis</i> . Antigenic changes during spore formation. By <b>W. M. Waites</b> . . . . .	803	<b>SHORT COMMUNICATIONS</b>	
Sporulation in <i>Bacillus subtilis</i> . Biochemical changes. By <b>S. C. Warren</b> . . . . .	811	Leaf extract purification by silver nitrate/silica gel thin-layer chromatography. By <b>J. A. Zabkiewicz, R. A. B. Keates</b> and <b>C. J. W. Brooks</b> . . . . .	929
Sporulation in <i>Bacillus subtilis</i> . Morphological changes. By <b>D. Kay</b> and <b>S. C. Warren</b> . . . . .	819	The biosynthesis of tetrahymanol <i>in vitro</i> . By <b>E. Caspi, J. B. Greig</b> and <b>J. M. Zander</b> . . . . .	931
The binding of sodium dodecyl sulphate to various proteins. By <b>R. Pitt-Rivers</b> and <b>F. S. A. Impiombato</b> . . . . .	825		
Radioimmunoassay for ovine, caprine and bovine prolactin in plasma and tissue extracts. By <b>G. D. Bryant</b> and <b>F. C. Greenwood</b> . . . . .	831		