Nutrition Research Reviews, published annually by Cambridge University Press, presents authoritative and critical reviews of research that advance new concepts and encourage fresh thinking on a variety of nutritional problems. The journal's main objective is to encourage the exchange of fundamental ideas on nutritional well-being. The subscription (excluding VAT) to volume 8, 1995, is £49 including postage (US \$89 in USA, Canada and Mexico).

The Proceedings of the Nutrition Society, published by Cambridge University Press, in part record meetings of the Symposium type, at which experts in a particular field are invited by Council to make contributions on specific parts of it and at which general discussion follows these invited contributions. The meetings also include sessions at which papers are communicated by members and others on original work. It is proposed at present to publish summaries of the papers read at each meeting, each communication being recorded in the Society's *Proceedings* by means of an abstract not exceeding in length 400 words or the equivalent space in print. The *Proceedings* are published three times a year.

The subscription (excluding VAT) to the *Proceedings* is £126.00 (US \$240.00 in USA, Canada and Mexico). Single issues are £44.00 (US \$85.00 in the USA, Canada and Mexico) each; postage extra.

Copying. This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of the US copyright law) subject to payment to C.C.C. of the per-copy fee of \$11.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0007–1145/95 \$11.00 + .10. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

INDEX OF AUTHORS

			Carlothing at		
Alfredo Martinez, J.	87	Faisant, N.	111	Matheix-Fortunet, H.	99
Armour, J. C.	17	Francis, J.	3	Mitchell, A. D.	73
				Molis, C.	99
Baró, L.	65	Galmiche, J. P.	99	Mouwen, J. M. V. M.	31
Baumont, R.	51	Gautron, J.	125		
Boza, J. J.	65	Gil, A.	65	Nys, Y.	125
Bosch, M. W.	41	Grant, G.	17		
Bruining, M.	41	Guinotte, F.	125	Petit, J.	99
Buchan, W. C.	17		Circumst	Powers, H. J.	141
Buchanan-Smith, J. B.	3	Hecketsweiler, B.	99	Pusztai, A.	17
Buléon, A.	111	Hecketsweller, B.	77	Control (Control of Programs)	
			31	Rosebrough, R. W.	73
Champ, M.	99	Jansman, A. J. M.	31	Rumsey, R. D. E.	141
Colin, R.	99	(Fe. 1520) 1 - 503		1.000 000 000 2. 00 000 000 000000	
Colomb, V.	99	Kaeffer, N.	99	Siddons, R. C.	3
Colonna, P.	99	Koninkx, J. F. J. G.	31	Soumarmon, A.	125
Contraction of the contraction o	5/5			Southgate, D. A. T.	1
Dhanoa, M. S.	3	Larralde, J.	87		
Dolores Suarez, M.	65	Lartigue, S.	99	van Leeuwen, P.	31
Dorward, P. M.	17	Lerebours, E.	99	Van Os, M.	51
Dulphy, J. P.	51	Lopez, S.	3	7 411 50, 111	51
~ p-2/,	-			Wiebenga, J.	31
Esparza, M. L.	87	Martínez-Augustin, O.	65	Williams, E. A.	141

VOL. 73 NO. 1 JANUARY 1995

CONTENTS

Editorial Design models. D. A. T. Southgate	1–2
Model for forage degradation kinetics A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. M. S. Dhanoa, J. France, R. C. Siddons, S. Lopez & J. G. Buchanan-Smith	3–15
Dietary effects of bean consumption Consumption of diets containing raw soya beans (Glycine max), kidney beans (Phaseolus vulgaris), cowpeas (Vigna unguiculata) or lupin seeds (Lupinus angustifolius) by rats for up to 700 days: effects on body composition and organ weights. George Grant, Patricia M. Dorward, Wendy C. Buchan, Julia C. Armour & Arpad Pusztai	17–29
Dietary effects of faba-bean (<i>Vicia faba</i> L.) tannins on the morphology and function of the small-intestinal mucosa of weaned pigs. <i>P. van Leeuwen, A. J. M. Jansman, J. Wiebenga, J. F. J. G. Koninkx & J. M. V. M. Mouwen</i>	31–39
Digesta kinetics and feed intake in silage-fed animals Passage rate and total clearance rate from the rumen of cows fed on grass silages differing in cell-wall content. Marlou W. Bosch & Marianne Bruining The effect of protein degradation products in grass silages on feed intake and	41-49
intake behaviour in sheep. M. Van Os, J. P. Dulphy & R. Baumont Protein v. enzymic protein hydrolysates. Nitrogen utilization in starved rats. Julio J. Boza, Olga Martínez-Augustin, Luis Baró, M. Dolores Suarez & Angel Gil	51–64 65–71
Chicken liver metabolism <i>in vitro</i> Protein and energy relationships in the broiler chicken 12. Dietary protein and triiodothyronine (T ₃) effects on the response of broilers to isoproterenol and cyclic adenosine monophosphate <i>in vitro</i> . R. W. Rosebrough & A. D. Mitchell	73–85
Immunity, nutrition and growth performance Immunological changes in growing mice fed on diets containing casein or peas (Pisum sativum, var. Belinda) as the source of protein. J. Alfredo Martínez, M. Luisa Esparza & Jesus Larralde	87–97
Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. Virginie Colomb, Jean Petit, Hélène Matheix-Fortunet, Bernadette Hecketsweiler, Nathalie Kaeffer, Eric Lerebours, Raymond Colin & Jean-François Lemeland	99–110
Resistant starch from raw banana Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. N. Faisant, A. Buléon, P. Colonna, C. Molis, S. Latique, I. P. Galmicha & M. Champ	111 122

continued on page facing inside back cover

For Index of Authors see inside back cover



