

**PUBLISHED FOR**  
**THE MEDICAL RESEARCH SOCIETY AND THE BIOCHEMICAL SOCIETY**  
**BY**  
**BLACKWELL SCIENTIFIC PUBLICATIONS LTD**  
**OSNEY MEAD, OXFORD**

**PRINTED IN GREAT BRITAIN BY ALDEN & MOWBRAY LTD AT THE ALDEN PRESS, OXFORD**

## AUTHOR INDEX

- ADAMS, J.F., CLOW, D.J., ROSS, SHEILA K., BODDY, K., KING, PRISCILLA & MAHAFFY, MAUREEN A. Factors affecting the absorption of vitamin B<sub>12</sub> 233
- ADDISON, JILL M., BURSTON, D. & MATTHEWS, D.M. Evidence for active transport of the dipeptide glycylsarcosine by hamster jejunum *in vitro* 907
- ADDISON, JILL M., see also Burston, D. *et al.*
- AGOSTINI, L., see Down, P.F. *et al.*
- ALARCÓN-SEGOVIA, D. & FISHBEIN, EUGENIA. Serum immunoglobulins in systemic lupus erythematosus 121
- ALEXANDER, E.A. see Blendis, L.M. *et al.*
- ALEXANDER, J.I., HORTON, P.W., MILLAR, W.T., PARIKH, R.K. & SPENCE, A.A. The effect of upper abdominal surgery on the relationship of airway closing point to end tidal position 137
- ALFORD, F.P., see Patel, Y.C. *et al.*
- ANTHONISEN, N.R., see Martin, R.R. *et al.*
- ARNOT, R.N., see Skrabal, F. *et al.*
- ASTIN, T.W. Bronchial sympathetic activity in chronic bronchitis 881
- ATKINS, D., see Robertson, W.G. *et al.*
- AULD, R.B., see Blendis, L.M. *et al.*
- BACKHOUSE, JOAN, see Mawer, E. Barbara *et al.*
- BAILEY, R.R., see Clarkson, E.M. *et al.*
- BARBEAU, A., see Cuhe, J.L. *et al.*
- BARRACLOUGH, M.A. Effect of vasopressin on the reabsorption of phenacetin and its metabolites from the tubular fluid in man 709
- BECKNER, W.M., see Strickland, G.T. *et al.*
- BEERMANN, B., HELLSTRÖM, K. & ROSÉN, A. The absorption of orally administered [<sup>12</sup>α-<sup>3</sup>H]digoxin in man 507
- BERAN, A.V. & TAYLOR, W.F. Peritoneal dialysis for the support of respiratory insufficiency in rabbits 695
- BERLYNE, G.M., see Danovitch, G.M. *et al.*
- BHUYAN, B.K., see Corrocher, R. *et al.*
- BIRKENHÄGER, W.H., see Krauss, X.H. *et al.*
- BLENDIS, L.M., AULD, R.B., ALEXANDER, E.A. & LEVINSKY, N.G. Effect of renal beta- and alpha-adrenergic stimulation on proximal sodium reabsorption in dogs 569
- BODDY, K., see Adams, J.F. *et al.*; see also Womersley, J. *et al.*
- BOUCHER, R., see Cuhe, J.L. *et al.*
- BOWN, R.L., SLADEN, G.E., ROUSSEAU, B., GIBSON, J.A., CLARK, M.L. & DAWSON, A.M. A study of water and electrolyte transport by the excluded human colon 891

- BRADFORD, BERENICE, see Patrick, J. *et al.*
- BROWN, C.L., HOUGHTON, B.J., SOUHAMI, R.L. & RICHARDS, P. The effects of low-protein diet and uraemia upon urea-cycle enzymes and transaminases in rats 371
- BRYCESON, A.D.M., COOPER, K.E., WARRELL, D.A., PERINE, P.L. & PARRY, E.H.O. Studies of the mechanism of the Jarisch-Herxheimer reaction in louse-borne relapsing fever: evidence for the presence of circulating *Borrelia* endotoxin 343
- BURGER, H.G., see Patel, Y.C. *et al.*
- BURSTON, D., ADDISON, JILL M. & MATTHEWS, D.M. Uptake of dipeptides containing basic and acidic amino acids by rat small intestine *in vitro* 823
- BURSTON, D., see also Addison, Jill M. *et al.*
- CADE, J.F. & PAIN, M.C.F. Lung function in provoked asthma: responses to inhaled urea, methacholine and isoprenaline 759
- CALNE, D.B., see Reid, J.L. *et al.*
- CAMPBELL, E.H.G., see Elder, J.B. *et al.*
- CAMPBELL, E.J.M., see Rebeck, A.S. *et al.*
- CANIGGIA, A., GENNARI, C., PIANTELLI, F. & VATTIMO, A. Initial increase of plasma radioactive calcium after intravenous injection of calcitonin in man 171
- CARRELLA, M., see Maxwell, J.D. *et al.*
- CHAMBERLAIN, M.J., see Hosking, D.J. *et al.*
- CLARK, M.L., see Bown, R.L. *et al.*
- CLARKE, C.A. Blood group incompatibility between mother and foetus 1
- CLARKSON, E.M., LUCK, V.A., HYNSON, W.V., BAILEY, R.R., EASTWOOD, J.B., WOODHEAD, J.S., CLEMENTS, V.R., O'RIORDAN, J.L.H. & DE WARDENER, H.E. The effect of aluminium hydroxide on calcium, phosphorus and aluminium balances, the serum parathyroid hormone concentration and the aluminium content of bone in patients with chronic renal failure 519
- CLEMENTS, V.R., see Clarkson, E.M. *et al.*
- CLOW, D.J., see Adams, J.F. *et al.*
- COCHRAN, M., see Marshall, R.W. *et al.*
- COGSWELL, J.J., see Milner, A.D. *et al.*
- COHN, J.N., see Velasquez, M.T. *et al.*
- COLLIER, J.G., NACHEV, C. & ROBINSON, B.F. Effect of catecholamines and other vasoactive substances on superficial hand veins in man 455
- CONDON, J.R., see Day, J.L. *et al.*
- COOK, G.C. Comparison of intestinal absorption rates of glycine and glycyglycine in man and the effect of glucose in the perfusing fluid 443
- COOPER, K.E., see Bryceson, A.D.M. *et al.*
- CORROCHER, R., BHUYAN, B.K. & HOFFBRAND, A.V. Composition of pteroylpolyglutamates (conjugated folates) in guinea-pig liver and their formation from folic acid 799
- CORROCHER, R. & HOFFBRAND, A.V. Subcellular localization of folate and effect of methotrexate on the incorporation of radioactive folic acid into guinea-pig liver folate 815

- CRANE, G.G., ROWLEY, MERRILL J., WARBURTON, M.F. & MACKAY, I.R. Humoral immune responses in the tropical-splenomegaly syndrome in New Guinea 869
- CREAN, G.P., see Elder, J.B. *et al.*
- CUCHE, J.L., KUCHEL, O., BARBEAU, A., BOUCHER, R. & GENEST, J. Relationship between the adrenergic nervous system and renin during adaptation to upright posture: a possible role for 3,4-dihydroxyphenethylamine (dopamine) 481
- CULLEN, J., see Gleeson, M.H. *et al.*
- CURRY, S.H., see Maxwell, J.D. *et al.*
- DANOVITCH, G.M., WEINBERGER, J. & BERLYNE, G.M. Uric acid in advanced renal failure 331
- DAWSON, A.M., see Bown, R.L. *et al.*
- DAY, J.L., KNIGHT, M. & CONDON, J.R. The role of pancreatic glucagon in the pathogenesis of acute pancreatitis 597
- DE WARDENER, H.E., see Clarkson, E.M. *et al.*
- DEFARES, J.G., see Wise, M.E. *et al.*
- DEHNEL, JENNIFER M. & FRANCIS, M.J.O. Somatomedin (sulphation factor)-like activity of homocystine 903
- DOMAN, P., see Garrick, R. *et al.*
- DOWLING, R.H., see Gleeson, M.H. *et al.*
- DOWN, P.F., AGOSTINI, L., MURISON, J. & WRONG, O.M. The interrelations of faecal ammonia, pH and bicarbonate: evidence of colonic absorption of ammonia by non-ionic diffusion 101
- DUNCAN, D.C., see Epstein, M. *et al.*
- DURNIN, J.V.G.A., see Womersley, J. *et al.*
- DÜSTERDIECK, G., see Oelkers, W. *et al.*
- EASTWOOD, J.B., see Clarkson, E.M. *et al.*
- EDWARDS, I.R. & SMITH, SANDRA A. Movement of sodium and cholesterol across porcine aortic intima 133
- ELDER, J.B., GILLESPIE, G., CAMPBELL, E.H.G., GILLESPIE, I.E., CREAN, G.P. & KAY, A.W. A study of the acid dose-response curve to small doses of pentagastrin in duodenal ulcer patients 181
- ELDER, J.B., GILLESPIE, G., CAMPBELL, E.H.G., GILLESPIE, I.E., CREAN, G.P. & KAY, A.W. The effect of vagotomy on the lower part of the acid dose-response curve to pentagastrin in man 193
- ELDER, J.B., GILLESPIE, G., GILLESPIE I.E., CREAN, G.P., KAY, A.W. & CAMPBELL, E.H.G. The effect of sub-threshold doses of pentagastrin on the acid response to insulin in duodenal ulcer subjects before and after truncal vagotomy 201
- ELLIOTT, A.J., see Healy, J.K. & Elliott, A.J.
- EPSTEIN, M., DUNCAN, D.C. & FISHMAN, L.M. Characterization of the natriuresis caused in normal man by immersion in water 275
- ERMEL, A.E. Sodium turnover in irradiation hypertension 219
- ESKESEN, B., see Ranløv, P. *et al.*

- FISHBEIN, EUGENIA, see Alarcón-Segovia, D. & Fishbein, Eugenia
- FISHMAN, L.M., see Epstein, M. *et al.*
- FLEISCH, H.A., see Gasser, A.B. *et al.*
- FLENLEY, D.C., see Iff, H.W. & Flenley, D.C.
- FOWELL, EDNA, see Hyne, B.E.B. *et al.*
- FRANCIS, M.J.O., see Dehnel, Jennifer M. & Francis, M.J.O.
- FRASER, T.R., see Skrabal, F. *et al.*
- FREEDMAN, S., see Patton, J.M.S. & Freedman, S.
- FREMLIN, J.H., see Hosking, D.J. & Fremlin, J.H.
- 
- GARRICK, R., DOMAN, P. & POSEN, S. Quantitative histology of bone: the use of a computer program and results in normal subjects 789
- GASSER, A.B., MORGAN, D.B., FLEISCH, H.A. & RICHELLE, L.J. The influence of two diphosphonates on calcium metabolism in the rat 31
- GAUNT, JUDITH, see Patrick, J. *et al.*
- GENEST, J., see Cuhe, J.L. *et al.*
- GENNARI, C., see Caniggia, A. *et al.*
- GEORGE, C.F., see Reid, J.L. *et al.*
- GIBSON, J.A., see Bown, R.L. *et al.*
- GILLESPIE, G., see Elder, J.B. *et al.*
- GILLESPIE, I.E., see Elder, J.B. *et al.*
- GLEESON, M.H., CULLEN, J. & DOWLING, R.H. Intestinal structure and function after small bowel by-pass in the rat 731
- GLEESON, M.H., DOWLING, R.H. & PETERS, T.J. Biochemical changes in intestinal mucosa after experimental small bowel by-pass in the rat 743
- GODDARD, J., see Wilkinson, I.M.S. *et al.*
- GODFREY, S., see Wise, M.E. *et al.*
- GOLDBERG, A., see Moore, M.R. *et al.*
- GOWER, P.E., TAYLOR, P.W., KOUTSAIMANIS, K.G. & ROBERTS, A.P. Serum bactericidal activity in patients with upper and lower urinary tract infections 13
- GRANT, B.J.B., see Hughes, J.M.B. *et al.*
- GREENE, R.E., see Hughes, J.M.B. *et al.*
- GRIBBIN, B., see Pickering, T.G. *et al.*
- 
- HANKIN, MARGARET E., THEILE, HELEN M. & STEINBECK, A.W. Cortisol and aldosterone excretion and plasma cortisol concentrations in normal and obese female subjects 289
- HATCH, D.J., see Milner, A.D. *et al.*
- HEALY, J.K. & ELLIOTT, A.J. The transient nature of angiotensin-induced natriuresis in the rabbit 355
- HEIERLI, CH. & HILL, A.V.L. The relationship between the magnesium concentration in the dialysis fluid used and in the plasma and erythrocytes of patients with chronic renal failure being treated by regular haemodialysis 779
- HELLIER, M.D., HOLDSWORTH, C.D., PERRETT, D. & THIRUMALAI, C. Intestinal dipeptide transport in normal and cystinuric subjects 659

- HELLSTRÖM, K., see Beermann, B. *et al.*; see also Wengle, B. & Hellström, K.
- HILL, A.V.L., see Heierli, Ch. & Hill, A.V.L.
- HILL, L.F., see Van Den Berg, C.J. *et al.*
- HODGKINSON, A., see Marshall, R.W. *et al.*
- HOFFBRAND, A.V., see Corrocher, R. & Hoffbrand, A.V. see also Corrocher, R. *et al.*
- HOLDSWORTH, C.D., see Hellier, M.D. *et al.*
- HOLMAN, CARLENE A., see Mawer, E. Barbara *et al.*
- HORTON, P.W., see Alexander, J.I. *et al.*
- HOSKING, D.J., CHAMBERLAIN, M.J. & FREMLIN, J.H. Changes in total body calcium content in primary hyperparathyroidism 627
- HOUGHTON, B.J., see Brown, C.L. *et al.*
- HUGHES, J.M.B., GRANT, B.J.B., GREENE, R.E., ILIFF, L.D. & MILIC-EMILI, J. Inspiratory flow rate and ventilation distribution in normal subjects and in patients with simple chronic bronchitis 583
- HULL, D., see Milner, A.D. *et al.*
- HUNT, T.C., see Parke, D.V. *et al.*
- HYNE, B.E.B., FOWELL, EDNA & LEE, H.A. The effect of caloric intake on nitrogen balance in chronic renal failure 679
- HYNSON, W.V., see Clarkson, E.M. *et al.*
- IBSEN, H., see Sederberg-Olsen, P. & Ibsen, H.
- IFF, H.W. & FLENLEY, D.C. The ventilatory response to CO<sub>2</sub> after administration of frusemide in normal man 47
- ILIFF, L.D., see Hughes, J.M.B. *et al.*
- IVESON, P., see Parke, D.V. *et al.*
- JONES, N.F., see Patrick, J. *et al.*; see also Poole-Wilson, P.A. *et al.*
- JONES, N.L., see Roebuck, A.S. *et al.*
- JOPLIN, G.F., see Skrabal, F. *et al.*
- KAPPAGODA, C.T., STOKER, J.B., SNOW, H.M. & LINDEN, R.J. The CO<sub>2</sub> titration curve of mixed venous blood 553
- KAY, A.W., see Elder, J.B. *et al.*
- KING, PRISCILLA, see Adams, J.F. *et al.*; see also Womersley, J. *et al.*
- KNIGHT, M., see Day, J.L. *et al.*
- KOLSTERS, G., see Krauss, X.H. *et al.*
- KOUTSAIMANIS, K.G., see Gower, P.E. *et al.*
- KRAUSS, X.H., SCHALEKAMP, M.A.D.H., KOLSTERS, G., ZAAL, G.A. & BIRKENHÄGER, W. H. Effects of chronic beta-adrenergic blockade on systemic and renal haemodynamic responses to hyperosmotic saline in hypertensive patients 385
- KUCHEL, O., see Cuhe, J.L. *et al.*
- LEE, H.A., see Hyne, B.E.B. *et al.*
- LEEVY, C.M., see Thomson, A.D. & Leevy, C.M.

- LEU, MEI-LING, see Strickland, G.T. *et al.*
- LEVIN, M.L., RECTOR, F.C., JR, & SELDIN, D.W. The effects of chronic hypokalaemia, hyponatraemia, and acid-base alterations on erythrocyte sodium transport 251
- LEVINSKY, N.G. see Blendis, L.M. *et al.*
- LINDEN, R.J., see Kappagoda, C.T. *et al.*
- LUCK, V.A., see Clarkson, E.M. *et al.*
- LUMB, G.A., see Mawer, E. Barbara *et al.*
- MACDONALD, I. Relationship between dietary carbohydrates and fats in their influence on serum lipid concentrations 265
- MACGREGOR, G.A., see Poole-Wilson, P.A. *et al.*
- MACKAY, I.R., see Crane, G.G. *et al.*
- MAHAFFY, MAUREEN A., see Adams, J.F. *et al.*
- MARSHALL, R.W., COCHRAN, M. & HODGKINSON, A. Relationships between calcium and oxalic acid intake in the diet and their excretion in the urine of normal and renal-stone-forming subjects 91
- MARSHALL, R.W., COCHRAN, M., ROBERTSON, W.G., HODGKINSON, A. & NORDIN, B.E.C. The relation between the concentration of calcium salts in the urine and renal stone composition in patients with calcium-containing renal stones 433
- MARTIN, R.R., ANTHONISEN, N.R. & ZUTTER, M. Flow dependence of the intrapulmonary distribution of inspired boluses of  $^{133}\text{Xe}$  in smokers and non-smokers 319
- MATTHEWS, D.M., see Addison, Jill M. *et al.*; see also Burston, D. *et al.*
- MAWER, E. BARBARA, BACKHOUSE, JOAN, HOLMAN, CARLENE A., LUMB, G.A. & STANBURY, S.W. The distribution and storage of vitamin D and its metabolites in human tissues 413
- MAXWELL, J.D., CARRELLA, M., PARKES, J.D., WILLIAMS, R., MOULD, G.P. & CURRY, S.H. Plasma disappearance and cerebral effects of chlorpromazine in cirrhosis 143
- MILIC-EMILI, J., see Hughes, J.M.B. *et al.*
- MILLAR, W.T., see Alexander, J.I. *et al.*
- MILNER, A.D., HULL, D., HATCH, D.J. & COGSWELL, J.J. A new method for measuring static compliance in infants and young children 689
- MOORE, M.R., THOMPSON, G.G. & GOLDBERG, A. Amounts of faecal porphyrin-peptide conjugates in the porphyrias 299
- MORGAN, D.B., see Gasser, A.B. *et al.*
- MORTON, J.J., see Oelkers, W. *et al.*
- MOULD, G.P., see Maxwell, J.D. *et al.*
- MURISON, J., see Down, P.F. *et al.*
- NACHEV, C., see Collier, J.G. *et al.*
- NEEDLE, M.A., SHAPIRO, W., VISWANATHAN, V. & SEMAR, M. Relation of the extra-cellular [bicarbonate]/[chloride] ratio to erythrocyte sodium content: a possible new control system 311
- NORDIN, B.E.C., see Marshall, R.W. *et al.*
- NOTARGIACOMO, A.V., see Velasquez, M.T. *et al.*

- NOVÁK, P., see Roztočil, K. *et al.*
- OELKERS, W., DÜSTERDIECK, G. & MORTON, J.J. Arterial angiotensin II and venous immunoreactive material before and during angiotensin infusion in man 209
- OLIVER, D.O., see Pickering, T.G. *et al.*
- O'REILLY, S., see Strickland, G.T. *et al.*
- O'RIORDAN, J.L.H., see Clarkson, E.M. *et al.*
- OSBORN, E.C., TILDESLEY, G. & PICKENS, P.T. Pressor response to angiotensin I and antiotensin II: the site of conversion of angiotensin I 839
- PAIN, M.C.F., see Cade, J.F. & Pain, M.C.F.
- PARIKH, R.K., see Alexander, J.I. *et al.*
- PARKE, D.V., HUNT, T.C. & IVESON, P. The fate of [<sup>14</sup>C]carbenoxolone in patients with gastric ulcer 393
- PARKES, J.D., see Maxwell, J.D. *et al.*
- PARRY, E.H.O., see Bryceson, A.D.M. *et al.*
- PATEL, Y.C., ALFORD, F.P. & BURGER, H.G. The 24-hour plasma thyrotrophin profile 71
- PATRICK, J., JONES, N.F., BRADFORD, BERENICE & GAUNT, JUDITH. Leucocyte potassium in uraemia: comparisons with erythrocyte potassium and total exchangeable potassium 669
- PATRICK, J., see also Poole-Wilson, P.A. *et al.*
- PATTON, J.M.S. & FREEDMAN, S. The ventilatory response to CO<sub>2</sub> of patients with diffuse pulmonary infiltrations or fibrosis 55
- PEACOCK, M., see Robertson, W.G. & Peacock, M.; see also Robertson, W.G. *et al.*
- PERINE, P.L., see Bryceson, A.D.M. *et al.*
- PERRETT, D., see Hellier, M.D. *et al.*
- PETERS, T.J., see Gleeson, M.H. *et al.*
- PIANTELLI, F., see Caniggia, A. *et al.*
- PICKENS, P.T., see Osborn, E.C. *et al.*
- PICKERING, T.G., GRIBBIN, B. & OLIVER, D.O. Baroreflex sensitivity in patients on long-term haemodialysis 645
- POHL, J.E.F., see Swales, J.D. *et al.*
- POOLE-WILSON, P.A., PATRICK, J., MACGREGOR, G.A. & JONES, N.F. Renal excretion of bicarbonate and hydrogen ions: effects of mannitol diuresis in normal man 561
- POORTMANS, J.R. Effect of exercise on the renal clearance of amylase and lysozyme in humans 115
- POSEN, S., see Garrick, R. *et al.*
- PŘEROVSKÝ, I., see Roztočil, K. *et al.*
- PULLEN, B., see Wilkinson, I.M.S. *et al.*
- QUEIROZ, F.P., see Swales, J.D. *et al.*
- RANLØV, P., ROSSING, N., SCHWARTZ, M., ESKESEN, B. & RASMUSSEN, G. Late hypoalbuminaemia and albumin metabolism in paraplegic and tetraplegic patients 639
- RASMUSSEN, G., see Ranløv, P. *et al.*

- REBUCK, A.S., JONES, N.L. & CAMPBELL, E.J.M. Ventilatory response to exercise and to CO<sub>2</sub> rebreathing in normal subjects 861
- RECTOR, F.C., JR, see Levin, M.L. *et al.*
- REID, J.L., CALNE, D.B., GEORGE, C.F. & VAKIL, S.D. The action of L(-)-dopa on baroreflexes in Parkinsonism 851
- REID, LYNNE, see Sturgess, Jennifer & Reid, Lynne
- RICHARDS, P., see Brown, C.L. *et al.*
- RICHELE, L.J., see Gasser, A.B. *et al.*
- ROBERTS, A.P., see Gower, P.E. *et al.*
- ROBERTSON, W.G. & PEACOCK, M. Calcium oxalate crystalluria and inhibitors of crystallization in recurrent renal stone-formers 499
- ROBERTSON, W.G., PEACOCK, M., ATKINS, D. & WEBSTER, L.A. The effect of parathyroid hormone on the uptake and release of calcium by bone in tissue culture 715
- ROBERTSON, W.G., see also Marshall, R.W. *et al.*
- ROBINSON, B.F., see Collier, J.G. *et al.*
- ROSÉN, A., see Beermann, B. *et al.*
- ROSS, SHEILA K., see Adams, J.F. *et al.*
- ROSSING, N., see Ranløv, P. *et al.*
- ROUSSEAU, B., see Bown, R.L. *et al.*
- ROWLEY, MERRILL J., see Crane, G.G. *et al.*
- ROZTOČIL, K., PŘEROVSKÝ, I. & NOVÁK, P. Capillary diffusion capacity for <sup>131</sup>I in muscles of patients with chronic renal insufficiency 545
- RUSSELL, R.I., see Wingate, D.L. & Russell, R.I.
- 
- SCHALEKAMP, M.A.D.H., see Krauss, X.H. *et al.*
- SCHWARTZ, M., see Ranløv, P. *et al.*
- SEDERBERG-OLSEN, P. & IBSEN, H. Plasma volume and extracellular fluid volume during long-term treatment with propranolol in essential hypertension 165
- SELDIN, D.W., see Levin, M.L. *et al.*
- SELLORS, J., see Suh, S.M. & Sellors, J.
- SEMAR, M., see Needle, M.A. *et al.*
- SHAPIRO, W., see Needle, M.A. *et al.*
- SKRABAL, F., ARNOT, R.N., JOPLIN, G.F. & FRASER, T.R. The effect of glucocorticoid withdrawal on body water and electrolytes in hypopituitary patients with adrenocortical insufficiency as investigated with <sup>77</sup>Br, <sup>43</sup>K, <sup>24</sup>Na and <sup>3</sup>H<sub>2</sub>O 79
- SLADEN, G.E., see Bown, R.L. *et al.*
- SMITH, SANDRA A., see Edwards, I.R. & Smith, Sandra A.
- SNOW, H.M., see Kappagoda, C.T. *et al.*
- SOUHAMI, R.L., see Brown, C.L. *et al.*
- SPENCE, A.A., see Alexander, J.I. *et al.*
- STANBURY, S.W., see Mawer, E. Barbara *et al.*; see also Van Den Berg, C.J. *et al.*
- STEINBECK, A.W., see Hankin, Margaret E. *et al.*
- STOKER, J.B., see Kappagoda, C.T., *et al.*

- STRICKLAND, G.T., BECKNER, W.M. & LEU, MEI-LING. Absorption of copper in homozygotes and heterozygotes for Wilson's disease and controls: isotope tracer studies with  $^{67}\text{Cu}$  and  $^{64}\text{Cu}$  617
- STRICKLAND, G.T., BECKNER, W.M., LEU, MEI-LING. & O'REILLY, S. Turnover studies of copper in homozygotes and heterozygotes for Wilson's disease and controls: isotope tracer studies with  $^{67}\text{Cu}$  605
- STURGESS, JENNIFER & REID, LYNNE. An organ culture study of the effect of drugs on the secretory activity of the human bronchial submucosal gland 533
- SUH, S.M. & SELLORS, J. Normal urine concentrating ability in magnesium depletion 723
- SWALES, J.D., THURSTON, H. & POHL, J.E.F. Sodium conservation in chronic renal failure: studies using oral diazoxide 771
- SWALES, J.D., THURSTON, H., QUEIROZ, F.P. & TANGE, J.D. Faecal sodium/potassium ratio and aldosteronism in experimental hypertension in the rat 577
- TANGE, J.D., see Swales, J.D. *et al.*
- TAYLOR, P.W. An antibactericidal factor in the serum of two patients with infections of the upper urinary tract 23
- TAYLOR, P.W. Isolation and characterization of a serum antibactericidal factor 705
- TAYLOR, P.W., see also Gower, P.E. *et al.*
- TAYLOR, W.F., see Beran, A.V. & Taylor, W.F.
- TESTA, H.J., see Wilkinson, I.M.S. *et al.*
- THEILE, HELEN M., see Hankin, Margaret E. *et al.*
- THIRUMALAI, C., see Hellier, M.D. *et al.*
- THOMPSON, G.G., see Moore, M.R. *et al.*
- THOMSON, A.D. & LEEVY, C.M. Observations on the mechanism of thiamine hydrochloride absorption in man 153
- THURSTON, H., see Swales, J.D. *et al.*
- TILDESLEY, G., see Osborn, E.C. *et al.*
- VAKIL, S.D., see Reid, J.L. *et al.*
- VAN DEN BERG, C.J., HILL, L.F. & STANBURY, S.W. Inositol phosphates and phytic acid as inhibitors of biological calcification in the rat 377
- VATTIMO, A., see Caniggia, A. *et al.*
- VELASQUEZ, M.T., NOTARGIACOMO, A.V. & COHN, J.N. Influence of cortical plasma transit-time on *p*-aminohippurate extraction during induced renal vasodilatation in anaesthetized dogs 401
- VISWANATHAN, V., see Needle, M.A. *et al.*
- WARBURTON, M.F., see Crane, G.G. *et al.*
- WARRELL, D.A., see Bryceson, A.D.M. *et al.*
- WEBSTER, L.A., see Robertson, W.G. *et al.*
- WEINBERGER, J., see Danovitch, G.M. *et al.*
- WENGLE, B. & HELLSTRÖM, K. Volatile phenols in serum of uraemic patients 493

- WILKINSON, I.M.S., GODDARD, J., TESTA, H.J. & PULLEN, B. Improved atraumatic method for estimation of cerebral transit-time in man 477
- WILLIAMS, R., see Maxwell, J.D. *et al.*
- WINGATE, D.L. & RUSSELL, R.I. Absorption abnormalities in coeliac disease 719
- WISE, M.E., DEFARES, J.G., GODFREY, S. & WOLF, ELIANA. Measurement of mixed venous  $PCO_2$  303
- WOLF, ELIANA, see Wise, M.E. *et al.*
- WOMERSLEY, J., BODDY, K., KING, PRISCILLA C. & DURNIN, J.V.G.A. A comparison of the fat-free mass of young adults estimated by anthropometry, body density and total body potassium content 469
- WOODHEAD, J.S., see Clarkson, E.M. *et al.*
- WRONG, O.M., see Down, P.F. *et al.*
- ZAAL, G.A., see Krauss, X.H. *et al.*
- ZUTTER, M., see Martin, R.R. *et al.*

## SUBJECT INDEX

- Absorption, of digoxin in the gastrointestinal tract BEERMANN, B., HELLSTRÖM, K. & ROSEN, A. 507-518
- Absorption, of glycine, glycyglycine and glucose in the jejunum COOK, G.C. 443-453
- Acid response, effect of pentagstrin, insulin and vagotomy on, in duodenal ulcer patients ELDER, J.B., GILLESPIE, G., GILLESPIE, I.E., CREAN, G.P., KAY, A.W. & CAMPBELL, E.H.G. 201-207
- Adrenal insufficiency, effect of, on exchangeable electrolytes SKRABAL, F., ARNOT, R.N., JOPLIN, G.F. & FRASER, T.R. 79-90
- Adrenergic nervous system, role of the, in the regulation of plasma renin activity CUCHE, J.L., KUCHEL, O., BARBEAU, A., BOUCHER, R. & GENEST, J. 481-491
- Adrenergic stimulation, effect of, on renal sodium reabsorption in dog kidney BLENDIS, L.M., AULD, R.B., ALEXANDER, E.A. & LEVINSKY, N.G. 569-576
- Airway closure, and hypoxaemia after upper abdominal surgery ALEXANDER, J.I., HORTON, P.W., MILLAR, N.T., PARIKH, R.K. & SPENCE, A.A. 137-141
- Airways obstruction, peripheral, in smokers MARTIN, R.R., ANTHONISEN, N.R. & ZUTTER, M. 319-329
- Albumin, metabolism of, in paraplegic and tetraplegic patients RANLØV, P., ROSSING, N., SCHWARTZ, M., ESKESEN, B. & RASMUSSEN, G. 639-644
- Aldosteronism, and the faecal sodium/potassium ratio in hypertension in the rat SWALES, J.D., THURSTON, H., QUEIROZ, F.P. & TANGE, J.D. 577-581
- Alkalosis, sodium transport in the erythrocyte during LEVIN, M.L., RECTOR, F.C., JR & SELDIN, D.W. 251-263
- Aluminium hydroxide, effect of, on parathyroid hormone concentration and mineral balance in chronic renal failure CLARKSON, E.M., LUCK, V.A., HYNSON, W.V., BAILEY, R.R., EASTWOOD, J.B., WOODHEAD, J.S., CLEMENTS, V.R., O'RIORDAN, J.L.H. & DE WARDENER, H.E. 519-531
- Amino acids, transport of, in the intestine, and cystinuria HELLIER, M.D., HOLDSWORTH, C.D., PERRETT, D. & THIRUMALAI, C. 659-668
- p*-Aminohippurate extraction, and renal haemodynamics VELASQUEZ, M.T., NOTARGIACOMO, A.V. & COHN, J.N. 401-411
- Ammonia, colonic absorption of, by non-ionic diffusion DOWN, P.F., AGOSTINI, L., MURISON, J. & WRONG, O.M. 101-114
- Angiotensin, effect of, on natriuresis in the rabbit HEALEY, J.K. & ELLIOTT, A.J. 355-370
- Angiotensin I, site of conversion of OSBORN, E.C., TILDESLEY, G. & PICKENS, P.T. 839-849
- Angiotensin II, measurement of effects and amount of, in veins and arteries OELKERS, W., DÜSTERDIECK, G. & MORTON, J.J. 209-218
- Antibactericidal factor, in serum of two patients with upper urinary tract infection TAYLOR, P.W. 23-30
- Aortic intima, porcine, movement of sodium and cholesterol across EDWARDS, I.R. & SMITH, S.A. 133-136
- Asthma, provoked, lung function in CADE, J.F. & PAIN, M.C.F. 759-769

- Atheroma and hypertension, and movement of substances across aortic intima EDWARDS, I.R. & SMITH, S.A. 133-136
- Atraumatic technique, use of, for measurement of cerebral mean transit-time WILKINSON, I.M.S., GODDARD, J., TESTA, H.J. & PULLEN, B. 477-480
- Bactericidal activity, of serum in patients with urinary tract infections GOWER, P.E., TAYLOR, P.W., KOUTSAIMANIS, K.G. & ROBERTS, A.P. 13-22
- Bactericidal factor, serum, and urinary tract infection TAYLOR, P.W. 705-708
- Baroreflexes, action of L-dopa on, in Parkinsonism REID, J.L., CALNE, D.B., GEORGE, C.F. & VAKIL, S.D. 851-859
- Baroreflexes, effect of long-term haemodialysis on PICKERING, T.G., GRIBBIN, B. & OLIVER, D.O. 645-657
- Biliary excretion of vitamin D and its metabolites MAWER, E.B., BACKHOUSE, J., HOLMAN, C.A., LUMB, G.A. & STANBURY, S.W. 413-431
- Blood groups, incompatibility of, between mother and foetus CLARK, C.A. 1-11
- Bone, histology of, studied by use of a computer program GARRICK, R., DOMAN, P. & POSEN, J. 789-797
- Bone, influence of diphosphonates on resorption and formation of, in the rat GASSER, A.B., MORGAN, D.B., FLEISCH, H.A. & RICHELLE, L.J. 31-45
- Bronchial submucosal secretion, effect of drugs and disease on STURGESS, J. & REID, L. 533-543
- Bronchitis, chronic, sympathetic activity in ASTIN, T.W. 881-889
- Bronchitis, simple chronic, inspiratory flow rate and ventilation distribution in HUGHES, J.M.B., GRANT, B.J.B., GREENE, R.E., ILIFF, L.D. & MILIC-EMILI, J. 583-595
- Calcification *in vitro*, inhibition of, by inositol phosphates and phytic acid VAN DEN BERG, C.J., HILL, L.F. & STANBURY, S.W. 377-383
- Calcitonin, cause of an initial increase in plasma calcium CANIGGIA, A., GENNARI, C., PIANTELLI, F. & VATTIMO, A. 171-180
- Calcium, bone, effect of parathyroid hormone on uptake and release of ROBERTSON, W.G., PEACOCK, M., ATKINS, D. & WEBSTER, L.A. 715-718
- Calcium, intake and excretion of, in normal and renal-stone-forming subjects MARSHALL, R.W., COCHRAN, M. & HODGKINSON, A. 91-99
- Calcium, plasma, effect of calcitonin on the concentration of CANIGGIA, A., GENNARI, C., PIANTELLI, F. & VATTIMO, A. 171-180
- Calcium, total body content of, measured by neutron activation analysis of patients with hyperparathyroidism HOSKING, D.J., CHAMBERLAIN, M.J. & FREMLIN, J.H. 627-637
- Calcium metabolism, influence of diphosphonates on, in the rat GASSER, A.B., MORGAN, D.B., FLEISCH, H.A. & RICHELLE, L.J. 31-45
- Caloric intake, effect of, on nitrogen balance during chronic renal failure HYNE, B.E.B., FOWELL, E. & LEE, H.A. 679-688
- Capillary diffusion capacity, in chronic renal insufficiency ROZTOČIL, K., PŘEROVSKÝ, I. & NOVÁK, P. 545-552

- Carbenoxolone absorption, in patients with gastric ulcers PARKE, D.V., HUNT, T.C. & IVESON, P. 393-400
- Carbohydrates, dietary, and serum lipid concentrations MACDONALD I. 265-274
- Carbon dioxide, ventilatory response to, in normal subjects REBUCK, A.S., JONES, N.L. & CAMPBELL, E.J.M. 861-867
- Carbon dioxide pressure, mixed venous, correspondence about methods of measuring WISE M.F., DEFARES, J.G., GODFREY, S. & WOLF, E. 303-307
- Carbon dioxide titration curves of mixed venous blood KAPPAGODA, C.T., STOKER, J.B., SNOW, H.M. & LINDEN, R.J. 553-559
- Cardiac output, response of, to hyperosmotic saline during  $\beta$ -adrenergic blockade in hypertension KRAUSS, X.H., SCHALEKAMP, M.A.D.H., KOLSTERS, G., ZAAL, G.A. & BIRKENHÄGER, W.H. 385-391
- Catecholamines, effect of, on the regulation of plasma renin activity CUCHE, J.L., KUCHEL, O., BARBEAU, A., BOUCHER, R. & GENEST, J. 481-491
- Catecholamines, effect of, on venous constriction in the hand COLLIER, J.G., NACHEV, C. & ROBINSON, B.F. 455-467
- Cell migration rate, effect of intestinal by-pass on GLEESON, M.H., CULLEN, J. & DOWLING, R.H. 731-742
- Cerebral mean transit-time, measurement of by atraumatic technique WILKINSON, I.M.S., GODDARD, J., TESTA, H.J. & PULLEN, B. 477-480
- Children, measurement of static compliance in MILNER, A.D., HULL, D., HATCH, D.J. & COGSWELL, J.J. 689-694
- Chlorpromazine, disappearance and cerebral effects of, in cirrhosis MAXWELL, J.D., CARRELLA, M., PARKES, J.D., WILLIAMS, R., MOULD, G.P. & CURRY, S.H. 143-151
- Cholecalciferol, and vitamin D distribution and storage MAWER, E.B., BACKHOUSE, J., HOLMAN, C.A., LUMB, G.A. & STANBURY, S.W. 413-431
- Cholesterol, movement of, across porcine aortic intima EDWARDS, I.R. & SMITH, S.A. 133-136
- Circadian rhythm, of thyroid stimulating hormone and growth hormone PATEL, Y.C., ALFORD, F.P. & BURGER, H.G. 71-77
- Cirrhosis, disappearance and cerebral effects of chlorpromazine in MAXWELL, J.D., CARRELLA, M., PARKES, J.D., WILLIAMS, R., MOULD, G.P. & CURRY, S.H. 143-151
- Coeliac disease, correspondence about absorption abnormalities in WINGATE, D.L. & RUSSELL, R.I. 719-722
- Colon, human, excluded, water and electrolyte transport by BOWN, R.L., SLADEN, G.E., ROUSSEAU, B., GIBSON, J.A., CLARKE, M.L. & DAWSON, A.M. 891-902
- Colonic absorption of ammonia by non-ionic diffusion DOWN, P.F., AGOSTINI, L., MURISON, J. & WRONG, O.M. 101-114
- Compliance, static, measurement of, in children MILNER, A.D., HULL, D., HATCH, D.J. & COGSWELL, J.J. 689-694
- Copper, absorption of, in Wilson's disease STRICKLAND, G.T., BECKNER, W.M. & LEU, M.-L. 617-625
- Copper, turnover of, in Wilson's disease STRICKLAND, G.T., BECKNER, W.M., LEU, M.-L. & O'REILLY, S. 605-615
- Cortical transit time, and *p*-aminohippurate extraction VELASQUEZ, M.T., NOTARGIACOMO, A.V. & COHN, J.N. 401-411

- Cortisol deficiency syndrome, and exchangeable electrolytes SKRABAL, F., ARNOT, R.N., JOPLIN, G.F. & FRASER, T.R. 79-90
- Crystalluria, calcium oxalate, and inhibitors of crystallization in recurrent renal stone-formers ROBERTSON, W.G. & PEACOCK, M. 499-506
- Cyanocobalamin, factors affecting absorption of ADAMS, J.F., CLOW, D.J., ROSS, S.K., BODDY, K., KING, P. & MAHAFFY, M.A. 233-250
- Cystinuria, and amino acid absorption in the intestine HELLIER, M.D., HOLDSWORTH, C.D., PERRETT, D. & THIRUMALAI, C. 659-668
- Diazoxide, effect of, on sodium conservation in chronic renal failure SWALES, J.D., THURSTON, F.H. & POHL, J.E.F. 771-778
- Digoxin, absorption of, in the gastrointestinal tract BEERMANN, B., HELLSTRÖM, K. & ROSÉN, A. 507-518
- Dipeptides, absorption of, in the intestine and cystinuria HELLIER, M.D., HOLDSWORTH, C.D., PERRETT, D. & THIRUMALAI, C. 659-668
- Dipeptides, uptake of, by rat small intestine *in vitro* BURSTON, D., ADDISON, J.M. & MATTHEWS, D.M. 823-827
- Diphosphosphonates, influence of, on calcium metabolism in the rat GASSER, A.B., MORGAN, D.B., FLEISCH, H.A. & RICHELLE, L.J. 31-45
- Diuresis, mannitol induced, effect of, on renal excretion of  $\text{HCO}_3^-$  and  $\text{H}^+$  POOLE-WILSON, P.A., PATRICK, J., MACGREGOR, G.A. & JONES, N.F. 561-567
- L-Dopa action of, on baroreflexes in Parkinsonism REID, J.L., CALNE, D.B., GEORGE, C.F. & VAKIL, S.D. 851-859
- Duodenal ulcer patients, acid dose-response to pentagastrin in ELDER, J.B., GILLESPIE, G., CAMPBELL, E.H.G., GILLESPIE, I.E., CREAN, G.P. & KAY, A.W. 181-191
- Electrolyte disorders, sodium transport in, the erythrocyte in LEVIN, M.L., RECTOR, F.C., JR & SELDIN, D.W. 251-263
- Electrolytes, transport of, by the excluded human colon BOWN, R.L., SLADEN, G.E., ROUSSEAU, B., GIBSON, J.A., CLARKE, M.L. & DAWSON, A.M. 891-902
- Endotoxin, from *Borrelia* and the Jarisch-Herxheimer reaction BRYCESON, A.D.M., COOPER, K.E., WARRELL, D.A., PERINE, P.L. & PARRY, E.H.O. 343-354
- Erythrocyte, sodium transport in the LEVIN, M.L., RECTOR, F.C., JR & SELDIN, D.W. 251-263
- Erythrocytes, sodium content of, regulated by external [bicarbonate]/[chloride] ratio NEEDLE, M.A., SHAPIRO, W., VISWANATHAN, V. & SEMAR, M. 311-318
- Ethics, in human experimentation 309
- Exchangeable electrolytes, effect of glucocorticoid withdrawal on SKRABAL, F., ARNOT, R.N., JOPLIN, G.F. & FRASER, T.R. 79-90
- Exercise, effect of, on proximal tubule function POORTMANS, J.R. 115-120
- Exercise, ventilatory response to, in normal subjects REBUCK, A.S., JONES, N.L. & CAMPBELL, E.J.M. 861-867
- Experimentation, human, ethics in 309
- Extracellular fluid volume, effect of propranolol on, during hypertension SEDBERG-OLSEN, P. & IBSEN, H. 165-170

- Faecal sodium/potassium ratio, and aldosteronism in hypertension in the rat SWALES, J.D., THURSTON, H., QUEIROZ, F.P. & TANGE, J.D. 577-581
- Fat-free mass, measurement of, by different methods WOMERSLEY, J., BODDY, K., KING, P.C. & DURIN, J.V.G.A. 469-475
- Fats, dietary, and serum lipid concentrations MACDONALD, I. 265-274
- Folate, subcellular localization of, in guinea-pig liver CORROCHER, R. & HOFFBRAND, A.V. 815-822
- Folic acid, effect of methotrexate on incorporation of, into guinea-pig liver folate CORROCHER, R. & HOFFBRAND, A.V. 815-822
- Folic acid, formation of pteroylpolyglutamates from, in guinea-pig liver CORROCHER, R., BHUYAN, B.K. & HOFFBRAND, A.V. 799-813
- Frusemide, effect of, on ventilatory response to CO<sub>2</sub> IFF, H.W. & FLENLEY, D.C. 47-54
- Gastric acid secretion, in duodenal ulcer patients, and pentagastrin ELDER, J.B., GILLESPIE, G., CAMPBELL, E.H.G., GILLESPIE, I.E., CREAN, G.P. & KAY, A.W. 181-191
- Gastric ulcers, absorption of carbenoxolone in patients with PARKE, D.V., HUNT, T.C. & IVESON, P. 393-400
- Gastrointestinal absorption of digoxin BEERMANN, B., HELLSTRÖM, K. & ROSÉN, A. 507-518
- Glucagon, pancreatic, role of, in pathogenesis of pancreatitis DAY, J.L., NIGHT, M. & CONDON, J.R. 597-603
- Glucose, effect of, on absorption of glycine and glycyglycine in the jejunum COOK, G.C. 443-453
- Glycine and glycyglycine, effect of glucose on absorption of, in the jejunum COOK, G.C. 443-453
- $\beta$ -Glycyrrhetyl-3-hemisuccinate (carbenoxolone) absorption, in patients with gastric ulcers PARKE, D.V., HUNT, T.C. & IVESON, P. 393-400
- Growth hormone, circadian rhythm of, in plasma PATEL, Y.C., ALFORD, F.P. & BURGER, H.G. 71-77
- Haemodialysis, long-term, effect of, on baroreflexes PICKERING, T.G., GRIBBIN, B. & OLIVER, D.O. 645-657
- Hepatic uptake of copper, in Wilson's disease STRICKLAND, G.T., BECKNER, W.M., LEU, M.-L. & O'REILLY, S. 605-615
- Homeostasis, volume, natriuresis and immersion in water EPSTEIN, M., DUNCAN, D.C. & FISHMAN, L.M. 275-287
- Homocystine, effect of, on incorporation of inorganic sulphate into rat cartilage, and homocystinuria DEHNEL, J.M. & FRANCIS, M.J.O. 903-906
- Hyperparathyroidism, measurement of total body calcium in, by neutron activation analysis HOSKING, D.J., CHAMBERLAIN, M.J. & FREMLIN, J.H. 627-637
- Hyperparathyroidism, use of bone histology in assessment of GARRICK, R., DOMAN, P. & POSEN, J. 789-797
- Hypertension, effect of  $\beta$ -adrenergic blockade on haemodynamic responses to hyperosmotic saline during KRAUSS, X.H., SCHALEKAMP, M.A.D.H., KOLSTERS, G., ZAAL, G.A. & BIRKENHÄGER, W.H. 385-391

- Hypertension, effect of propranolol on plasma volume and extracellular fluid volume during  
SEDBERG-OLSEN, P. & IBSEN, H. 165-170
- Hypertension, faecal sodium/potassium ratio and aldosteronism in the rat in SWALES, J.D.,  
THURSTON, H., QUEIROZ, F.P. & TANGE, J.D. 577-581
- Hypertension, irradiation, sodium turnover in ERMEL, A.E. 219-232
- Hypertension and atheroma, and movement of substances across aortic intima EDWARDS,  
I.R. & SMITH, S.A. 133-136
- Hypocapria, cerebral mean transit-time during WILKINSON, I.M.S., GODDARD, J., TESTA,  
H.J. & PULLEN, B. 477-480
- Hypoxaemia, and airway closure after upper abdominal surgery ALEXANDER, J.I., HORTON,  
P.W., MILLAR, W.T., PARIKH, R.K. & SPENCE, A.A. 137-141
- Immersion, in water, and natriuresis EPSTEIN, M., DUNCAN, D.C. & FISHMAN, L.M. 275-  
287
- Immune capacity, humoral, in tropical splenomegaly CRANE, G.G., ROWLEY, M.J.,  
WARBURTON, M.F. & MACKAY, I.R. 869-879
- Immunoglobulins, serum, concentrations of, and lupus erythematosus ALARCÓN-SEGOVIA,  
D. & FISHBEIN, E. 121-131
- Immunoreactive material, venous, as a measure of angiotensin II OELKERS, W., DÜSTER-  
DIECK, G. & MORTON, J.J. 209-218
- Inositol phosphates and phytic acid, as inhibitors of calcification *in vitro* VAN DEN BERG,  
C.J., HILL, L.F. & STANBURY, S.W. 377-383
- Inspiratory flow rate, and ventilation distribution in normal subjects and inpatients with simple  
chronic bronchitis HUGHES, J.M.B., GRANT, B.J.B., GREENE, R.E., ILIFF, L.D. &  
MILIC-EMILI, J. 583-595
- Insulin, acid response to, in duodenal ulcer patients, and effect of sub-threshold doses of  
pentagastrin ELDER, J.B., GILLESPIE, G., GILLESPIE, I.E., CREAN, G.P., KAY, A.W. &  
CAMPBELL E.H.G. 201-207
- Intestinal by-pass in the rat, effect of, on cell turnover, intestinal morphology and glucose  
absorption GLEESON, M.H., CULLEN, J. & DOWLING, R.H. 731-742
- Intestinal by-pass in the rat, effect of, on mucosal enzyme activities and mucosal DNA and  
RNA content GLEESON, M.H., DOWLING, R.H. & PETERS, T.J. 743-757
- Intestinal glucose absorption, effect of intestinal by-pass on GLEESON, M.H., CULLEN, J.  
& DOWLING, R.H. 731-742
- Intestinal morphology, effect of intestinal by-pass on GLEESON, M.H., CULLEN, J. & DOWLING,  
R.H. 731-742
- Intraluminal nutrition, influence of, on cell turnover, intestinal morphology and glucose  
absorption GLEESON, M.L., CULLEN, J. & DOWLING, R.H. 731-742
- Jarisch-Herxheimer reaction, in louse-borne relapsing fever BRYCESON, A.D.M., COOPER,  
K.E., WARRELL, D.A., PERINE, P.L. & PARRY, E.H.O. 343-354
- Jejunum, absorption of glycine, glycyglycine and glucose in COOK, G.C. 443-453

- Lipid concentrations, in serum, and dietary fats and carbohydrates MACDONALD, I. 265-274
- Louse-borne relapsing fever, endotoxins and the Jarisch-Herxheimer reaction BRYCESON, A.D.M., COOPER, K.E., WARRELL, D.A., PERINE, P.L. & PARRY, E.H.O. 343-354
- Lung function, in provoked asthma CADE, J.F. & PAIN, M.C.F. 759-769
- Lupus erythematosus, and serum immunoglobulin concentrations ALARCÓN-SEGOVIA, D. & FISHBEIN, E. 121-131
- Magnesium concentration in haemodialysis fluid, and treatment of chronic renal failure HEIERLI, CH. & HILL, A.V.L. 779-787
- Magnesium depletion, effect of, on urine concentration SUH, S.M. & SELLORS, J. 723-729
- Membrane permeability of erythrocytes, the external [bicarbonate]/[chloride] ratio, and regulation of erythrocyte sodium content NEEDLE, M.A., SHAPIRO, W., VISWANATHAN, V. & SEMAR, M. 311-318
- Methotrexate, effect of, on incorporation of folic acid into guinea-pig liver folate CORROCHER, R. & HOFFBRAND, A.V. 815-822
- Mineral balance, effect of aluminium hydroxide on, in chronic renal failure CLARKSON, E.M., LUCK, V.A., HYNSON, W.V., BAILEY, R.R., EASTWOOD, J.B., WOODHEAD, J.S., CLEMENTS, V.R., O'RIORDAN, J.L.H. & DE WARDENER, H.E. 519-531
- Mixed venous blood, carbon dioxide titration curves of KAPPAGODA, C.T., STOKER, J.B., SNOW, H.M. & LINDEN, R.J. 553-559
- Mucosal DNA and RNA content, after intestinal by-pass in the rat GLEESON, M.H., DOWLING, R.H. & PETERS, T.J. 743-757
- Mucosal enzymes, activities of, after intestinal by-pass in the rat GLEESON, N.H., DOWLING, R.H. & PETERS, T.J. 743-757
- Myeloma, multiple, effect of calcitonin on plasma calcium during CANIGGIA, A., GENNARI, C., PIANTELLI, F. & VITTIMO, A. 171-180
- Natriuresis, caused by immersion in water EPSTEIN, M., DUNCAN, D.C. & FISHMAN, L.M. 275-287
- Natriuresis, effect of angiotensin on, in the rabbit HEALEY, J.K. & ELLIOTT, A.J. 355-370
- Neutron activation analysis, for measurement of total body calcium in hyperparathyroidism HOSKING, D.J., CHAMBERLAIN, M.J. & FREMLIN, J.H. 627-637
- Nitrogen balance, effect of caloric intake on, during chronic renal failure HYNE, B.E.B., FOWELL, E. & LEE, H.A. 679-688
- Obesity, adrenocortical activity in developed HANKIN, M.E., THEILE, H.M. & STEINBECK, A.W. 289-298
- Osteoporosis and osteomalacia, definition of, by quantitative histological criteria GARRICK, R., DOMAN, C.P. & POSEN, J. 789-797
- Oxalate, intake and excretion of, in normal and renal-stone-forming subjects MARSHALL, R.W., COCHRAN, M. & HODGKINSON, A. 91-99
- Paget's disease, effect of calcitonin on plasma calcium during CANIGGIA, A., GENNARI, C., PIANTELLI, F. & VATTIMO, A. 171-180

- Pancreatitis, role of pancreatic glucagon in pathogenesis of DAY, J.L., NIGHT, M. & CONDON, J.R. 597-603
- Paraplegia, metabolism of albumin in patients with RANLØV, P., ROSSING, N., SCHWARTZ, M., ESKESEN, B. & RASMUSSEN, G. 639-644
- Parathyroid hormone, effect of, on uptake and release of bone calcium ROBERTSON, W.G., PEACOCK, M., ATKINS, D. & WEBSTER, L.A. 715-718
- Parathyroid hormone, effect of aluminium hydroxide on the concentration of, in chronic renal failure CLARKSON, E.M., LUCK, V.A., HYNSON, W.V., BAILEY, R.R., EASTWOOD, J.B., WOODHEAD, J.S., CLEMENTS, V.R., O'RIORDAN, J.L.H. & DE WARDENER, H.E. 519-531
- Parkinsonism, action of L-dopa on baroreflexes in REID, J.L., CALNE, D.B., GEORGE, C.F. & VAKIL, S.D. 851-859
- Pentagastrin, acid dose—response to, in duodenal ulcer patients ELDER, J.B., GILLESPIE, G., CAMPBELL, E.H.G., GILLESPIE, I.E., CREAN, G.P. & KAY, A.W. 181-191
- Pentagstrin, effect of sub-threshold doses of, on acid response to insulin in duodenal ulcer subjects before and after vagotomy ELDER, J.B., GILLESPIE, G., GILLESPIE, I.E., CREAN, G.P., KAY, A.W. & CAMPBELL, E.H.G. 201-207
- Pentagastrin, effect of vagotomy on acid dose-response to ELDER, J.B., GILLESPIE, G., CAMPBELL, E.H.G., GILLESPIE, I.E., CREAN, G.P. & KAY, A.W. 193-200
- Peptide absorption, by active transport in hamster jejunum ADDISON, J.M., BURSTON, D. & MATTHEWS, D.M. 907-911
- Peritoneal dialysis, for support of respiratory insufficiency in rabbits BERAN, A.V. & TAYLOR, W.F. 695-703
- Pernicious anaemia, factors affecting absorption of vitamin B<sub>12</sub> in ADAMS, J.F., CLOW, D.J., ROSS, S.K., BODDY, K., KING, P. & MAHAFFY, M.A. 233-250
- Phenacetin and its metabolites, effect of vasopressin on tubular reabsorption of BARRACLOUGH, M.A. 709-713
- Phenols, volatile, in serum of uraemic patients WENGLE, B. & HELLSTRÖM, K. 493-498
- Phytic acid and inositol phosphate, as inhibitors of calcification *in vitro* VAN DEN BERG, C.J., HILL, L.F. & STANBURY, S.W. 377-383
- Pituitary insufficiency, effect of, on exchangeable electrolytes SKRABAL, F., ARNOT, R.N., JOPLIN, G.F. & FRASER, T.R. 79-90
- Plasma angiotensin II concentration, arterial, as a measure of angiotensin II OELKERS, W., DÜSTERDIECK, G. & MORTON, J.J. 209-218
- Porphyrin-peptide complex, amount of, in faeces of patients with porphyria MOORE, M.R., THOMPSON, G.G. & GOLDBERG, A. 299-302
- Potassium, comparison of total exchangeable, with leucocyte and erythrocyte potassium contents in uraemia PATRICK, J., JONES, N.F., BRADFORD, B. & GAUNT, J. 669-678
- Potassium excretion, and the effects of immersion in water EPSTEIN, M., DUNCAN, D.C. & FISHMAN, L.M. 275-287
- Pressor response, to angiotensin I and II OSBORN, E.C., TILDESLEY, G. & PICKENS, P.T. 839-849
- Propranolol, effect of, on plasma volume and extracellular fluid volume during hypertension SEDBERG-OLSEN, P. & IBSEN, H. 165-170
- Protein absorption, intestinal, mechanism of BURSTON, D., ADDISON, J.M. & MATTHEWS, D.M. 823-827

- Protein-deficient diet, effect of, on urea-cycle enzymes and transaminases BROWN, C.L., HOUGHTON, B.J., SOUHAMI, R.L. & RICHARDS, P. 371-376
- Proximal tubule function, effect of exercise on POORTMANS, J.R. 115-120
- Pteroylpolyglutamates, composition of, in guinea-pig liver, and their formation from folic acid CORROCHER, R., BHUYAN, B.K. & HOFFBRAND, A.V. 799-813
- Pulmonary infiltrations and fibrosis, effect of, on ventilatory response to CO<sub>2</sub> PATTON, J.M.S. & FREEMAN, S. 55-69
- Pyrazinamide suppression test, for reabsorption and secretion of uric acid in the renal tubule DANOVITCH, G.M., WEINBERGER, J. & BERLYNE, G.M. 331-341
- Renal blood flow, and *p*-aminohippurate extraction VELASQUEZ, M.T., NOTARGIACOMO, A.V. & COHN, J.N. 401-411
- Renal clearance of amylase and lysozyme, and effect of exercises on proximal tubule function POORTMANS, J.R. 115-120
- Renal excretion of HCO<sub>3</sub><sup>-</sup> and H<sup>+</sup>, effect of mannitol diuresis on POOLE-WILSON, P.A., PATRICK, J., MACGREGOR, G.A. & JONES, N.F. 561-567
- Renal failure, advanced chronic, secretion of uric acid in DANOVITCH, G.M., WEINBERGER, J. & BERLYNE, G.M. 331-341
- Renal failure, capillary diffusion capacity in ROZTOČIL, K., PŘEROVSKÝ, I. & NOVÁK, P. 545-552
- Renal failure, chronic, and magnesium concentration of haemodialysis fluid HEIERLI, CH. & HILL, A.V.L. 779-787
- Renal failure, chronic, effect of aluminium hydroxide on parathyroid hormone concentration and mineral balance in CLARKSON, E.M., LUCK, V.A., HYNSON, W.V., BAILEY, R.R., EASTWOOD, J.B., WOODHEAD, J.S., CLEMENTS, V.R., O'RIORDAN, J.L.H. & DE WARDENER, H.E. 519-531
- Renal failure, chronic, effect of caloric intake on nitrogen balance during HYNE, B.E.B., FOWELL, E. & LEE, H.A. 679-688
- Renal failure, effect of diazoxide on sodium conservation during SWALES, J.D., THURSTON, F.H. & POHL, J.E.F. 771-778
- Renal papillary necrosis, mechanism by which phenacetin and its metabolites cause BARRACLOUGH, M.A. 709-713
- Renal stone formation, and inhibitors of crystallization in calcium oxalate crystalluria ROBERTSON, W.G. & PEACOCK, M. 499-506
- Renal stone formation, and urinary calcium concentration MARSHALL, R.W., COCHRAN, M., ROBERTSON, W.G., HODGKINSON, A. & NORDIN, B.E.C. 433-441
- Renal-stone-forming subjects, relation between dietary intake and urinary excretion of calcium and oxalate in MARSHALL, R.W., COCHRAN, M. & HODGKINSON, A. 91-99
- Renin, activity in plasma, and the adrenergic nervous system CUCHE, J.L., KUCHEL, O., BARBEAU, A., BOUCHER, R. & GENEST, J. 481-491
- Respiratory function, in smokers and non-smokers MARTIN, R.R., ANTHONISEN, N.R. & ZUTTER, M. 319-329
- Respiratory insufficiency, support of, in rabbits by peritoneal dialysis BERAN, A.V. & TAYLOR, W.F. 695-703

- Saline load, haemodynamic responses to, in  $\beta$ -adrenergic blockade during hypertension  
KRAUSS, X.H., SCHALEKAMP, M.A.D.H., KOLSTERS, G., ZAAL, G.A. & BIRKENHÄGER,  
W.H. 385-391
- Secretion, bronchial submucosal, effect of drugs and disease on STURGESS, J. & REID, L.  
533-543
- Smokers, measurement of respiratory function in MARTIN, R.R., ANTHONISEN, N.R. &  
ZUTTER, M. 319-329
- Sodium, conservation of, during chronic renal failure SWALES, J.D., THURSTON, F.H. &  
POHL, J.E.F. 771-778
- Sodium, movement of, across porcine aortic intima EDWARDS, I.R. & SMITH, S.A. 133-136
- Sodium content of erythrocytes, regulation of by external [bicarbonate]/[chloride] ratio  
NEEDLE, M.A., SHAPIRO, W., VISWANATHAN, V. & SEMAR, M. 311-318
- Sodium reabsorption in dog kidney, effect of adrenergic stimulation BLENDIS, L.M., AULD,  
R.B., ALEXANDER, E.A. & LEVINSKY, N.G. 569-576
- Sodium transport, in the erythrocyte LEVIN, M.L., RECTOR, F.C., JR & SELDIN, D.W. 251-  
263
- Sodium turnover, in irradiation hypertension ERMEL, A.E. 219-232
- Splenomegaly, tropical, humoral immune response to CRANE, G.G., ROWLEY, M.J., WAR-  
BURTON, M.F. & MACKAY, I.R. 869-879
- Steroids, excretion of, in developed obesity HANKIN, M.E., THEILE, H.M. & STEINBECK,  
A.W. 289-298
- Sulphate, inorganic, effect of homocystine on incorporation of, into rat cartilage DEHNEL,  
J.M. & FRANCIS, M.J.O. 903-906
- Surgery, upper abdominal, effect of, on airway closure ALEXANDER, J.I., HORTON, P.W.,  
MILLAR, W.T., PARIKH, R.K. & SPENCE, A.A. 137-141
- Sympathetic activity, bronchial, in chronic bronchitis ASTIN, T.W. 881-889
- Tetraplegia, metabolism of albumin in patients with RANLØV, P., ROSSING, N., SCHWARTZ,  
M., ESKESON, B. & RASMUSSEN, G. 639-644
- Thiamine chloride, mechanism of intestinal absorption of, in man THOMSON, A.D. & LEEVY,  
C.M. 153-163
- Thoracic volume changes, measurement of, in children MILNER, A.D., HULL, D., HATCH,  
D.J. & COGSWELL, J.J. 689-694
- Thyroid stimulating hormone, circadian rhythm of, in plasma PATEL, Y.C., ALFORD, F.P.  
& BURGER, H.G. 71-77
- Transaminases, effect of low-protein diet and uraemia on BROWN, C.L., HOUGHTON, B.J.,  
SOUHAMI, R.L. & RICHARDS, P. 371-376
- Transport, active, of glycylsarcosine by hamster intestine ADDISON, J.M., BURSTON, D. &  
MATTHEWS, D.M. 907-911
- Uraemia, capillary permeability in ROZTOČIL, K., PŘEROVSKÝ, I. & NOVÁK, P. 545-552
- Uraemia, comparison of total exchangeable potassium and leucocyte and erythrocyte potassium  
in PATRICK, J., JONES, N.F., BRADFORD, B. & GAUNT, J. 669-678
- Uraemia, effect of, on urea-cycle enzymes and transaminases BROWN, C.L., HOUGHTON,  
B.J., SOUHAMI, R.L. & RICHARDS, P. 371-376

- Uraemia, volatile, phenols in serum of patients with WENGLER, B. & HELLSTRÖM, K. 493-498
- Urea, as an agent for provoking asthma CADE, J.F. & PAIN, M.C.F. 759-769
- Urea-cycle enzymes, effect of low-protein diet and uraemia on BROWN, C.L., HOUGHTON, B.J., SOUHAMI, R.L. & RICHARDS, P. 371-376
- Uric acid, excretion of, in advanced chronic renal failure DANOVITCH, G.M., WEINBERGER, J. & BERLYNE, G.M. 331-341
- Urinary calcium concentration, and renal stone formation MARSHALL, R.W., COCHRAN, M., ROBERTSON, W.G., HODGKINSON, A. & NORDIN, B.E.C. 433-441
- Urinary tract infection, bactericidal activity of serum in patients with GOWER, P.E., TAYLOR, P.W., KOUTSAIMANIS, K.G. & ROBERTS, A.P. 13-22
- Urinary tract infection, isolation of serum antibactericidal factor in patients with TAYLOR, P.W. 705-708
- Urinary tract infection, upper, antibactericidal factor in serum of two patients with TAYLOR, P.W. 23-30
- Urine concentration, during magnesium depletion SUH, S.M. & SELLORS, J. 723-729
- Vagotomy, effect of, on acid dose-response to pentagastrin ELDER, J.B., GILLESPIE, G., CAMPBELL, E.H.G., GILLESPIE, I.E., CREAN, G.P. & KAY, A.W. 193-200
- Vasoactive substances, effects of, on hand-vein dilatation COLLIER, J.G., NACHEV, C. & ROBINSON, B.F. 455-467
- Vasopressin, effect of, on tubular reabsorption of phenacetin and its metabolites BARRACLOUGH, M.A. 709-713
- Ventilation distribution and inspiratory flow rate, in normal subjects and in patients with simple chronic bronchitis HUGHES, J.M.B., GRANT, B.J.B., GREENE, R.E., ILIFF, L.D. & MILIC-EMILI, J. 583-595
- Ventilatory response to CO<sub>2</sub>, effect of frusemide on IFF, H.W. & FLENLEY, D.C. 47-54
- Ventilatory response to CO<sub>2</sub>, in patients with pulmonary infiltrations of fibrosis PATTON, J.M.S. & FREEDMAN, S. 55-69
- Ventilatory response to CO<sub>2</sub> and exercise, in normal subjects REBUCK, A.S., JONES, N.L. & CAMPBELL, E.J.M. 861-867
- Vitamin B<sub>12</sub>, factors affecting absorption of ADAMS, J.F., CLOW, D.J., ROSS, S.K., BODDY, K., KING, P. & MAHAFFY, M.A. 233-250
- Vitamin D, distribution and storage in human tissues MAWER, E.B., BACKHOUSE, J., HOLMAN, C.A., LUMB, G.A. & STANBURY, S.W. 413-431
- Vitamin D intoxication, effect of phytic acid on calcification during VAN DEN BERG, C.J., HILL, L.F. & STANBURY, S.W. 377-383
- Water, transport of, by the excluded human colon BOWN, R.L., SLADEN, G.E., ROUSSEAU, B., GIBSON, J.A., CLARK, M.L. & DAWSON, A.M. 891-902
- Wilson's disease, absorption of copper in STRICKLAND, G.T., BECKNER, W.M. & LEU, M.-L. 617-625
- Wilson's disease, turnover of copper in STRICKLAND, G.T., BECKNER, W.M., LEU, M.-L. & O'REILLY, S. 605-615