

CONTENTS OF VOLUME 45, No. 5, 1949

(All rights reserved)

A limited number of separates of these papers are available. Orders must be addressed to Biochemical Journal, Postgraduate Medical School of London, Ducane Road, London, W. 12, and must be accompanied by a remittance of 1s. 6d. for each copy.

	PAGE
The potato eelworm hatching factor. 1. The preparation of concentrates of the hatching factor and a method of bioassay. By C. T. CALAM, H. RAISTRICK and A. R. TODD. (With Plates 4 and 5 and one figure)	513
The potato eelworm hatching factor. 2. Purification of the factor by alkaloid salt fractionation. Anhydro-tetronic acid as an artificial hatching agent. By C. T. CALAM, A. R. TODD and W. S. WARING	520
The potato eelworm hatching factor. 3. Concentration of the factor by chromatography. Observations on the nature of eclepic acid. By D. H. MARRIAN, P. B. RUSSELL, A. R. TODD and W. S. WARING	524
The potato eelworm hatching factor. 4. <i>Solanum nigrum</i> as a source of the potato eelworm hatching factor. By P. B. RUSSELL, A. R. TODD and W. S. WARING	528
The potato eelworm hatching factor. 5. Attempts to prepare artificial hatching agents. Part I. Some furan derivatives. By P. B. RUSSELL, A. R. TODD and W. S. WARING	530
The potato eelworm hatching factor. 6. Attempts to prepare artificial hatching agents. Part II. Some active arylidene- $\Delta^{\beta:\gamma}$ -butenolides and related compounds. By D. H. MARRIAN, P. B. RUSSELL and A. R. TODD	533
The fermentation process in tea manufacture. 10. The condensation of catechins and its relation to the chemical changes in fermentation. By E. A. H. ROBERTS	538
The deamination of glycine by α -radiation from the disintegration of boron in a nuclear reactor. By W. M. DALE, J. V. DAVIES and C. W. GILBERT	543
Observations on antisera against complexes of di-2-chloroethyl sulphide and protein. By D. S. FLEMING, A. M. MOORE and G. C. BUTLER	546
Investigations into cholinesterase levels in serum and cerebrospinal fluid of psychotic patients. By D. F. EARLY, R. E. HEMPHILL, M. REISS and E. BRUMMEL	552
Amino-acid decarboxylases of rat liver. By G. H. SLOANE-STANLEY	556
Methods for the determination of <i>N</i> -methyl-2-pyridone-5-carboxylamide and of <i>N</i> -methyl-2-pyridone-3-carboxylamide in human urine. By W. I. M. HOLMAN and D. J. DE LANGE. (With one figure)	559
The terminal peptides of insulin. By F. SANGER. (With three figures)	563
Regulation of urinary steroid excretion. 2. Spontaneous changes in the pattern of daily excretion in mental patients. By M. REISS, R. E. HEMPHILL, J. J. GORDON and E. R. COOK. (With five figures)	574
Optical rotation of the molybdate complex of <i>dextro</i> -isocitric acid. By L. V. EGGLESTON and H. A. KREBS	578
The use of buffered columns in the chromatographic separation of 2:4-dinitrophenyl amino-acids. By S. BLACKBURN	579
The mechanism of the action of notatin. By R. BENTLEY and A. NEUBERGER. (With two figures)	584
An apparatus for the micro-electrolysis of water. By R. BENTLEY. (With one figure)	591
Growth factors for <i>Corynebacterium diphtheriae</i> . 4. Preparation from yeast. By F. W. CHATTAWAY, D. E. DOLBY, D. A. HALL and F. C. HAPPOLD. (With one figure)	592
A new manometric method for determination of respiratory quotients. By H. LASER and LORD ROTHSCHILD. (With five figures)	598
Carotenoids, vitamin A and 7-dehydrosteroid in the frog (<i>Rana temporaria</i>). By R. A. MORTON and D. G. ROSEN. (With fifteen figures)	612
A histological method for the biological estimation of vitamin A. By W. H. K. COETZEE. (With Plates 6 and 7 and two figures)	628
Studies in detoxication. 28. The biosynthesis of <i>o</i> -, <i>m</i> - and <i>p</i> -cyanophenylglucuronides. By J. N. SMITH	638

CONTENTS

Proceedings of the Biochemical Society

	PAGE
Preformed vitamin A in northern krill. By S. K. KON and S. Y. THOMPSON	xxxii
Naturally occurring organo-silicon compounds. By P. F. HOLT and D. M. YATES	xxxii
The quantitative analysis of ribonucleic acids. By R. MARKHAM and J. D. SMITH	xxxii
The absorption of vitamin A. By E. EDEN and K. C. SELLERS	xxxiii
Further studies of the biogenesis of porphyrins in rabbits. By H. M. MUIR and A. NEUBERGER	xxxiv
A modified chemical estimation of nicotinic acid. By D. E. HUGHES	xxxiv
An improved medium for microbiological assays with <i>Lactobacillus casei</i> . By E. KODICEK and S. P. MISTRY	xxxv
Cozymase synthesis by <i>Lactobacillus arabinosus</i> 17-5. By D. E. HUGHES and D. H. WILLIAMSON	xxxvi
Inactivation of serum alkaline phosphatase by adrenaline and related substances. By A. B. ANDERSON	xxxvi
The inhibition of plant phosphorylases by β -amylase and the detection of phosphorylase in barley. By H. K. PORTER	xxxvii

INDEX OF AUTHORS

PAGE	PAGE
Anderson, A. B.	xxxvi
Bentley, R.	584, 591
Blackburn, S.	579
Brummel, E.	552
Butler, G. C.	546
Calam, C. T.	513, 520
Chattaway, F. W.	592
Coetzee, W. H. K.	628
Cook, E. R.	574
Dale, W. M.	543
Davies, J. V.	543
Dolby, D. E.	592
Early, D. F.	552
Eden, E.	xxxiii
Eggleston, L. V.	578
Fleming, D. S.	546
Gilbert, C. W.	543
Gordon, J. J.	574
Hall, D. A.	592
Happold, F. C.	592
Hemphill, R. E.	552, 574
Holman, W. I. M.	559
Holt, P. F.	xxxii
Hughes, D. E.	xxxiv, xxxvi
Kodicek, E.	xxxv
Kon, S. K.	xxxii
Krebs, H. A.	578
Lange, D. J. de	559
Laser, H.	598
Markham, R.	xxxii
Marrian, D. H.	524, 533
Mistry, S. P.	xxxv
Moore, A. M.	546
Morton, R. A.	612
Muir, H. M.	xxxiv
Neuberger, A.	584, xxxiv
Porter, H. K.	xxxvii
Raistrick, H.	513
Reiss, M.	552, 574
Roberts, E. A. H.	538
Rosen, D. G.	612
Rothschild, Lord	598
Russell, P. B.	524, 528, 530, 533
Sanger, F.	563
Sellers, K. C.	xxxiii
Sloane-Stanley, G. H.	556
Smith, J. D.	xxxii
Smith, J. N.	638
Thompson, S. Y.	xxxii
Todd, A. R.	513, 520, 524, 528, 530, 533
Waring, W. S.	520, 524, 528, 530
Williamson, D. H.	xxxvi
Yates, D. M.	xxxii