

INDEX OF AUTHORS

Addison, J. M.	95	Evans, E.	33	Robinson, M. F.	45
Beamer, K. C.	73	Hansen, J. D. L.	55	Rolls, B. A.	1
Becker, D. J.	55	Helle, T.	63	Silk, D. B. A.	95
Ben-Ghedalia, D.	87	Hurrell, R. F.	101	Stewart, R. D. H.	45
Bondi, A.	87	Hyvärinen, H.	63	Tagari, H.	87
Buchanan-Smith, J. G.	33	Krause, R. F.	73	Thompson, C. D.	45
Burston, D.	95	McCormick, A. M.	73	Tryfiates, G. P.	73
Canterbury, R. J.	73	Mann, M. D.	55	Väyrynen, P.	63
Carpenter, K. J.	101	Marrs, T. C.	95	Väyrynen, R.	63
Clark, M. L.	95	Matthews, D. M.	95	Williams, V. J.	17
Clegg, K. M.	95	Pimstone, B. L.	55	Zamwel, S.	87
Cripps, A. W.	17				
Drummond, T.	11				

FORTHCOMING PAPERS

The next issue of the *British Journal of Nutrition* will appear in March 1975. It is hoped to publish in it the following papers:

CLINICAL AND HUMAN NUTRITION

Anthropometric measurements and amounts of body fat and serum cholesterol in samples of three Nigerian populations. By R. S. WATSON and K. M. ETTA

GENERAL NUTRITION

The effect of raw soya bean on *in vitro* active and passive accumulation by rat small intestine. By H. O. POPE, J. R. PATTEN and A. L. LAWRENCE

Maintenance requirements for energy in cross-bred cattle. By B. R. PATLE and V. D. MUDGAL

Concentrations of amino acids and urea in the plasma of the preruminant calf and estimation of the amino acid requirements. By A. P. WILLIAMS and R. H. SMITH

The effect of pelleting on the voluntary intake and digestibility of leaf and stem fractions of three grasses. By M. A. LAREDO and D. J. MINSON

The response of hind-limb muscles of the weanling rat to undernutrition and subsequent rehabilitation. By J. W. T. DICKERSON and P. A. McANULTY

Concurrent studies of the flow of digesta in the duodenum and of exocrine pancreatic secretion of calves. 3. Further studies on the addition of fat to skim milk and the use of non-milk proteins in milk-substitute diets. By J. H. TERNOUTH, J. H. B. ROY, S. Y. THOMPSON, JOYCE TOOTHILL, CATHERINE M. GILLIES and J. D. EDWARDS-WEBB

The digestion of bulbils (*Polygonum viviparum* L.) and berries (*Vaccinium myrtillus* L. and *Empetrum* sp.) by captive ptarmigan (*Lagopus mutus*). By R. MOSS and J. A. PARKINSON

Acute cold exposure and the metabolism of blood glucose, lactate and pyruvate, and plasma amino acids in the hind leg of the fed and fasted young ox. By A. W. BELL, J. W. GARDNER, W. MANSON and G. E. THOMPSON

Studies on the nutrition of marine flatfish. The metabolism of glucose by plaice (*Pleuronectes platessa*) and the effect of dietary energy source on protein utilization in plaice. By C. B. COWEY, J. W. ADRON, D. A. BROWN and AILEEN M. SHANKS

Twelve generations of marginal protein deficiency. By R. J. C. STEWART, R. F. PREECE and HILDA G. SHEPPARD

Nutritional studies on East African herbivores. 1. Digestibilities of dry matter, crude fibre and crude protein in antelope, cattle and sheep. By PAMELA ARMAN and D. HOPCRAFT

Nutritional studies on East African herbivores. 2. Losses of nitrogen in the faeces. By PAMELA ARMAN, D. HOPCRAFT and I. McDONALD

Effect of feeding pattern on the energy metabolism of rats given low-protein diets. By K. J. MCCrackEN

The effect of dietary lipids on lipolysis in rat adipose tissue. By P. W. LARKING and E. R. NYE

The British Journal of Nutrition

Volume 33 No. 1 January 1975

CONTENTS

CLINICAL AND HUMAN NUTRITION

- Potassium supplementation, serum immunoreactive insulin concentrations and glucose tolerance in protein-energy malnutrition. By M. D. MANN, DOROTHY J. BECKER, B. L. PIMSTONE and J. D. L. HANSEN 55-61
- Jejunal absorption of an amino acid mixture simulating casein and an enzymic hydrolysate of casein prepared for oral administration to normal adults. By D. B. A. SILK, M. L. CLARK, T. C. MARRS, JILL M. ADDISON, D. BURSTON, D. M. MATTHEWS and K. MARY CLEGG 95-100

GENERAL NUTRITION

- Dipeptidase activity in the small intestinal mucosa during pregnancy and lactation in the rat. By B. A. ROLLS 1-9
- Immunohistochemical detection of changes in growth hormone cells in rat pituitaries in protein deficiency. By THERESE DRUMMOND 11-15
- The effect of pregnancy and lactation on food intake, gastrointestinal anatomy and the absorptive capacity of the small intestine in the albino rat. By A. W. CRIPPS and V. J. WILLIAMS 17-32
- Effects upon glucose metabolism of feeding a low- or high-roughage diet at two levels of intake to sheep. By ESSI EVANS and J. G. BUCHANAN-SMITH 33-44
- Metabolic studies in rats of [⁷⁵Se]selenomethionine and of ⁷⁵Se incorporated in vivo into rabbit kidney. By CHRISTINE D. THOMSON, R. D. H. STEWART and MARION F. ROBINSON 45-54
- Seasonal and nutritional effects on serum proteins and urea concentration in the reindeer (*Rangifer tarandus tarandus* L.). By H. HYVÄRINEN, T. HELLE, R. VÄYRYNEN and P. VÄYRYNEN 63-72
- The effect of retinol and retinoic acid on physiological and biochemical changes in retinol-deficient rats. By R. F. KRAUSE, K. C. BEAMER, A. M. MCCORMICK, R. J. CANTERBURY and G. P. TRYFIATES 73-85
- Solubility and net exchange of calcium, magnesium and phosphorus in digesta flowing along the gut of the sheep. By D. BEN-GHEDALIA, H. TAGARI, S. ZAMWEL and A. BONDI 87-94
- The use of three dye-binding procedures for the assessment of heat damage to food proteins. By R. F. HURRELL and K. J. CARPENTER 101-115

© The Nutrition Society, 1975

For Index of Authors see inside back cover

CAMBRIDGE UNIVERSITY PRESS

Bentley House, 200 Euston Road, London NW1 2DB

American Branch: 32 East 57th Street, New York, N.Y.10022

Single parts £6.00 net in U.K. (US \$18.00 in U.S.A. and Canada)

1975 subscription price £28.00 net in U.K. (US \$84.00 in U.S.A. and Canada)

Printed in Great Britain at the University Printing House, Cambridge