AUTHOR INDEX

ALLAM, B.F., see Kennedy, A.C. et al.
ALVESTRAND, A., see Bergström, J. et al.
ANGELIN, B., EINARSSON, K., HELSTRÖM, K. & KALLNER, M. Elimination of cholesterol in hyperlipoprotein-
aemia 393–397
ASATOOR, A.M., MILNE, M.D. & WALSHE, J.M. Urinary excretion of peptides and of hydroxyproline in
Wilson's disease 369–378
ASHCROFT, M.T., see Miller, G.J. et al.

BACHELARD, H.S. Nomogram for oxygen in gas mixtures at standard atmospheric pressure 203–204
BAJUSZ, E., see Dhalla, N.S. et al.
BARTOLI, E., see Conger, J.D. et al.
BASEY, E.J., FENTEM, P.H., MACDONALD, I.C. & SCRIVEN, P.M. Self-paced walking as a method for exercise
testing in elderly and young men 609–612
BERGSTROM, J., ALVESTRAND, A., FORST, P., HULTMAN, E., SAHLIN, K., VINNARS, E. & WIDSTRÖM, A. Influence
of severe potassium depletion and subsequent repletion with potassium on muscle electrolytes, metabolites
and amino acids in man 589–599
BISAZ, S., see Russell, R.G.G. et al.
BLOOM, S.R., see Thomson, J.P.S. & Bloom, S.R.
BODDY, K., LINDSAY, R., HOLLOWAY, I., SMITH, D.A.S., ELLIOW, A., ROBERTSON, I. & GLAROS, D. A study
of changes in whole-body calcium, phosphorus, sodium and nitrogen by neutron activation analysis in vivo
in rats on a calcium-deficient diet 399–402
BONE, J.M., VERTH, A. & LAMBIE, A.T. Intracellular acid–base heterogeneity in nucleated avian erythrocytes
189–196
people. I. The physiological dead-space volume 323–333
BRADLEY, G.W. & CRAWFORD, R. Regulation of breathing during exercise in normal subjects and in chronic
lung disease 575–582
BRAGO, E.L., KHOSLA, M.C. & BUMPUS, F.M. Differential effects of Asp1-angiotensin II and Sar1-angiotensin
II on vascular and adrenal receptors in the dog 41–45
BROWN, J.J., see Tree, M. et al.
BUCHANAN, W.W., see Kennedy, A.C. et al.
BUMPUS, F.M., see Bravo, E.L. et al.
BURKI, N.K. Effects of immersion in water and changes in intrathoracic blood volume on lung function in
man 303–311
BURKI, N.K. & DENT, M.C. The forced expiratory time as a measure of small airway resistance 53–58

CALARESU, F., see Stella, A. et al.
calcium, phosphorus and aluminium metabolism in normal subjects 407–414
CAMPBELL, E.J.M. Clinical Science: The Annual Lecture of the Medical Research Society: 12 December 1976
1–7
CANIGGIA, A., GENNARI, C., VATTIMO, A., NARDI, P. & NUTI, R. Indirect evidence of calcitonin secretion in
man 281–285
CHATT, A., see Lewis, B. et al.
CHAPMAN, B.J., see Withey, W.R. et al.
Author index

CHAPMAN, M.J., see Mills, G.L. et al.
CHHUTANI, P.N., see Datta, D.V. et al.
CLARKSON, M.J., HARDY-SMITH, A. & RICHARDS, T.G. Measurement of liver blood flow by means of a single injection of bromosulphthalein, without hepatic venous catheterization 141-150
CLIFTON-BLIGH, P. & GALTON, D.J. The esterification of exogenous fatty acids by adipose tissue of hypertriglyceridaemic subjects with or without diabetes mellitus 257-265
CONGER, J.D., BARTOLI, E. & EARLEY, L.E. A study in vivo of peritubular oncotic pressure and proximal tubular reabsorption in the rat 379-392
COPPIN, C.A., see Rawbone, R.G. et al.
CRAWFORD, G.P.M., OGSTON, D. & DOUGLAS, A.S. The contribution of plasma protease inhibitors to antiplasmin activity in man 215-218
CRAWFORD, R., see Bradley, G.W. & Crawford, R.

DATTI, D.V., SINGH, S., CHHUTANI, P.N. & NAIR, C.R. The role of small intestine and kidney in bromosulphthalein conjugation 601-604
DAVIES, R., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N. The response of arginine vasopressin and plasma renin to postural change in normal man, with observations on syncope 267-274
DELWICHE, F., see Verniory, A. et al.
DENT, M.C., see Burki, N.K. & Dent, M.C.
DE WARDENER, H.E., see Cam, J.M. et al.
DHALLA, N.S., SINGH, J.N., BAJUSZ, E. & JASMIN, G. Comparison of heart sarcolemmal enzyme activities in normal and cardiomyopathic (UM-X7.1) hamsters 233-242
DIAMOND, H., see Meisel, A. & Diamond, H.
DIRKS, J.H., see Sutton, R.A.L. et al.
DOUGLAS, A.S., see Crawford, G.P.M. et al.
DOWLING, R.H., see Elias, E. & Dowling, R.H.
DOWN, M.C., see England, J.M. et al.
DOWN, P.F., see Vince, A. et al.
DUVAL, D., see Gregory, M.C. et al.

EARLEY, L.E., see Conger, J.D. et al.
EASTWOOD, J.B., see Cam, J.M. et al.
EDMONDS, C.J., see Salas-Coll, C.A. et al.
EINARSSON, K., see Angelin, B. et al.
ELDER, G.H., EVANS, J.O. & MATLIN, S.A. The effect of the porphyrogenic compound, hexachlorobenzene, on the activity of hepatic uroporphyrinogen decarboxylase in the rat 71-80
ELLIOTT, A., see Boddy, K. et al.
EVANS, J.O., see Elder, G.H. et al.
EVERED, D.F., see Manning, A.S. & Evered, D.F.

FENNIMORE, J., see Kolthammer, J.C. et al.
FENTEM, P.H., see Bassey, E.J. et al.
FISCHER, G.M., see Thind, G.S. & Fischer, G.M.
FLEISCH, H., see Russell, R.G.G. et al.
FLENLEY, D.C., see Tweeddale, P.M. et al.
FORSLING, M.L., see Davies, R. et al.
FRANCIS, M.J.O., SANDERSON, M.C. & SMITH, R. Skin collagen in idiopathic adolescent scoliosis and Marfan's syndrome 467-474
FRASER, R., see Tree, M. et al.
FREIMAN, I. & MELMED, R.N. Stimulated flow of pancreatic and biliary secretions after intestinal exposure to cholera toxin 81–85
FÜRST, P., see Bergström, J. et al.

GALTON, D.J., see Clifton-Bligh, P. & Galton, D.J.; see also Myant, N.B. et al.
GENNARI, C., see Caniggia, A. et al.
GIROUX, E., SCHECHTER, P.J. & SCHOUN, J. Diminished albumin binding of zinc in serum of pregnant women 545–549

GLAROS, D., see Boddy, K. et al.
GOLDER, S., see Reubi, F.C. et al.
GREGORIADIS, G., see Segal, A.W. et al.
GREGORY, M.C., DUVAL, D. & MEYER, P. Changes in cardiac and hepatic glucocorticoid receptors after adrenalectomy 487–493
GUZ, A., see Rawbone, R.G. et al.

HARDY-SMITH, A., see Clarkson, M.J. et al.
HARRIS, E.A., see also Bradley, C.A. et al.
HELLSTRÖM, K., see Angelin, B. et al.
HENDRY, G.N., see Tomlinson, S. et al.
HIGGINS, M.J.P., see Myant, N.B. et al.
HOLLENBERG, N.K., see Tree, M. et al.
HOLLOWAY, I., see Boddy, K. et al.
HULTMAN, E., see Bergström, J. et al.

INGRAM, R.H., Jr, see Wellman, J.J. et al.

JASMIN, G., see Dhalla, N.S. et al.
KALNNER, M., see Angelin, B. et al.
KENNEDY, A.C., LINDSAY, R., BUCHANAN, W.W. & ALLAM, B.F. Bone-resorbing activity in the sera of patients with rheumatoid arthritis 205–207
KERMODE, J.C., see Salas-Coll, C.A. et al.
KHANH, B.T. & LUKE, R.G. Chloride depletion and hypochloraemia as a cause of renal sodium and water loss in the rat 353–362
KHOSLA, M.C., see Bravo, E.L. et al.
KOERNER, T.J., see Oparil, S. et al.
KOLTHAMMER, J.C., WATSON, P.A., LANG, S. & FENNIMORE, J. The safety assessment in the dog of a charcoal haemoperfusion column 515–524

LAMBIE, A.T., see Bone, J.M. et al.
LANG, S., see Kolthammer, J.C. et al.
LAURELL, C.-B., see Ohlsson, K. & Laurell, C.-B.
LAVENDER, J.P., see Segal, A.W. et al.
LEE, M.R., see Thomas, T.H. & Lee, M.R.

θ*
LEWIS, B., ONITIRI, A.C., WOOTTON, I.D.P., CHAIT, A., SIGURDSSON, G. & OAKLEY, C.M. Intravenous fat-tolerance test in ischaemic heart disease and peripheral vascular disease 415-420

LEWIS, B.A., see Johns, E.J. et al.

LIARD, J.-F. Haemodynamics and body fluid volumes in response to fluid loading in conscious dogs: non-excretory renal influences 243-255

LINDSAY, R., see Boddy, K. et al.; see also Kennedy, A.C. et al.

LINNELL, J.C., see England, J.M. et al.

LORDE, D.A., see Imms, F.J. et al.

LOW, J., see Oparil, S. et al.

LUCK, V.A., see Cam, J.M. et al.

LUKE, R.G., see Khanh, B.T. & Luke, R.G.

MACDONALD, I.C., see Bassey, E.J. et al.

MACKENZIE, J.F. & RUSSELL, R.I. The effect of pH on folic acid absorption in man 363-368

MANNING, A.S. & EVERED, D.F. The absorption of sugars from the human buccal cavity 127-132

MATLIN, S.A., see Elder, G.H. et al.

McCORMICK, J.St C., see Tothill, P. & McCormick, J.St C.

McFADDEN, E.R., JR, see Wellman, J.J. et al.

MEISEL, A. & DIAMOND, H. Effect of vasopressin on uric acid excretion: evidence for distal nephron reabsorption of urate in man 33-40

MELME, R.N., see Freiman, I. & Melmed, R.N.

MENDELSON, F.A.O. A method for measurement of angiotensin II in tissues and its application to rat kidney 111-125

MILLER, G.J., MILLER, N.E. & ASHCROFT, M.T. Inverse relationship in Jamaica between plasma high-density lipoprotein cholesterol concentration and coronary-disease risk as predicted by multiple risk-factor status 475-482

MILLER, N.E., MJøs, O.D. & OLIVER, M.F. Effects of p-chlorophenoxyisobutyrate on free fatty acid mobilization from canine subcutaneous adipose tissue in situ 107-110

MILLER, N.E., MJøs, O.D. & OLIVER, M.F. Relationship of epicardial ST segment elevation to the plasma free fatty acid/albumin ratio during coronary occlusion in dogs 209-213

MILLER, N.E., see also Miller, G.J. et al.

MILLS, G.L., TAYLAUR, C.E. & CHAPMAN, M.J. Low-density lipoproteins in patients homozygous for familial hyperbetalipoproteinaemia 221-231

MILNE, M.D., see Asatoor, A.M. et al.

MJøs, O.D., see Miller, N.E. et al.

MUNDAY, K.A., see Withey, W.R. et al.

MURISON, J., see Vince, A. et al.


NAIL, C.R., see Nair, C.R. et al.

NARDI, P., see Caniggia, A. et al.

NEALE, G., see Soulé, J.-C. et al.

NICHOLLS, M.G., see Tree, M. et al.

NOBLE, R.C., see Shand, J.H. & Noble, R.C.

NUDI, R., see Caniggia, A. et al.
Author index

OAKLEY, C.M., see Lewis, B. et al.
OGSTON, D., see Crawford, G.P.M. et al.
OHLLSON, K. & LAURELL, C.-B. The disappearance of enzyme-inhibitor complexes from the circulation of man 87–92
OLIVER, M.F., see Miller, N.E. et al.
ONITIRI, A.C., see Lewis, B. et al.
OPARIL, S., LOW, J. & KOERNER, T.J. Altered angiotensin I conversion in pulmonary disease 537–543
O’RIORDAN, J.L.H., see Tomlinson, S. et al.
PARFITT, A.M. The effect of cellulose phosphate on plasma and urinary magnesium at different levels of parathyroid function in man 161–168
PAUMGARTNER, G. & REICHEN, J. Kinetics of hepatic uptake of unconjugated bilirubin 169–176
PAYNE, N., see Davies, R. et al.
PEMBERTON, D.M., see Tomlinson, S. et al.
PERRETT, D., see Stephens, A.D. & Perrett, D.
PETERS, T.J. Analytical subcellular fractionation of jejunal biopsy specimens: methodology and characterization of the organelles in normal tissue 557–574
PETERS, T.J., see also Segal, A.W. et al.; see also Soule, J.-C. et al.
PFEIFFER, G., see Reubi, F.C. et al.
POOLE-WILSON, P.A. The kinetics of efflux of 5,5-dimethyl-2,4-oxazolidinedione (DMO) from the myocardium 197–201
PRESTIDGE, S.P., see Imms, F.J. et al.
Rawbone, R.G., Coppin, C.A. & Guz, A. Carbon monoxide in alveolar air as an index of exposure to cigarette smoke 495–501
Reichen, J., see Paunggartner, G. & Reichen, J.
Reichl, D., see Myant, N.B. et al.
Reubi, F.C., Vorburger, C., Pfeiffer, G. & Golder, S. Comparison of renal blood flow and transit times measured by means of 99mTc-labelled erythrocytes and Indocyanine Green in humans with normal and diseased kidneys 151–159
Richards, T.G., see Clarkson, M.J. et al.
Robertson, I., see Boddy, K. et al.
Robertson, J.I.S., see Tree, M. et al.
Ross, F.P., see Pettifor, J.M. et al.
Russell, R.I., see MacKenzie, J.F. & Russell, R.I.
SAHLIN, K., see Bergström, J. et al.
Sanderson, M.C., see Francis, M.J.O. et al.
Schechter, P.J., see Giroux, E. et al.
Schoun, J., see Giroux, E. et al.
Scriven, P.M., see Bassey, E.J. et al.
Seelye, E.R., see Bradley, C.A. et al.; see also Harris, E.A. et al.
Segal, A.W., Gregoriatidis, G., Lavender, J.P., Tarin, D. & Peters, T.J. Tissue and hepatic subcellular distribution of liposomes containing bleomycin after intravenous administration to patients with neoplasms 421–425
Author index

SEYER-HANSEN, K. Renal hypertrophy in streptozotocin-diabetic rats  551–555

SHAND, J.H. & NOBLE, R.C. A simple method for the differential measurement of $^{125}$I and $^3$H by liquid-scintillation spectrometry  511–513

SHIMIZU, M., see Smith, D.F. & Shimizu, M.

SIGURDSSON, G., see Lewis, B. et al.

SINGER, B., see Johns, E.J. et al.

SINGH, J.N., see Dhalla, N.S. et al.

SINGH, S., see Datta, D.V. et al.

SLATER, J.D.H., see Davies, R. et al.

SMITH, D.A.S., see Boddy, K. et al.

SMITH, D.F. & SHIMIZU, M. Effect of posture on renal lithium clearance  103–105

SMITH, R., see Francis, M.J.O. et al.

SOURB, J.-C., NEALE, G. & PETERS, T.J. Functional and biochemical evidence of damage to enterocytes induced by triparanol: role of lysosomes and the effect of a gluten-free diet  19–25

STANSBE, D. Regulation of the human pyruvate dehydrogenase complex  445–452

STAROUKINE, M., see Verniory, A. et al.

STELLA, A., CALARESU, F. & ZANCHETTI, A. Neural factors contributing to renin release during reduction in renal perfusion pressure and blood flow in cats  453–461

STEWENS, A.D. & PERRETT, D. Cystinuria: a new genetic variant  27–32


SWALES, J.D., see Thurston, H. & Swales, J.D.

TARIN, D., see Segal, A. W. et al.

TAYLAUR, C.E., see Mills, G.L. et al.

TELERMAN, M., see Verniory, A. et al.

THIND, G.S. & FISCHER, G.M. Plasma cadmium and zinc in human hypertension  483–486

THOMAS, T.H. & LEE, M.R. The specificity of antisera for the radioimmunoassay of arginine-vasopressin in human plasma and urine during water loading and dehydration  525–536

THOMPSON, G.R., see Myant, N.B. et al.


THORNTON, C., see Imms, F.J. et al.

THURSTON, H. & SWALES, J.D. Influence of sodium restriction upon two models of renal hypertension  275–279

TOMLINSON, S., HENDRY, G.N., PEMBERTON, D.M. & O’RIORDAN, J.L.H. Reversible resistance to the renal action of parathyroid hormone in man  59–69

TOTHILL, P. & MCCORMICK, J. St C. Bone blood flow in the rat determined by the uptake of radioactive particles  403–406


TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C. Effect of age on oxygen-binding in normal human subjects  185–188

TWIGG, F.J., see Vince, A. et al.

VATTIMO, A., see Caniggia, A. et al.

VERNIORY, A., STAROUKINE, M., DELWICHE, F. & TELERMAN, M. Effect of sotalol on haemodynamics and renin–angiotensin–aldosterone system in hypertensive patients  9–17

VERTH, A., see Bone, J.M. et al.

VINCE, A., DOWN, P.F., MURISON, J., TWIGG, F.J. & WRONG, O.M. Generation of ammonia from non-urea sources in a faecal incubation system  313–322
Author index

VINNARS, E., see Bergström, J. et al.
VORBURGER, C., see Reubi, F.C. et al.

WALSHE, J.M., see Asatoor, A.M. et al.
WANG, J., see Pettifor, J.M. et al.
WATSON, P.A., see Kolthammer, J.C. et al.
WHITLOCK, R.M.L., see Bradley, C.A. et al.; see also Harris, E.A. et al.
WIDSTRÖM, A., see Bergström, J. et al.
WISE, I.J., see England, J.M. et al.
WITHEY, W.R., CHAPMAN, B.J. & MUNDAY, K.A. Distribution of blood flow in the hypothermic (27°C) dog kidney 583–588
WONG, N.L.M., see Sutton, R.A.L. et al.
WOOTTON, I.D.P., see Lewis, B. et al.
WRONG, O.M., see Vince, A. et al.


ZANCHETTI, A., see Stella, A. et al.
**SUBJECT INDEX**

Absorption, carrier-mediated mechanism for, across the human buccal mucosa  **MANNING, A.S. & EVERED, D.F.**  127–132

Absorption, intestinal, changes in, during lactation in rats  **ELIAS, E. & DOWLING, R.H.**  427–433

Absorption, intestinal, effect of pH on, of folic acid in man  **MACKENZIE, J.F. & RUSSELL, R.I.**  363–368

Acid–base heterogeneity, intracellular, measurement of, in nucleated avian erythrocytes  **BONE, J.M., VERTH, A. & LAMBIE, A.T.**  189–196

Activation analysis, neutron, measurement of changes in whole-body calcium, phosphorus, sodium and nitrogen *in vivo* by, in rats on a calcium-deficient diet  **BODDY, K., LINDSAY, R., HOLLOWAY, I., SMITH, D.A.S., ELLIOTT, A., ROBERTSON, I. & GLAROS, D.**  399–402

Acupuncture, effect of, on bronchial asthma  **Yu, D.Y.C. & LEE, S.P.**  503–509

Adenosine 3':5'-monophosphate, plasma, effect of bovine parathyroid hormone on concentrations of, in man  **TOMLINSON, S., HENDRY, G.N., PEMBERTON, D.M. & O'RiORDAN, J.L.H.**  59–69

Adenosine triphosphatase, activity of, in heart sarcolemma in normal and cardiomyopathic hamsters  **DHALLA, N.S., SINGH, J.N., BAJUSZ, E. & JASMIN, G.**  233–242

Adenylate cyclase, activity of, in heart sarcolemma in normal and cardiomyopathic hamsters  **DHALLA, N.S., SINGH, J.N., BAJUSZ, E. & JASMIN, G.**  233–242

Adipose tissue, esterification of exogenous fatty acids by, of hypertriglyceridaemic subjects with or without diabetes mellitus  **CLIFTON-BLIGH, P. & GALTON, D.J.**  257–265

Adrenalectomy, changes in cardiac and hepatic glucocorticoid receptors after, in the rat  **GREGORY, M.C., DUVAL, D. & MEYER, P.**  487–493

Age, effect of, on oxygen-binding in normal human subjects  **TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C.**  185–188

Ageing, effect of, on results of self-paced walking as exercise test  **BASSEY, E.J., FENTEM, P.H., MACDONALD, I.C. & SCRIVEN, P.M.**  609–612

Airway, small, forced expiratory time as a measure of resistance of  **BURKI, N.K. & DENT, M.C.**  53–58


Airways disease, obstructive, density-dependence of maximal expiratory flow rates before and after bronchodilators in patients with  **WELLMAN, J.J., MCFADDEN, E.R., JR INGRAM, R.H., JR**  133–139


Albumin, serum, diminished binding of zinc by, in pregnant women  **GIROUX, E., SCHECHTER, P.J. & SCHOUN, J.**  545–549

Aldosterone, differential effects of Asp<sup>1</sup>-angiotensin II and Sar<sup>1</sup>-angiotensin II on release of, in the dog  **BRAVO, E.L., KHOGLA, M.C. & BUMPUS, F.M.**  41–45

Aldosterone, effect of sotalol on, in hypertensive patients  **VERNIOY, A., STAROUKINE, M., DELWICHE, F. & TELERMAN, M.**  9–17


Amino acids, genetic variant of cystinuria with abnormal excretion of  **STEVENS, A.D. & PERRETT, D.**  27–32

Amino acids, influence of severe potassium depletion and subsequent repletion with potassium on, of muscle in man  **BERGSTRÖM, J., ALVESTRAND, A., FÜRST, P., HULTMAN, E., SAHLIN, K., VINNARS, E. & WIDSTRÖM, A.**  589–599
Subject index

Ammonia, generation of, from non-urea sources in a faecal incubation system  
Vince, A., Down, P.F.,  
Murray, J., Twigg, F.J. & Wrong, O.M.  
SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J.  
Johns, E.J., Lewis, B.A. & Singer, B.  
SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J.  
313–322

Ammonium, effect of luminal concentration of, on potassium transport across the distal colon in man  
Salas-Coll, C.A., Kermodé, J.C. & Edmonds, C.J.  
313–322

Angiotensin II, differential effects of Asp¹ and Sar¹ forms of, on vascular and adrenal receptors in the dog  
Braun, E.L., Khosla, M.C. & Bumpus, F.M.  
41–45

Angiotensin II, method for measurement of, in tissues and its application to rat kidney  
Mendelsohn, F.A.O.  
111–125

Angiotensin II, sodium balance and responsiveness to (Correspondence)  
Tree, M., Nicholls, M.G., Brown, J.J., Robertson, J.I.S., Fraser, R., Lever, A.F. & Hollenberg, N.K.  
219

Antiserum, specificity of, for radioimmunoassay of arginine-vasopressin in human plasma and urine during  
water loading and dehydration  
Thomas, T.H. & Lee, M.R.  
525–536

Aortic stenosis, neural factors contributing to renin release in cats during  
Stella, A., Calaresu, F. & Zanchetti, A.  
453–461

Arabinose, absorption of, from the human buccal cavity  
Manning, A.S. & Evered, D.F.  
127–132

Arginine-vasopressin, specificity of antisera for radioimmunoassay of, in human plasma and urine during  
water loading and dehydration  
Thomas, T.H. & Lee, M.R.  
525–536

Asthma, bronchial, effect of acupuncture on  
Yu, D.Y.C. & Lee, S.P.  
503–509

Bacteria, generation of ammonia by, from non-urea sources in a faecal incubation system  
Vince, A., Down, P.F.,  
Murray, J., Twigg, F.J. & Wrong, O.M.  
313–322

Bile, stimulation of flow of, after intestinal exposure to cholera toxin in rats  
Freiman, I. & Melmed, R.N.  
81–85

Bile acid, turnover of, in normal subjects and hyperlipidaemic patients  
Angelin, B., Einarsson, K., Hellström, K. & Kallner, M.  
393–397

Bile acids, effect of, on kinetics of hepatic uptake of unconjugated bilirubin  
Paumgartner, G. & Reichen, J.  
169–176

Bilirubin, unconjugated, kinetics of hepatic uptake of  
Paumgartner, G. & Reichen, J.  
169–176

Bleomycin, tissue and hepatic subcellular distribution of liposomes containing, after intravenous administration  
to patients with neoplasms  
Segal, A.W., Gregorijadis, G., Lavender, J.P., Tarin, D. & Peters, T.J.  
421–425

Blood flow, determination of, in rat bone by uptake of radioactive particles  
Tothill, P. & McCormick, J.S.  
403–406

Blood flow, liver, measurement of, by means of a single injection of bromosulphthalein without hepatic  
venous catheterization  
Clarkson, M.J., Hardy-Smith, A. & Richards, T.G.  
141–150

Blood flow, measurement of, through the calf during recovery from lower-limb fractures  
Imms, F.J., Lorde, D.A., Prestidge, S.P. & Thornton, C.  
297–302

Blood flow, renal, comparison of, and transit times measured with ³⁹⁹Tc-labelled erythrocytes and Indocyanine  
Green in humans with normal and diseased kidneys  
Reubi, F.C., Vorburger, C., Pfeiffer, G. & Goldner, S.  
151–159

Blood flow, renal, distribution of, in the hypothermic (27°C) dog  
Withey, W.R., Chapman, B.J. & Munday, K.A.  
583–588

Blood pressure, arterial, correlation between plasma cadmium/zinc ratio and mean value of  
Thind, G.S. & Fischer, G.M.  
483–486
Blood pressure, diastolic, inverse relationship in Jamaica between plasma high-density lipoprotein cholesterol concentration and Miller, G.J., Miller, N.E. & Ashcroft, M.T. 475–482
Blood pressure, differential effects of Asp1-angiotensin II and Sar1-angiotensin II on, in the dog Bravo, E.L., Khosla, M.C. & Bumpus, F.M. 41–45
Blood pressure, non-excretory renal influences on changes in, in response to fluid loading in conscious dogs Liard, J.-F. 243–255
Blood volume, intrathoracic, effects of immersion in water and changes in, on lung function in man Burkii, N.K. 303–311
Bone, activity of sera of patients with rheumatoid arthritis for resorption of Kennedy, A.C., Lindsay, R., Buchanan, W.W. & Allam, B.F. 205–207
Bone, rat, determination of blood flow in, by uptake of radioactive particles Tothill, P. & McCormick, J.St C. 403–406
Breathing pattern, comparison of, with exercise in normal subjects and in patients with chronic lung disease Bradley, G.W. & Crawford, R. 575–582
Bromosulphthalein, measurement of liver blood flow by means of a single injection of, without hepatic venous catheterization Clarkson, M.J., Hardy-Smith, A. & Richards, T.G. 141–150
Bromosulphthalein, role of small intestine and kidney in conjugation of Datta, D.V., Singh, S., Chhuttani, P.N. & Nair, C.R. 601–604
Bronchodilator drugs, density-dependence of maximal expiratory flow rates before and after, in patients with obstructive airways disease Wellman, J.J., McFadden, E.R., Jr & Ingram, R.H., Jr 133–139
Brush borders, role of lysosomes and effect of a gluten-free diet in functional damage to, induced by triparanol Soule, J.-C., Neale, G. & Peters, T.J. 19–25
Brush borders, subcellular fractionation of human jejunal biopsy specimens and characterization of Peters, T.J. 557–574

Cadmium, plasma, concentration of, and zinc in human hypertension Thind, G.S. & Fischer, G.M. 483–486
Calcitonin, inhibition by, of bone-resorbing activity in sera of patients with rheumatoid arthritis Kennedy, A.C., Lindsay, R., Buchanan, W.W. & Allam, B.F. 205–207
Calcium, bone-resorbing activity of sera of patients with rheumatoid arthritis and raised blood concentrations of Kennedy, A.C., Lindsey, R., Buchanan, W.W. & Allam, B.F. 205–207
Calcium, effects of parathyroid hormone on transport of, in the dog nephron Sutton, R.A.L., Wong, N.L.M. & Dirks, J.H. 345–351
Calcium, whole-body, measurement of changes in, and other elements by neutron activation analysis in vivo in rats on a calcium-deficient diet Boddy, K., Lindsay, R., Holloway, I., Smith, D.A.S., Elliott, A., Robertson, I. & Glaros, D. 399–402
Cancer, tissue and hepatic subcellular distribution of liposomes containing bleomycin after intravenous administration to patients with Segal, A.W., Gregoriadis, G., Lavender, J.P., Tarin, D. & Peters, T.J. 421–425
Carbon monoxide, content of, in alveolar air as an index of exposure to cigarette smoke Rawbone, R.G., Coppin, C.A. & Guz, A. 495–501
Cardiac output, effect of sotalol on, in hypertensive patients Verniori, A., Staroukine, M., Delwiche, F. & Telerman, M. 9–17
Cardiac output, non-excretory renal influences on changes in, in response to fluid loading in conscious dogs Liard, J.-F. 243–255
Cellulose phosphate, effect of, on plasma and primary magnesium at different levels of parathyroid function in man PARFIT, A.M. 161–168
Charcoal, safety assessment in the dog of a haemoperfusion column of KOLTHAMMER, J.C., WATSON, P.A., LANG, S. & FENNIMORE, J. 515–524
Cholera toxin, stimulated flow of pancreatic and biliary secretions in rats after intestinal exposure to FREI-MAN, I. & MELMED, R.N. 81–85
Chloride, depletion of, and hypochloraemia as a cause of renal sodium and water loss in the rat KHANH, B.T. & LUKE, R.G. 353–362
p-Chlorophenoxyisobutyrate, effects of, on free fatty acid mobilization from canine subcutaneous adipose tissue in situ MILLER, N.E., MJES, O.D. & OLIVER, M.F. 107–110
Cholesterol, elimination of, in normal subjects and hyperlipidaemic patients ANGELIN, B., EINARSSON, K., HELSTRÖM, K. & KALLNER, M. 393–397
Cholesterol, high-density lipoprotein, inverse relationship in Jamaica between plasma concentration of, and coronary-disease risk MILLER, G.J., MILLER, N.E. & ASHCROFT, M.T. 475–482
Cigarette smoke, carbon monoxide in alveolar air as an index of exposure to RAWBONE, R.G., COPPIN, C.A. & GUZ, A. 495–501
Clinical Science (Annual Lecture of the Medical Research Society) CAMPBELL, E.J.M. 1–7
Clofibrate, effects of metabolite of, on free fatty acid mobilization from canine subcutaneous adipose tissue in situ MILLER, N.E., MJES, O.D. & OLIVER, M.F. 107–110
Coeliac disease, effect of pH on folic acid absorption in patients with MACKENZIE, J.F. & RUSSELL, R.I. 363–368
Colon, generation of ammonia from non-urea sources by bacteria of VINCE, A., DOWN, P.F., MURISON, J., TWIGG, P.J. & WRONG, O.M. 313–322
Conjugation, role of small intestine and kidney in, of bromosulphthalein DATTA, D.V., SINGH, S., CHHUT-TANI, P.N. & NAIR, C.R. 601–604
Converting enzyme, angiotensin, measurement of activity of, in pulmonary disease OPARIL, S., LOW, J. & KORNER, T.J. 537–543
Copper, cause of increased urinary output of, in Wilson's disease ASATOOR, A.M., MILNE, M.D. & WALDHE, J.M. 369–378
Coronary heart disease, inverse relationship in Jamaica between plasma high-density lipoprotein cholesterol concentration and risk of MILLER, G.J., MILLER, N.E. & ASHCROFT, M.T. 475–482
Cyclic AMP, see Adenosine 3':5'-monophosphate
Cystinuria, new genetic variant of STEPHENS, A.D. & PERRETT, D. 27–32

Deoxyribonucleic acid, kidney content of, in rats with streptozotocin diabetes SEYER-HANSEN, K. 551–555
Diabetes mellitus, esterification of exogenous fatty acids by adipose tissue of hypertriglyceridaemic subjects with CLIFTON-BLIGH, P. & GALTON, D.J. 257–265
Diabetes, renal hypertrophy in rats with, induced by streptozotocin SEYER-HANSEN, K. 551–555
Differential counting, simple method for, of 125I and 3H by liquid-scintillation spectrometry SHAND, J.H. & NOBLE, R.C. 511–513
Subject index

5,5-Dimethyl-2,4-oxazolidinedione, kinetics of efflux of, from myocardium of the rabbit POOLE-WILSON, P.A. 197–201

2,3-Diphosphoglycerate, effect of age on intra-erythrocytic concentration of, in normal human subjects Tweeddale, P.M., Leggett, R.J.E. & Flenley, D.C. 185–188

DMO, see 5,5-Dimethyl-2,4-oxazolidinedione


Elastase, granulocyte, human, disappearance of complexes of, with macroglobulins from the circulation Ohlsson, K. & Laurell, C.-B. 87–92


Endoplasmic reticulum, subcellular fractionation of human jejunal biopsy specimens and characterization of Peters, T.J. 557–574

Enterocytes, rat, role of lysosomes and effect of a gluten-free diet in functional and biochemical damage to, induced by triparanol Soulé, J.-C., Neale, G. & Peters, T.J. 19–25

Enteroglucagon, plasma, change in, and plasma volume after gastric surgery Thomson, J.P.S. & Bloom, S.R. 177–183

Enzymes, activity of, in heart sarcolemma in normal and cardiomyopathic hamsters Dhalla, N.S., Singh, J.N., Bajusz, E. & Jasmin, G. 233–242

Epicardial ST segment, relation of elevation of, to plasma free fatty acid/albumin ratio during coronary occlusion in dogs Miller, N.E., Mjos, O.D. & Oliver, M.F. 209–213

Epidemiological studies, a method of use in, for providing an index of exposure to cigarette smoke Rawbone, R.G., Coppin, C.A. & Guz, A. 495–501

Erythrocyte, effect of age on oxygen-binding and 2,3-diphosphoglycerate and phosphate concentrations in, in normal human subjects Tweeddale, P.M., Leggett, R.J.E. & Flenley, D.C. 185–188


Erythrocytes, 99mTc-labelled, comparison of renal blood flow and transit times measured with, and Indocyanine Green in humans with normal and diseased kidneys Reubi, F.C., Vorburger, C., Pfeiffer, G. & Goldner, S. 151–159


Exercise, measurement of venous admixture/cardiac output ratio during, in healthy people Harris, E.A., Seelye, E.R. & Whitlock, R.M.L. 335–344

Exercise test, self-paced walking as, in elderly and young men Bassey, E.J., Fentem, P.H., Macdonald, I.C. & Scriven, P.M. 609–612

Expiratory flow rates, maximal, density-dependence of, before and after bronchodilators in patients with obstructive airways disease Wellman, J.J., McFadden, E.R., Jr & Ingram, R.H., Jr 133–139

Extracellular fluid, non-excretory renal influences on changes in volume of, in response to fluid loading in conscious dogs Liard, J.-F. 243–255

Faeces, generation of ammonia from non-urea sources in an incubation system for Vince, A., Down, P.F., Murison, J., Twigg, F.J. & Wrong, O.M. 313–322

Fat-tolerance test, intravenous, results of, in patients with ischaemic heart disease and peripheral vascular disease Lewis, B., Onitiri, A.C., Wootton, I.D.P., Chait, A., Sigurdsson, G. & Oakley, C.M. 415–420

Fatty acid, free, relation of epicardial ST segment elevation to plasma ratio of, to globulin during coronary occlusion in dogs Miller, N.E., Mjos, O.D. & Oliver, M.F. 209–213
Subject index

Fatty acids, exogenous, esterification of, by adipose tissue of hypertriglyceridaemic subjects with or without diabetes mellitus CLIFTON-BLIGH, P. & GALTON, D.J. 257–265
Fatty acids, non-esterified, effects of p-chlorophenoxyisobutyrate on mobilization of, from canine subcutaneous adipose tissue in situ MILLER, N.E., MJOS, O.D. & OLIVER, M.F. 107–110
Fibrinolysis, contribution of plasma inhibitors of, to antiplasmin activity in man CRAWFORD, G.P.M. OGSTON, D. & DOUGLAS, A.S. 215–218
Folic acid, effect of pH on absorption of, in man MACKENZIE, J.F. & RUSSELL, R.I. 363–368
Forced expiratory time, use of, as measure of small airway resistance BURKI, N.K. & DENT, M.C. 53–58

Galactose, effect of triparanol on intestinal absorption of, in rats SOULÉ, J.-C., NEALE, G. & PETERS, T.J. 19–25
Gas density, dependence of maximal inspiratory flow rates on, before and after bronchodilators in patients with obstructive airways disease WELLMAN, J.J., MCFADDEN, E.R., JR & INGRAM, R.H., JR 133–139
Gastric surgery, changes in plasma enteroglucagon and plasma volume after THOMSON, J.P.S. & BLOOM, S.R. 177–183
α-Globulins, disappearance from the circulation of complexes formed with human trypsin and granulocyte elastase and OHLSSON, K. & LAURELL, C.-B. 87–92
Glomerular filtration rate, measurement of, in the hypothermic (27°C) dog WITHEY, W.R., CHAPMAN, B.J. & MUNDAY, K.A. 583–588
Glucocorticoids, changes in cardiac and hepatic receptors for, after adrenalectomy in the rat GREGORY, M.C., DUVAL, D. & MEYER, P. 487–493
Goldblatt hypertension, influence of sodium restriction on, in rats THURSTON, H. & SWALES, J.D. 275–279
Guidance for Authors i–x

Haemodynamics, effect of sotalol on, in hypertensive patients VERNIORY, A., STAROUKINE, M., DELWICHE, F. & TELERMAN, M. 9–17
Haemodynamics, non-excretory renal influences on changes in, in response to fluid loading in conscious dogs LIARD, J.-F. 243–255
Haemoperfusion, charcoal, safety assessment in the dog of a column for KOLTHAMMER, J.C., WATSON, P.A., LANG, S. & FENNIMORE, J. 515–524
Heart, comparison of activities of enzymes in membranes of, in normal and cardiomyopathic hamsters DHALLA, N.S., SINGH, J.N., BAJUSZ, E. & JASMIN, G. 233–242
Heart, human, regulation of the pyruvate dehydrogenase complex from STANSBIE, D. 445–452
Heart disease, ischaemic, intravenous fat-tolerance test in patients with LEWIS, B., ONITIRI, A.C., WOOTTON, I.D.P., CHATT, A., SIGURDSSON, G. & OAKLEY, C.M. 415–420
Heart rate, effect of self-paced walking exercise test on, in elderly and young men BASSEY, E.J., FENTEM, P.H., MACDONALD, I.C. & SCRIVEN, P.M. 609–612
Hepatoma, tissue and hepatic subcellular distribution of liposomes containing bleomycin after intravenous administration to patients with SEGAL, A.W., GREGORIADIS, G., LAVENDER, J.P., TARIN, D. & PETERS, T.J. 421–425
Hexachlorobenzene, effect of, on the activity of hepatic uroporphyrinogen decarboxylase in the rat ELDER, G.H., EVANS, J.O. & MATLIN, S.A. 71–80
Histamine, effect of acupuncture in asthma patients on bronchoconstriction induced by Yu, D.Y.C. & Lee, S.P. 503–509

Hydrogen (3H), simple method for differential measurement of 125I and, by liquid-scintillation spectrometry Shand, J.H. & Noble, R.C. 511–513


Hyperlipoproteinaemia, elimination of cholesterol in Angelin, B., Einarsson, K., Hellström, K. & Kallner, M. 393–397


Hypertension, Goldblatt, influence of sodium restriction on, in rats Thurston, H. & Swales, J.D. 275–279

Hypertension, human, plasma cadmium and zinc concentrations in Thind, G.S. & Fischer, G.M. 483–486

Hypertriglyceridaemia, esterification of exogenous fatty acids of subjects with, and with or without diabetes mellitus Clifton-Bligh, P. & Galton, D.J. 257–265


Immunoabsorption, measurement of angiotensin II in rat kidney by Mendelsohn, F.A.O. 111–125

Indocyanine Green, comparison of renal blood flow and transit times measured with 99mTc-labelled erythrocytes and, in humans with normal and diseased kidneys Reubi, F.C., Vorburger, C., Pfeiffer, G. & Goldner, S. 151–159

Intestine, rat, mechanism of adaptation of, in lactation Elias, E. & Dowling, R.H. 427–433


Intestine, stimulated flow of pancreatic and biliary secretions in rats after perfusion of cholera toxin into Freiman, I. & Melmed, R.N. 81–85

Iodine (125I), simple method for differential measurement of 3H and, by liquid-scintillation spectrometry Shand, J.H. & Noble, R.C. 511–513

Ischaemic heart disease, intravenous fat-tolerance test in patients with Lewis, B., Onitiri, A.C., Wootton, I.D.P., Chait, A., Sigurdsson, G. & Oakley, C.M. 415–420

Isoprenaline, density-dependence of maximal expiratory flow rates before and after, in patients with obstructive airways disease Wellman, J.J., McFadden, E.R., Jr & Ingram, R.H., Jr 133–139


Jejunum, human, analytical subcellular fractionation of biopsy specimens of Peters, T.J. 557–574

Kidney, distribution of blood flow in, of the hypothermic (27°C) dog Withey, W.R., Chapman, B.J. & Munday, K.A. 583–588
Subject index

Kidney, effect of renal nerve stimulation in the cat on haemodynamics of JOHNS, E.J., LEWIS, B.A. & SINGER, B. 93–102

Kidney, effect of vasopressin in man on excretion of uric acid by MEISEL, A. & DIAMOND, H. 33–40

Kidney, hypertrophy of, in rats with streptozotocin diabetes SEYER-HANSEN, K. 551–555

Kidney, rat, measurement of angiotensin II in MENDELSOHN, F.A.O. 111–125

Kidney, reversible resistance to action of parathyroid hormone on, in man TOMLINSON, S., HENDRY, G.N., PEMBERTON, D.M. & O’RIORDAN, J.L.H. 59–69


Kidneys, human, normal and diseased, comparison of blood flow and transit times in, measured with 99mTc-labelled erythrocytes and Indocyanine Green REUBI, F.C., VORBURGER, C., PFEIFFER, G. & GOLDER, S. 151–159

Kidney stone, new genetic variant of cystinuria with STEPHENS, A.D. & PERRETT, D. 27–32

Lactation, mechanism of intestinal adaptation in rats in ELIAS, E. & DOWLING, R.H. 427–433


Ligands, serum, distribution of zinc between, in serum of pregnant women GROUX, E., SCHECHTER, P.J. & SCHOUN, J. 545–549

Lipolysis, effects of p-chlorophenoxyisobutyrate on, in canine subcutaneous adipose tissue in situ MILLER, N.E., MIAOS, O.D. & OLIVER, M.F. 107–110

Lipoprotein cholesterol, plasma, inverse relationship in Jamaica between concentration of, and coronary-disease risk MILLER, G.J., MILLER, N.E. & ASHCROFT, M.T. 475–482


Liposomes, bleomycin-labelled, tissue and hepatic subcellular distribution of, after intravenous administration to patients with neoplasmas SEGAL, A.W., GREGORIADIS, G., LAVENDER, J.P., TARIN, D. & PETERS, T.J. 421–425

Liquid-scintillation spectrometry, simple method for differential measurement of 131I and 3H by SHAND, J.H. & NOBLE, R.C. 511–513


Lithium, effect of posture on renal clearance in man of SMITH, D.F. & SHIMIZU, M. 103–105

Liver, measurement of blood flow in, by means of a single injection of bromosulphthalein without hepatic venous catheterization CLARKSON, M.J., HARDY-SMITH, A. & RICHARDS, T.G. 141–150

Liver, rat, kinetics of uptake of unconjugated bilirubin by PAUMGARTNER, G. & REICHEN, J. 169–176

Low-density lipoprotein, composition of, in patients homozygous for familial hyperbetalipoproteinaemia MILLS, G.L., TAYLAUR, C.E. & CHAPMAN, M.J. 221–231

Lung disease, chronic, regulation of breathing during exercise in normal subjects and in patients with BRADLEY, G.W. & CRAWFORD, R. 575–582

Lung volumes, effects in man of immersion in water and changes in intrathoracic blood volume on BURKI, N.K. 303–311


Lysosomes, role of, and effect of a gluten-free diet in functional and biochemical damage to rat enterocytes induced by triparanol SOULÉ, J.C., NEALE, G. & PETERS, T.J. 19–25

Lysosomes, subcellular fractionation of human jejunal biopsy specimens and characterization of PETERS, T.J. 557–574
Macroglobulins, disappearance from the circulation of complexes formed with human trypsin and granulocyte elastase and Ohlsson, K. & Laurell, C.-B. 87-92
Magnesium, effect of cellulose phosphate on, in plasma and urine at different levels of parathyroid function in man Parfitt, A.M. 161-168
Marfan's syndrome, stability of skin collagen in Francis, M.J.O., Sanders, M.C. & Smith, R. 467-474
Microparticles, radioactive, determination of bone blood flow in the rat by uptake of Tother, P. & McCormick, J.S.T C. 403-406
Microperfusion, effect of peritubular oncotic pressure studied by, on proximal tubular reabsorption in the rat in vivo Conger, J.D., Bartoli, E. & Earley, L.E. 379-392
Microsomes, subcellular fractionation of human jejunal biopsy specimens and characterization of Peters, T.J. 557-574
Mitochondria, subcellular fractionation of human jejunal biopsy specimens and characterization of Peters, T.J. 557-574
Myocardium, dog, relation of epicardial ST segment elevation to plasma free fatty acid/albumin ratio during ischaemia of Miller, N.E., Mjos, O.D. & Oliver, M.F. 209-213
Myocardium, rabbit, kinetics of efflux of 5,5-dimethyl-2,4-oxazolidinedione from Poole-Wilson, P.A. 197-201
Nephrectomy, effect of, on influence of sodium restriction on two models of renal hypertension Thurston, H. & Swales, J.D. 275-279
Nephron, reabsorption of urate in man by distal tubule of Meisel, A. & Diamond, H. 33-40
Neutron activation analysis, measurement of changes in whole-body calcium, phosphorus, sodium and nitrogen in vivo by, in rats on a calcium-deficient diet Boddy, K., Lindsay, R., Holloway, I., Smith, D.A.S., Elliott, A., Robertson, I. & Glaros, D. 399-402
Nitrogen, whole-body, measurement of changes in, and other elements by neutron activation analysis in vivo in rats on a calcium-deficient diet Boddy, K., Lindsay, R., Holloway, I., Smith, D.A.S., Elliott, A., Robertson, I. & Glaros, D. 399-402
Nomogram, conversion of oxygen in gas mixtures at standard atmospheric pressure from Bachelard, H.S. 203-204
Oncotic pressure, peritubular, proximal tubular reabsorption in the rat in vivo and Conger, J.D., Bartoli, E. & Earley, L.E. 379-392
Oxygen, nomogram for, in gas mixtures at standard atmospheric pressure Bachelard, H.S. 203-204
Oxygen-binding, effect of age on, in normal human subjects Tweeddale, P.M., Leggett, R.J.E. & Flenley, D.C. 185-188
Pancreatic juice, stimulation of flow of, after intestinal exposure to cholera toxin in rats Freiman, I. & Melmed, R.N. 81-85
Parathyroid hormone, effect of cellulose phosphate on plasma and urinary magnesium in patients with deficiency or excess of Parfitt, A.M. 161-168
Parathyroid hormone, effects of, on sodium and calcium transport in the dog nephron Sutton, R.A.L., Wong, N.L.M. & Dirks, J.H. 345-351
Parathyroid hormone, reversible resistance to renal action of, in man Tomlinson, S., Hendry, G.N., Pemberton, D.M. & O'Riordan, J.L.H. 59-69
Pentagastrin, effect of, on plasma \(^{47}\text{Ca}\) in man after treatment with \(^{47}\text{Ca}\) \text{Caniggia, A., Gennari, C., Vattimo, A., Nardi, P. & Nuti, R.} \text{281–285}

Peptides, urinary excretion of, in Wilson’s disease \text{Asatoor, A.M., Milne, M.D. & Walshe, J.M.} \text{369–378}

Peritubular circulation, effect of changes in oncotic pressure in, on proximal tubular reabsorption in the rat \text{in vivo} \text{Conger, J.D., Bartoli, E. & Earley, L.E.} \text{379–392}

\(\text{pH, intracellular, calculation of, from kinetics of efflux of 5,5-dimethyl-2,4-oxazolidinedione} \text{Poole-Wilson, P.A.} \text{197–201}

\(\text{pH, intra-erythrocytic, effect of age on, in normal human subjects} \text{Tweeddale, P.M., Leggett, R.J.E. & Fleleney, D.C.} \text{185–188}

\text{Phosphatase, ionic requirements of, from human heart and skeletal muscle} \text{Stansbie, D.} \text{445–452}

\text{Phosphate, inorganic, influence of orthophosphate on the renal handling of, in man and dog} \text{Russel, R.G.G., Bisaz, S. & Fleisch, H.} \text{435–443}


\text{Phosphorus, whole-body, measurement of changes in, and other elements by neutron activation analysis \text{in vivo}} \text{in rats on a calcium-deficient diet} \text{Boddy, K., Lindsay, R., Holloway, I., Smith, D.A.S., Elliott, A., Robertson, I. & Glaros, D.} \text{399–402}

\text{Phosphorus, whole-body, measurement of changes in, and other elements by neutron activation analysis \text{in vivo}} \text{in rats on a calcium-deficient diet} \text{Boddy, K., Lindsay, R., Holloway, I., Smith, D.A.S., Elliott, A., Robertson, I. & Glaros, D.} \text{399–402}

\text{Plasma membranes, subcellular fractionation of human jejunal biopsy specimens and characterization of Peters, T.J.} \text{557–574}

\text{Plasma volume, change in, and plasma arginine vasopressin concentration and plasma renin activity in man after head-up tilt} \text{Davies, R., Slater, J.D.H., Forsling, M.L. & Payne, N.} \text{267–274}

\text{Plasma volume, change in, and plasma enteroglucagon after gastric surgery} \text{Thomson, J.P.S. & Bloom, S.R.} \text{177–183}

\text{Plasma volume, non-excretory renal influences on changes in, in response to fluid loading in conscious dogs Liard, J.-F.} \text{243–255}

\text{Plasmin, contribution of plasma protease inhibitors to inhibition of, in man} \text{Crawford, G.P.M., Ogston, D. & Douglas, A.S.} \text{215–218}

\text{Plethysmography, venous occlusion, measurement of blood flow through the calf by, during recovery from lower-limb fractures} \text{Imms, F.J., Lorde, D.A., Prestidge, S.P. & Thornton, C.} \text{297–302}

\text{Poisoning, safety assessment in the dog of a charcoal haemoperfusion column for use} \text{in Kolthammer, J.C., Watson, P.A., Lang, S. & Fennimore, J.} \text{515–524}

\text{Porphyria, activity of hepatic uroporphyrinogen decarboxylase in, induced by hexachlorobenzene in the rat Elder, G.H., Evans, J.O. & Matlin, S.A.} \text{71–80}

\text{Posture, effect of change in, on plasma arginine vasopressin concentration and plasma renin activity in normal man} \text{Davies, R., Slater, J.D.H., Forsling, M.L. & Payne, N.} \text{267–274}

\text{Posture, effect of, on renal clearance of lithium in man} \text{Smith, D.F. & Shimizu, M.} \text{103–105}

\text{Potassium, influence of severe potassium depletion and subsequent repletion with potassium on, of muscle in man Bergström, J., Alvestrand, A., Fürst, P., Hultman, E., Sahlin, K., Vinnars, E. & Widström, A.} \text{589–599}

\text{Potassium, mechanism of transport of, across the distal colon in man} \text{Salas-Coll, C.A., Kermode, J.C. & Edmonds, C.J.} \text{287–296}

\text{Pregnancy, diminished albumin binding of zinc in serum of women in} \text{Giroux, E., Schechter, P.J. & Schoun, J.} \text{545–549}

\text{Propranolol, effect of, on results of renal nerve stimulation in the cat} \text{Johns, E.J., Lewis, B.A. & Singer, B.} \text{93–102}

\text{Protease, plasma, contribution of inhibitors of, to antiplasmin activity in man} \text{Crawford, G.P.M., Ogston, D. & Douglas, A.S.} \text{215–218}

\text{Protein-binding assay, competitive, for 25-hydroxyvitamin A} \text{Petitfor, J.M., Ross, F.P. & Wang, J.} \text{605–607}

\text{Proximal tubule, peritubular oncotic pressure and reabsorption in, of the rat \text{in vivo} \text{Conger, J.D., Bartoli, E. & Earley, L.E.} \text{379–392}

\text{Pteroylmonoglutamic acid, effect of pH on absorption of, in man} \text{Mackenzie, J.F. & Russell, R.I.} \text{363–368}
Pulmonary compliance, effects in man of immersion in water and changes in intrathoracic blood volume on
BURKI, N.K. 303–311

Pulmonary disease, measurement of activity of angiotensin converting enzyme in plasma of patients with
OPARIL, S., LOW, J. & KOERNER, T.J. 537–543

Pyrophosphate, inorganic, influence of orthophosphate on the renal handling of, in man and dog

Pyruvate dehydrogenase complex, regulation of, from human heart
STANSBIE, D. 445–452

Receptors, glucocorticoid, changes in, of rat heart and liver after adrenalectomy
GREGORY, M.C., DUVAL, D. & MEYER, P. 487–493

Renal failure, chronic, absorption of aluminium hydroxide in patients with

Renal nerves, cat, effect of stimulation of, on renal function and renin release
JOHNS, E.J., LEWIS, B.A. & SINGER, B. 93–102

Renal nerves, effect of, on renin release during reduction in renal perfusion pressure and blood flow in cats
STELLA, A., CALARESU, F. & ZANCHETTI, A. 453–461

Renal stone, see Kidney stone

Renin, effect of sotalol on, in hypertensive patients
VERNIOY, A., STAROUKINE, M., DELWICHE, F. & Telescope, M. 9–17

Renin, neural factors contributing to release of, during reduction in renal perfusion pressure and blood flow in cats
STELLA, A., CALARESU, F. & ZANCHETTI, A. 453–461

Renin, plasma, effect of change in posture in normal man on
DAVIES, R., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N. 267–274

Respiratory rate, comparison of, with exercise in normal subjects and in patients with chronic lung disease
BRADLEY, G.W. & CRAWFORD, R. 575–582

Respiratory volumes, measurements of, in assessment of small airway resistance
BURKI, N.K. & DENT, M.C. 53–58

Rheumatoid arthritis, bone-resorbing activity in sera of patients with
KENNEDY, A.C., LINDSAY, R., BUCHANAN, W.W. & ALLAM, B.F. 205–207

Ribonucleic acid, kidney content of, in rats with streptozotocin diabetes
SEYER-HANSEN, K. 551–555

Rubidium, effect of luminal concentration of, on potassium transport across the distal colon in man

Sarcoidosis, measurement of activity of angiotensin converting enzyme in plasma of patients with
OPARIL, S., LOW, J. & KOERNER, T.J. 537–543

Sarcolemma, heart, comparison of activities of enzymes of, in normal and cardiomyopathic hamsters
DHALLA, N.S., SINGH, J.N., BAJUZ, E. & JASMIR, G. 233–242

Scoliosis, idiopathic, adolescent, stability of skin collagen in
FRANCIS, M.J.O., SANDERSON, M.C. & SMITH, R. 467–474

Skin, stability of collagen from, in idiopathic adolescent scoliosis and Marfan's syndrome
FRANCIS, M.J.O., SANDERSON, M.C. & SMITH, R. 467–474

Sodium, chloride depletion and hypochloraemia as a cause of loss of renal water and, in the rat
KHANH, B.T. & LUKE, R.G. 353–362

Sodium, effect of luminal concentration of, on potassium transport across the distal colon in man

Sodium, effect of renal nerve stimulation in the cat on excretion of
JOHNS, E.J., LEWIS, B.A. & SINGER, B. 93–102

Sodium, effects of parathyroid hormone on transport of, in the dog nephron

Sodium, influence of severe potassium depletion and subsequent repletion with potassium on, of muscle in man
Subject index

BERGSTROM, J., ALVESTRAND, A., FÜRST, P., HULTMAN, E., SAHLIN, K., VINNARS, E. & WIDSTRÖM, A. 589-599
Sodium, measurement of angiotensin II in kidneys of rats deficient in MENDELSOHN, F.A.O. 111-125
Sodium, whole-body, measurement of changes in, and other elements by neutron activation analysis in vivo in rats on a calcium-deficient diet BODDY, K., LINDSAY, R., HOLLOWAY, I., SMITH, D.A.S., ELLIOTT, A., ROBERTSON, I. & GLAROS, D. 399-402
Sodium balance, effect of sodium restriction on, in two models of renal hypertension THURSTON, H. & SWALES, J.D. 275-279
Sodium balance, responsiveness to angiotensin II and (Correspondence) TREE, M., NICOLLS, M.G., BROWN, J.J., ROBERTSON, J.I.S., FRASER, R., LEVER, A.F. & HOLLENBERG, N.K. 219
Sotalol, effect of, on haemodynamics and renin–angiotensin–aldosterone system in hypertensive patients VERNIORY, A., STAROUKINE, M., DELWICHE, F. & TELERMAN, M. 9-17
Spirometry, technique for measurement of small airway resistance by BURKI, N.K. & DENT, M.C. 53-58
Standing, effect of, on renal clearance of lithium in man SMITH, D.F. & SHIMIZU, M. 103-105
Steroids, balance studies of, in normal subjects and hyperlipidaemic patients ANGELIN, B., EINAHRIS, E., KALLNER, M. 393-397
Syncope, observations on, induced in normal man by tilting DAVIES, R., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N. 267-274
Sympathetic nervous system, effect of, on renin release during reduction in renal perfusion pressure and blood flow in cats STELLA, A., CALARES, F. & ZANCHETTI, A. 453-461

Transcobalamins, isolation of fractions containing, from normal human serum ENGLAND, J.M., DOWN, M.C., WISE, I.J. & LINNELL, J.C. 47-52
Transfer factor, carbon monoxide, effects in man of immersion in water and changes in intrathoracic blood volume on BURKI, N.K. 303-311
Transit time, comparison of renal blood flow and, measured with 99mTc-labelled erythrocytes and Indocyanine Green in humans with normal and diseased kidneys REUBI, F.C., VORBURGER, C., PFEIFFER, G. & GOLDER, S. 151-159
Triparanol, role of lysosomes and effect of a gluten-free diet in functional and biochemical damage to rat enterocytes induced by SOULÉ, J.-C., NEALE, G. & PETERS, T.J. 19-25
Trypsins, human, disappearance of complexes of, with macroglobulins from the circulation OHLSSON, K. & LAUREL, C.-B. 87-92

Urea, generation of ammonia from sources other than, in a faecal incubation system VINCE, A., DOWN, P.F., MURISON, J., TWIGG, F.J. & WRONG, O.M. 313-322
Uretero-caval anastomosis, response of haemodynamics and body fluid volumes to fluid loading in conscious dogs with LIARD, J.-F. 243-255
Uric acid, effect of vasopressin in man on renal excretion of MEISEL, A. & DIAMOND, H. 33-40
Uropporphyrinogen decarboxylase, effect of hexachlorobenzene on the activity of, in the rat ELDER, G.H., EVANS, J.O. & MATLIN, S.A. 71-80

Vascular disease, peripheral, intravenous fat-tolerance test in patients with LEWIS, B., ONITIRI, A.C., WOOTON, I.D.P., CHATT, A., SIGURDSSON, G. & OAKLEY, C.M. 415-420
Vasopressin, arginine, plasma, effect of change in posture in normal man on DAVIES, R., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N. 267-274
Vasopressin, effect of, in man on renal secretion of uric acid MEISEL, A. & DIAMOND, H. 33-40
Venous occlusion, peripheral, effects of, on lung function in man BURKI, N.K. 303-311
Subject index


Walking, level, self-paced, exercise test by, in elderly and young men  BASSEY, E.J., FENTEM, P.H., MACDONALD, I.C. & SCRIVEN, P.M.  609–612
Water, chloride depletion and hypochloraemia as a cause of loss of renal sodium and, in the rat  KHANH, B.T. & LUKE, R.G.  353–362
Wilson's disease, see Hepatolenticular degeneration

Zinc, diminished binding of, by albumin in serum of pregnant women  GIROUX, E., SCHECHTER, P.J. & SCHOUN, J.  545–549
Zinc, plasma, concentration of, and cadmium in human hypertension  THIND, G.S. & FISCHER, G.M.  483–486