

## INDEX OF AUTHORS

Agbedana, E. O.	489	Hilton, J. W.	597	Oladunni Taylor, G.	489
Åkesson, B.	505	Ince, B. W.	615	Olpin, S. E.	577, 589
Asp, N.-G.	357	Jackson, A. A.	391	Ørskov, E. R.	547, 625
Atkinson, J. L.	597	Jägerstad, M.	505	Rahiman, M. A.	445
Bacon, J. A.	367	Jahoor, F.	391	Rothwell, N. J.	461
Balakrishna Murthy, P.	445	Johnson, A. O. K.	489	Schippers, F. A.	451
Bates, C. J.	577, 589	Johnston, M. H.	367	Seetharam Bhat, K.	483
Bedi, K. S.	417, 433, 439	Jones, B.	537	Sjöberg, S.	537
Bender, D. A.	609	Kellaway, R. C.	553	Smart, J. L.	417, 433, 439
Bingham, S.	399, 407	Kennedy, P. M.	521	Smith, J. S.	637
Birzgalis, A. R.	417	Långström, B.	537	Sriskandarajah, N.	553
Boyle, F. T.	565	Larsson, B.	537	Stålnacke, C.-G.	537
Bunton, N. G.	381	Leibholz, J.	553	Stanier, G.	565
Buss, D. H.	381	Lone, K. P.	615	Strenram, U.	505
Campbell, A.	473	Lundqvist, H.	537	Stirton, R. A.	547
Carnie, J. A.	653	MacLeod, N. A.	547, 625	Stock, M. J.	461
Christopherson, R. J.	521	McNeil, N. I.	399, 407	Tagoe, C. E.	609
Cole, T. J.	407	MacRae, J. C.	637	Tulpule, P. G.	445
Connolly, E.	653	Mahon, M.	417, 433	Vale, J. A.	609
Corrigan, W.	547	Malmberg, P.	537	Van Dokkum, W.	451
Cummings, J. H.	399, 407	Matty, A. J.	615	Wareham, A. C.	417, 433
Cunnane, S. C.	495	Milligan, L. P.	521	Weinsier, R. L.	367
Currie, L.	473	Morita, A.	645	Wenlock, R. W.	381
Davies, A.	565	Morrissey, R. D.	653	Wesstra, A.	451
Doleys, D. M.	367	Moxon, R. E.	381	White, F.	637
Evans, R. M.	473	Nakano, K.	645		
Fehling, C.	505	Nwaonu, H. N.	565		
Grant, A. M.	407	Nyman, M.	357		

continued from back cover

SRISKANDARAJAH N., KELLAWAY R. C. & LEIBHOLZ JANE. Utilization of low-quality roughages; effects of supplementing with casein treated or untreated with formaldehyde on digesta flows, intake and growth rate of cattle eating wheat straw	553
DAVIES A., NWAONU H. N., STANIER G. & BOYLE F. T. Properties of a novel series of inhibitors of rumen methanogenesis; in vitro and in vivo experiments including growth trials on 2,4-bis-(trichloromethyl)-benzo[1,3]dioxin-6-carboxylic acid	565
OLPIN S. E. & BATES C. J. Lipid metabolism in riboflavin-deficient rats. 1. Effect of dietary lipids on riboflavin status and fatty acid profiles	577
OLPIN S. E. & BATES C. J. Lipid metabolism in riboflavin-deficient rats. 2. Mitochondrial fatty acid oxidation and the microsomal desaturation pathway	589
HILTON J. W. & ATKINSON J. L. Response of rainbow trout ( <i>Salmo gairdneri</i> ) to increased levels of available carbohydrate in practical trout diets	597
BENDER DAVID A., TAGOE CLEMENT E. & VALE JUSTIN A. Effects of oestrogen administration on vitamin B <sub>6</sub> and tryptophan metabolism in the rat	609
INCE B. W., LONE K. P. & MATTY A. J. Effect of dietary protein level, and an anabolic steroid, ethylestrenol, on the growth, food conversion efficiency and protein efficiency ratio of rainbow trout ( <i>Salmo gairdneri</i> )	615
ØRSKOV E. R. & MACLEOD N. A. The determination of the minimal nitrogen excretion in steers and dairy cows and its physiological and practical implications	625
MACRAE J. C., SMITH J. S. & WHITE F. Effects of gastrointestinal cannulation and jugular vein catheterization on the metabolism of sheep	637
NAKANO KIWAO & MORITA AKIHITO. Redistribution of vitamin A in tissues of rats with imposed chronic confinement stress	645
CONNOLLY E., MORRISSEY R. D. & CARNIE J. A. The effect of interscapular brown adipose tissue removal on body-weight and cold response in the mouse	653

# The British Journal of Nutrition

Volume 47 No. 3 May 1982

## CONTENTS

### Papers of direct reference to CLINICAL AND HUMAN NUTRITION

- NYMAN MARGARETA & ASP NILS-GEORG. Fermentation of dietary fibre components in the rat intestinal tract 357
- WEINSIER ROLAND L., JOHNSTON MARJORIE H., DOLEYS DANIEL M. & BACON JANE A. Dietary management of obesity: evaluation of the time-energy displacement diet in terms of its efficacy and nutritional adequacy for long-term weight control 367
- WENLOCK R. W., BUSS D. H., MOXON R. E. & BUNTON N. G. Trace nutrients 4. Iodine in British food 381
- JAHOOR F. & JACKSON ALAN A. Hepatic function in rats with dietary-induced fatty liver, as measured by the uptake of indocyanine green 391
- BINGHAM SHEILA, CUMMINGS J. H. & MCNEIL N. I. Diet and health of people with an ileostomy. 1. Dietary assessment 399
- MCNEIL N. I., BINGHAM SHEILA, COLE T. J., GRANT A. M. & CUMMINGS J. H. Diet and health of people with an ileostomy. 2. Ileostomy function and nutritional state 407
- BEDI K. S., BIRZGALIS A. R., MAHON M., SMART J. L. & WAREHAM A. C. Early life undernutrition in rats. 1. Quantitative histology of skeletal muscles from underfed young and refed adult animals 417
- WAREHAM A. C., MAHON M., BEDI K. S. & SMART J. L. Early life undernutrition in rats. 2. Some contractile properties of skeletal muscles from adult animals 433
- SMART J. L. & BEDI K. S. Early life undernutrition in rats. 3. Motor performance in adulthood 439
- BALAKRISHNA MURTHY P., RAHIMAN M. ABDUL & TULPUL P. G. Lymphocyte proliferation kinetics in malnourished children measured by differential chromatid staining 445
- VAN DOKKUM W., WESSTRA ANNEKE & SCHIPPERS FRANCIEN A. Physiological effects of fibre-rich types of bread. 1. The effect of dietary fibre from bread on the mineral balance of young men 451
- ROTHWELL NANCY J. & STOCK MICHAEL J. Effects of feeding a palatable 'cafeteria' diet on energy balance in young and adult lean (+/?) Zucker rats 461
- EVANS RICHARD M., CURRIE LILIAS & CAMPBELL ALLAN. The distribution of ascorbic acid between various cellular components of blood, in normal individuals, and its relation to the plasma concentration 473
- SEETHARAM BHAT K. Changes in lens proteins in undernourished and well-nourished patients with cataract 483
- OLADUNNI TAYLOR G., AGBEDANA E. O. & JOHNSON A. O. K. High-density-lipoprotein-cholesterol in protein-energy malnutrition 489

### Papers on GENERAL NUTRITION

- CUNNANE S. C. Foetal mortality in moderately zinc-deficient rats is strictly related to the process of parturition: Effect of maternal essential fatty acid supplementation 495
- ÅKESSON B., FEHLING C., JÄGERSTAD M. & STENRAM U. Effect of experimental folate deficiency on lipid metabolism in liver and brain 505
- KENNEDY P. M., CHRISTOPHERSON R. J. & MILLIGAN L. P. Effects of cold exposure on feed protein degradation, microbial protein synthesis and transfer of plasma urea to the rumen of sheep 521
- STÅLNACKE C.-G., JONES B., LÅNGSTRÖM B., LUNDQVIST H., MALMBORG P., SJÖBERG S. & LARSSON B. Short-lived radionuclides in nutritional physiology. A model study with L-[Me-<sup>14</sup>C]methionine in the pig 537
- MACLEOD N. A., CORRIGALL W., STIRTON R. A. & ØRSKOV E. R. Intra-gastric infusion of nutrients in cattle 547

*continued on inside back cover*

© The Nutrition Society 1982

*For Index of Authors see inside back cover*

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP

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

Printed in Great Britain at the University Press, Cambridge