

INDEX OF AUTHORS

Abe, M.	197	Gupta, M.	151	Oksanen, A.	293
Agarwal, K. N.	151	Iriki, T.	197	Paterson, F. M.	221
Andrieux-Domont, C.	203	Anwar Hussain, M.	211	Person, S. J.	245
Ashworth, A.	269	Judson, G. J.	159, 175	Pilstrom, L.	297, 307
Breckenridge, G.	317	Kiessling, K.-H.	297, 307	Poukka Evarts, R.	293
Bremner, I.	229	Kumeno, F.	197	Rutishauser, I. H. E.	261
Cameron, R. D.	245	Leng, R. A.	159, 175	Shibui, H.	197
Cawson, R. A.	221	Le Van Hung	203	Smith, R. H.	331
Czerkawski, J. W.	317	Luick, J. R.	245	Walker, R. B.	269
Dalgarno, A. C.	229	McAllan, A. B.	331	Waterlow, J. C.	269
Fellenius, E.	297, 307	Milner, P. F.	269	Webster, A. J. F.	279
Frood, J. D. L.	261	Nisbeth, U.	307	White, F.	279
Grenby, T. H.	221			White, R. G.	245

FORTHCOMING PAPERS

The next issue of the British Journal of Nutrition will appear in May 1973. It is hoped to publish in it the following papers:

CLINICAL AND HUMAN NUTRITION

Increased glycine absorption rate associated with acute bacterial infections in man. By G. C. COOK

Changes in the pattern of serum amino acids during the development of kwashiorkor and their relationship to hormonal balance. By P. G. LUNN, R. G. WHITEHEAD, R. W. WAY and B. A. BAKER

GENERAL NUTRITION

Utilisation of volatile fatty acids and glucose for protein deposition in lambs. By B. ESKELAND, W. F. PFANDER and R. L. PRESTON

Changes in some physical characteristics of the digesta in the reticulorumen of cows fed daily. By E. W. EVANS, G. R. PEARCE, J. BURNETT, and SUSAN L. PILLINGER

A comparison of fractions prepared from navy beans (*Phaseolus vulgaris*) in diets for germ-free and conventional chicks. By D. HEWITT, MARIE E. COATES, M. L. KARADE and I. E. LIENER

The effect of litter size upon foetal growth rate and the placental transfer of calcium and phosphorus in superovulated Scottish half-bred ewes. By E. R. TWARDOCK, H. W. SYMONDS, B. F. SANSOM and G. J. ROWLANDS

Relative retentions of the nitrogen of urea and groundnut in isocaloric diets for growing heifers. By J. A. BINES and C. C. BALCH

In vitro degradation of nucleic acid derivatives by rumen bacteria. By A. B. McALLAN and R. H. SMITH

Concurrent studies of the flow of digesta in the duodenum and of exocrine pancreatic secretion of calves. By J. H. TERNOUTH and H. L. BUTTLE

Artificial rearing of pigs. 4. The replacement of butterfat in a whole milk diet by either beef tallow, coconut oil or soya-bean oil. By R. BRAUDE and M. J. NEWPORT

The British Journal of Nutrition

Volume 29 No. 2 March 1973

CONTENTS

CLINICAL AND HUMAN NUTRITION

- Free amino acid patterns of plasma, erythrocytes and leucocytes in hypoproteinaemia. By MEERA GUPTA and K. N. AGARWAL 151-157
- A fresh look at the incidence of protein deficiency in Pakistan. By M. ANWAR HUSSAIN 211-219
- The effect of a traditional low-fat diet on energy and protein intake, serum albumin concentration and body-weight in Ugandan preschool children. By INGRID H. E. RUTISHAUSER and J. D. L. FROOD 261-268
- Absorption of iron from maize (*Zea mays* L.) and soya beans (*Glycine hispida* MAX.) in Jamaican infants. By ANN ASHWORTH, P. F. MILNER, J. C. WATERLOW and R. B. WALKER 269-278

GENERAL NUTRITION

- Studies on the control of gluconeogenesis in sheep: effect of glucose infusion. By G. J. JUDSON and R. A. LENG 159-174
- Studies on the control of gluconeogenesis in sheep: effect of propionate, casein and butyrate infusions. By G. J. JUDSON and R. A. LENG 175-195
- Relation between diet and protozoal population in the rumen. By M. ABE, H. SHIBUI, T. IRIKI and F. KUMENO 197-202
- Effects of magnesium deficiency on reproduction in the white rat. By C. ANDRIEUX-DOMONT and LE VAN HUNG 203-210
- Dental caries and plaque formation from diets containing sucrose or glucose in gnotobiotic rats infected with *Streptococcus* strain IB-1600. 221-228
- Iron metabolism in the veal calf. The availability of different iron compounds. By I. BREMNER and A. C. DELGARNO 229-243
- Seasonal variations in glucose metabolism of reindeer (*Rangifer tarandus* L.) estimated with [$U-^{14}C$]glucose and [$3-^3H$]glucose. By J. R. LUICK, S. J. PERSON, R. D. CAMERON and R. G. WHITE 245-259
- Portal blood flow and heat production in the digestive tract of sheep. By A. J. F. WEBSTER and F. WHITE 279-292
- Phospholipids in artificially induced muscular dystrophy of calves. By RITVA POUKKA EVARTS and AILI OKSANEN 293-296
- The use of a semi-synthetic liquid diet for the supply of ethanol to rats and its effect on lysosomal enzyme activities in the liver. By L. PILSTRÖM, E. FELLENIUS and K.-H. KIESSLING. 297-306
- Changes in the activity of citrate lyase, malic enzyme and acetyl-CoA synthetase in rat liver after short-term and long-term feeding with ethanol. By E. FELLENIUS, U. NISBETH, L. PILSTRÖM and K.-H. KIESSLING 307-316
- Dissimilation of 1,2-propanediol by rumen micro-organisms. By J. W. CZERKAWSKI and GRACE BRECKENBRIDGE 317-330
- Degradation of nucleic acids in the rumen. By A. B. McALLAN and R. H. SMITH 331-345

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 £4.00 net in U.K. (\$12.00 in U.S.A.)
Subscription price £18.00 net in U.K. (\$60.00 in U.S.A.)

Printed in Great Britain at the University Printing House, Cambridge