## AUTHOR INDEX

**ADAMS, J.F., CLOW, D.J., ROSS, SHEILA K., BODDY, K., KING, PRISCILLA & MAHAFFY, MAUREEN A. Factors affecting the absorption of vitamin $B_{12}$**  
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 Cuche, 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., HELSTRÖM, K. & ROSEN, A. The absorption of orally administered $[12\alpha-\text{3H}]$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.***  

569  

**BODDY, K., see Adams, J.F. *et al.;* see also Womersley, J. *et al.***  

**BOUCHER, R., see Cuche, J.L. *et al.***  

891
Author index

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


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 Rebuck, 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

CARRERA, 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


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 glycylglycine 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
Author index

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.
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., 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.
EPISTEIN, 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 Ranlov, P. et al.
Author index

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
GAUNT, Judith, see Patrick, J. et al.
GENEST, J., see Cuche, 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
GLEESON, M.H., DOWLING, R.H. & PETERS, T.J. Biochemical changes in intestinal mucosa after experimental small bowel by-pass in the rat
GODFREY, S., see Wise, M.E. et al.
GOLDSBERG, 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
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
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
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
HELLIER, M.D., HOLIDSWORTH, C.D., PERRETT, D. & THIRUMALAI, C. Intestinal dipeptide transport in normal and cystinuric subjects
Author index

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

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
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
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 CO₂ after administration of frusemide in normal man
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 CO₂ titration curve of mixed venous blood
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.
Kuchel, O., see Cuche, J.L. et al.

Lee, H.A., see Hyne, B.E.B. et al.
Leevy, C.M., see Thomson, A.D. & Leevy, C.M.
Author index

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
MARTIN, R.R., ANTHONISEN, N.R. & ZUTTER, M. Flow dependence of the intrapulmonary distribution of inspired boluses of $^{133}$Xe in smokers and non-smokers 319
MATTHEWS, D.M., see Addison, Jill M. et al.; see also Burst, D. et al.
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 extracellular [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.
Author index

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 antihypertensive 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.


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, BERNICE & 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 CO2 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.


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.

RANLOV, P., ROSSING, N., SCHWARTZ, M., ESKESEN, B. & RASMUSSEN, G. Late hypoalbuminaemia and albumin metabolism in paraplegic and tetraplegic patients 639

RASMUSSEN, G., see Ranlov, P. et al.
Author index

REBUCK, A.S., JONES, N.L. & CAMPBELL, E.J.M. Ventilatory response to exercise and to CO₂ rebreathing in normal subjects 861
RECTOR, F.C., JR, see Levin, M.L. et al.
REID, LYNNE, see Sturgess, Jennifer & Reid, Lynne
RICHARDS, P., see Brown, C.L. et al.
RICHELLE, 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.
ROSZEN, A., see Beermann, B. et al.
ROSS, SHEILA K., see Adams, J.F. et al.
ROSSING, N., see Ranlov, 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 ¹³¹I 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 Ranlov, P. et al.
SEDERBERG-OLSEN, P. & IBSEN, H. Plasma volume and extracellular fluid volume during long-term treatment with propanolol 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 adreno-cortical insufficiency as investigated with ⁷⁷Br, ⁴³K, ²⁴Na and ³H₂O 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.
SOUMI, 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.
Author index

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 $^{67}$Cu and $^{64}$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 $^{67}$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. & SELIORS, 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. & HELSTRÖM, K. Volatile phenols in serum of uraemic patients 493
Author index

WILLIAMS, R., see Maxwell, J.D. et al.
WINGATE, D.L. & RUSSELL, R.I. Absorption abnormalities in coeliac disease 719
WISE, M.E., DÉFARES, J.G., GODFREY, S. & WOLF, ELIANA. Measurement of mixed venous P\textsubscript{CO2} 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.
Absorption, of digoxin in the gastrointestinal tract  BEERMANN, B., HELSTRÖM, K. & ROSEN, A.  507–518
Absorption, of glycine, glycylglycine and glucose in the jejunum  COOK, G.C.  443–453
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
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  RANLOV, 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
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
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

xiii
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 factor, serum, and urinary tract infection  TAYLOR, P.W.  705–708
Baroreflexes, effect of long-term haemodialysis on  PICKERING, T.G., GRIFFIN, B. & OLIVER, D.O.  645–657
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
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

Calcitonin, cause of an initial increase in plasma calcium  CANIGGIA, A., GENNARI, C., PIAUETTI, F. & VATTIMO, A.  171–180
Calcium, plasma, effect of calcitonin on the concentration of  CANIGGIA, A., GENNARI, C., PIAUETTI, 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
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
Subject index

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 pressure, mixed venous, correspondence about methods of measuring  WISE M.F., DAFARES, 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
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
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
Subject index


Crystalluria, calcium oxalate, and inhibitors of crystallization in recurrent renal stone-formers ROBERTSON, W.G. & PEACOCK, M. 499-506


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


Electrolyte disorders, sodium transport in, the erythrocyte in LEVIN, M.L., RECTOR, F.C., JR & SELDIN, D.W. 251-263


Endotoxin, from Borrelia and the Jarisch-Herxheimer reaction BRYCESON, A.D.M., KOENIG, V. & NISBET, D. 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


Exercise, effect of, on proximal tubule function POORTMANS, J.R. 115-120


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., Thurstong, H., Queiroz, F.P. & Tange, J.D.  577–581

Fat-free mass, measurement of, by different methods  

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 CO₂  
Iff, H.W. & Flenley, D.C.  47–54

Gastric acid secretion, in duodenal ulcer patients, and pentagastrin  

Gastric ulcers, absorption of carbenoxolone in patients with  
Parke, D.V., Hunt, T.C. & Iverson, P.  393–400

Gastrointestinal absorption of digoxin  

Glucagon, pancreatic, role of, in pathogenesis of pancreatitis  

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

β-Glycyrrhetyl-3-hemisuccinate (carbenoxolone) absorption, in patients with gastric ulcers  
Parke, D.V., Hunt, T.C. & Iverson, P.  393–400

Growth hormone, circadian rhythm of, in plasma  

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

Homocysteine, 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  

Hyperparathyroidism, use of bone histology in assessment of  
Garrick, R., Doman, P. & Posen, J.  789–797

Hypertension, effect of β-adrenergic blockade on haemodynamic responses to hyperosmotic saline during  
Hypertension, effect of propanolol 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


Immunoglobulins, serum, concentrations of, and lupus erythematosus ALARCÓN-SEGOVIA, D. & FISHER, E. 121–131

Immunoreactive material, venous, as a measure of angiotensin II OELKERS, W., DÜSTERDIECK, 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


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


Jejunum, absorption of glycine, glycylglycine and glucose in COOK, G.C. 443–453
Lipid concentrations, in serum, and dietary fats and carbohydrates  Macdonald, I. 265–274


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. & Sellers, 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


Mixed venous blood, carbon dioxide titration curves of  Kappagoda, C.T., Stoker, J.B., Snow, H.M. & Lindon, 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


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


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., Domam, C.P. & Posen, J. 789–797


Subject index

Pancreatitis, role of pancreatic glucagon in pathogenesis of  DAY, J.L., NIGHT, M. & CONDON, J.R. 597–603


Pentagastrin, 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


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


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


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

Propanolol, 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
Subject index

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 CO₂ 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 failure, advanced chronic, secretion of uric acid in DANOVITCH, G.M., WEINBERGER, J. & BERLYNE, G.M. 331–341
Renal clearance of amylase and lysozyme, and effect of exercises on proximal tubule function POORTMANS, J.R. 115–120
Renal function, chronic, effect of caloric intake on nitrogen balance during HYNE, B.E.B., FOWELL, E. & LEE, H.A. 679–688
Renal papillary necrosis, mechanism by which phenacetin and its metabolites cause BARRA-CLough, M.A. 709–713
Renal stone formation, and inhibitors of crystallization in calcium oxalate crystalluria ROBERTSON, W.G. & PEACOCK, M. 499–506
Respiratory function, in smokers and non-smokers MARTIN, R.R., ANTHONISSEN, 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


Secretion, bronchial submucosal, effect of drugs and disease on

STURGESS, J. & REID, L. 533–543

Smokers, measurement of respiratory function in


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


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


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


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


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 glycylysarcosine 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
Subject index

Uraemia, volatile, phenols in serum of patients with  WENGLE, B. & HELLSTRÖM, K. 493-498
Urea, as an agent for provoking asthma  CADE, J.F. & PAIN, M.C.F. 759-769
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, 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

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
Ventilatory response to CO₂, effect of frusemide on  IFF, H.W. & FLENLEY, D.C. 47-54
Ventilatory response to CO₂, in patients with pulmonary infiltrations of fibrosis  PATTON, J.M.S. & FREEDMAN, S. 55-69
Vitamin D intoxication, effect of phytic acid on calcification during  VAN DEN BERG, C.J., HILL, L.F. & STANBURY, S.W. 377-383

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