

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

**PRINTED IN GREAT BRITAIN AT THE ALDEN PRESS, OXFORD**









- OAKLEY, C.M., see Lewis, B. *et al.*  
OGSTON, D., see Crawford, G.P.M. *et al.*  
OHLSSON, 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 Soulé, J.-C. *et al.*  
PETTIFOR, J.M., ROSS, F.P. & WANG, J. A competitive protein-binding assay for 25-hydroxyvitamin D 605-607  
PFEIFFER, G., see Reubi, F.C. *et al.*  
POOLE-WILSON, P.A. The kinetics of efflux of 5,5-dimethyl-2,4-oxazolinedione (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 Paumgartner, G. & Reichen, J.  
REICHL, D., see Myant, N.B. *et al.*  
REUBI, F.C., VORBURGER, C., PFEIFFER, G. & GOLDBERGER, S. Comparison of renal blood flow and transit times measured by means of <sup>99m</sup>Tc-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.G.G., BISAZ, S. & FLEISCH, H. The influence of orthophosphate on the renal handling of inorganic pyrophosphate in man and dog 435-443  
RUSSELL, R.I., see MacKenzie, J.F. & Russell, R.I.
- SAHLIN, K., see Bergström, J. *et al.*  
SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J. Potassium transport across the distal colon in man 287-296  
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., GREGORIADIS, 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

- 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  $^{125}\text{I}$  and  $^3\text{H}$  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.*
- SOULÉ, 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
- STANSBIE, 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
- STEPHENS, A.D. & PERRETT, D. Cystinuria: a new genetic variant 27-32
- SUTTON, R.A.L., WONG, N.L.M. & DIRKS, J.H. Effects of parathyroid hormone on sodium and calcium transport in the dog nephron 345-351
- 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.*
- THOMSON, J.P.S. & BLOOM, S.R. Plasma enteroglucagon and plasma volume change after gastric surgery 177-183
- 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
- TREE, M., NICHOLLS, M.G., BROWN, J.J., ROBERTSON, J.I.S., FRASER, R., LEVER, A.F. & HOLLENBERG, N.K. Sodium balance and responsiveness to angiotensin II 219
- 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

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.*

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

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.*

YU, D.Y.C. & LEE, S.P. Effect of acupuncture on bronchial asthma 503-509

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, changes in, during exercise in healthy people HARRIS, E.A., SEELYE, E.R. & WHITLOCK, R.M.L. 335-344
- 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, bovine, use of, in competitive protein-binding assay for 25-hydroxycholecalciferol PETTIFOR, J.M., ROSS, F.P. & WANG, J. 605-607
- Albumin, relation of epicardial ST segment elevation to plasma ratio of, to free fatty acid during coronary occlusion in dogs MILLER, N.E., MJØS, O.D. & OLIVER, M.F. 209-213
- 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., KHOSLA, M.C. & BUMPUS, F.M. 41-45
- Aldosterone, effect of sotalol on, in hypertensive patients VERNIORY, A., STAROUKINE, M., DELWICHE, F. & TELERMAN, M. 9-17
- Aluminium, effect of aluminium hydroxide orally on metabolism of, in normal subjects CAM, J.M., LUCK, V.A., EASTWOOD, J.B. & DE WARDENER, H.E. 407-414
- Aluminium hydroxide, effect of, given orally on calcium, phosphorus and aluminium metabolism in normal subjects CAM, J.M., LUCK, V.A., EASTWOOD, J.B. & DE WARDENER, H.E. 407-414
- Alveoli, changes in, during exercise in healthy people HARRIS, E.A., SEELYE, E.R. & WHITLOCK, R.M.L. 335-344
- Amino acids, genetic variant of cystinuria with abnormal excretion of STEPHENS, 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

- Ammonia, generation of, from non-urea sources in a faecal incubation system VINCE, A., DOWN, P.F., MURISON, J., TWIGG, F.J. & WRONG, O.M. 313-322
- Ammonium, effect of luminal concentration of, on potassium transport across the distal colon in man SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J. 287-296
- Angiotensin, role of formation of, in maintenance of glomerular filtration rate during renal nerve stimulation in the cat JOHNS, E.J., LEWIS, B.A. & SINGER, B. 93-102
- Angiotensin I, measurement of activity of plasma converting enzyme for, in pulmonary disease OPARIL, S., LOW, J. & KOERNER, T.J. 537-543
- Angiotensin II, differential effects of Asp<sup>1</sup> and Sar<sup>1</sup> forms of, on vascular and adrenal receptors in the dog BRAVO, E.L., KHOSLA, M.C. & BUMPUS, F.M. 41-45
- Angiotensin II, effect of sotalol on, in hypertensive patients VERNIORY, A., STAROUKINE, M., DELWICHE, F. & TELERMAN, M. 9-17
- Angiotensin II, method for measurement of, in tissues and its application to rat kidney MENDELSON, 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
- Annual Lecture of the Medical Research Society: Clinical Science CAMPBELL, E.J.M. 1-7
- 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., MURISON, 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., GREGORIADIS, 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.St C. 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 <sup>99m</sup>Tc-labelled erythrocytes and Indocyanine Green in humans with normal and diseased kidneys REUBI, F.C., VORBURGER, C., PFEIFFER, G. & GOLDER, 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 Asp<sup>1</sup>-angiotensin II and Sar<sup>1</sup>-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 BURKI, 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 SOULÉ, 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
- Buccal mucosa, absorption of sugars across MANNING, A.S. & EVERED, D.F. 127-132
- 
- Cadmium, plasma, concentration of, and zinc in human hypertension THIND, G.S. & FISCHER, G.M. 483-486
- Calcitonin, effect of, on plasma <sup>47</sup>Ca in man after treatment with <sup>47</sup>Ca CANIGGIA, A., GENNARI, C., VATTIMO, A., NARDI, P. & NUTI, R. 281-285
- 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, effect of aluminium hydroxide orally on metabolism of, in normal subjects CAM, J.M., LUCK, V.A., EASTWOOD, J.B. & DE WARDENER, H.E. 407-414
- Calcium (<sup>47</sup>Ca), effect of calcitonin, pentagastrin or glucagon on, of plasma in man after treatment with <sup>47</sup>Ca CANIGGIA, A., GENNARI, C., VATTIMO, A., NARDI, P. & NUTI, R. 281-285
- 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 VERNIORY, 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 PARFITT, 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 FREIMAN, I. & MELMED, R.N. 81-85
- Chloride, depletion of, and hypochloreaemia 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., MJØS, O.D. & OLIVER, M.F. 107-110
- Cholesterol, elimination of, in normal subjects and hyperlipidaemic patients ANGELIN, B., EINARSSON, K., HELLSTRÖM, 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
- Clearance, renal, influence of orthophosphate on the renal handling of inorganic pyrophosphate studied in man and dog by RUSSELL, R.G.G., BISAZ, S. & FLEISCH, H. 435-443
- 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., MJØS, 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
- Collagen, skin, stability of, in idiopathic adolescent scoliosis and Marfan's syndrome FRANCIS, M.J.O., SANDERSON, M.C. & SMITH, R. 467-474
- Colon, distal, potassium transport across, in man SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J. 287-296
- Colon, generation of ammonia from non-urea sources by bacteria of VINCE, A., DOWN, P.F., MURISON, J., TWIGG, F.J. & WRONG, O.M. 313-322
- Conjugation, role of small intestine and kidney in, of bromosulphthalein DATTA, D.V., SINGH, S., CHHUTANI, P.N. & NAIR, C.R. 601-604
- Converting enzyme, angiotensin, measurement of activity of, in pulmonary disease OPARIL, S., LOW, J. & KOERNER, T.J. 537-543
- Copper, cause of increased urinary output of, in Wilson's disease ASATOOR, A.M., MILNE, M.D. & WALSHE, 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
- 
- Dead space, effect of exercise on physiological volume of, in healthy people BRADLEY, C.A., HARRIS, E.A., SEELYE, E.R. & WHITLOCK, R.M.L. 323-333
- Dehydration, specificity of antisera for the radioimmunoassay of arginine-vasopressin in human plasma and urine during THOMAS, T.H. & LEE, M.R. 525-536
- 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 <sup>125</sup>I and <sup>3</sup>H by liquid-scintillation spectrometry SHAND, J.H. & NOBLE, R.C. 511-513

- 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
- Duodenal ulcer, changes in plasma enteroglucagon and plasma volume after surgery in patients with THOMSON, J.P.S. & BLOOM, S.R. 177-183
- Elastase, granulocyte, human, disappearance of complexes of, with macroglobulins from the circulation OHLSSON, K. & LAURELL, C.-B. 87-92
- Electrolytes, influence of severe potassium depletion and subsequent repletion with potassium on, of muscle in man BERGSTRÖM, J., ALVSTRAND, A., FÜRST, P., HULTMAN, E., SAHLIN, K., VINNARS, E. & WIDSTRÖM, A. 589-599
- 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., MJØS, 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, nucleated, avian, intracellular acid-base heterogeneity in BONE, J.M., VERTH, A. & LAMBIE, A.T. 189-196
- Erythrocytes, <sup>99m</sup>Tc-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. & GOLDER, S. 151-159
- Exercise, effect of, on physiological dead-space volume in healthy people BRADLEY, C.A., HARRIS, E.A., SEELYE, E.R. & WHITLOCK, R.M.L. 323-333
- 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., MJØS, O.D. & OLIVER, M.F. 209-213

- 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., MJØS, 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
- Fractures, lower-limb, blood flow through the calf during recovery from IMMS, F.J., LORDE, D.A., PRESTIDGE, S.P. & THORNTON, C. 297-302
- Galactose, absorption of, from the human buccal cavity MANNING, A.S. & EVERED, D.F. 127-132
- 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 expiratory 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
- $\alpha$ -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
- Glucagon, effect of, on plasma  $^{47}\text{Ca}$  in man after treatment with  $^{47}\text{Ca}$  CANIGGIA, A., GENNARI, C., VATTIMO, A., NARDI, P. & NUTI, R. 281-285
- Glucocorticoids, changes in cardiac and hepatic receptors for, after adrenalectomy in the rat GREGORY, M.C., DUVAL, D. & MEYER, P. 487-493
- Glucose, absorption of, from the human buccal cavity MANNING, A.S. & EVERED, D.F. 127-132
- 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., CHAIT, 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
- Hepatolenticular degeneration, urinary excretion of peptides and hydroxyproline in ASATOOR, A.M., MILNE, M.D. & WALSHE, J.M. 369-378
- 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 ( $^3\text{H}$ ), simple method for differential measurement of  $^{125}\text{I}$  and, by liquid-scintillation spectrometry SHAND, J.H. & NOBLE, R.C. 511-513
- Hydrogen ion, intracellular activity of, in human and avian erythrocytes BONE, J.M., FERTH, A. & LAMBIE, A.T. 189-196
- 25-Hydroxycholecalciferol, competitive protein-binding assay for PETTIFOR, J.M., ROSS, F.P. & WANG, J. 605-607
- Hydroxyproline, urinary excretion of, in Wilson's disease ASATOOR, A.M., MILNE, M.D. & WALSH, J.M. 369-378
- Hyperbetalipoproteinaemia, familial, low-density lipoproteins in patients homozygous for MILLS, G.L., TAYLOR, C.E. & CHAPMAN, M.J. 221-231
- Hypercholesterolaemia, inherited, metabolism *in vivo* and *in vitro* of plasma low-density lipoprotein from a subject with MYANT, N.B., REICHL, D., THOMPSON, G.R., HIGGINS, M.J.P. & GALTON, D.J. 463-465
- Hyperlipoproteinaemia, elimination of cholesterol in ANGELIN, B., EINARSSON, K., HELLSTRÖM, K. & KALLNER, M. 393-397
- Hyperparathyroidism, reversible resistance to renal action of bovine parathyroid hormone in patients with TOMLINSON, S., HENDRY, G.N., PEMBERTON, D.M. & O'RIORDAN, J.L.H. 59-69
- Hypertension, effect of sotalol on haemodynamics and renin-angiotensin-aldosterone system in patients with VERNIORY, A., STAROUKINE, M., DELWICHE, F. & TELERMAN, M. 9-17
- 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
- Hypothermia, distribution of blood flow in dog kidney in WITHEY, W.R., CHAPMAN, B.J. & MUNDAY, K.A. 583-588
- Immunoabsorption, measurement of angiotensin II in rat kidney by MENDELSON, F.A.O. 111-125
- Indocyanine Green, comparison of renal blood flow and transit times measured with  $^{99\text{m}}\text{Tc}$ -labelled erythrocytes and, in humans with normal and diseased kidneys REUBI, F.C., VORBURGER, C., PFEIFFER, G. & GOLDBERGER, S. 151-159
- Intestine, rat, mechanism of adaptation of, in lactation ELIAS, E. & DOWLING, R.H. 427-433
- Intestine, small, role of, in conjugation of bromosulphthalein DATTA, D.V., SINGH, S., CHHUTTANI, P.N. & NAIR, C.R. 601-604
- Intestine, stimulated flow of pancreatic and biliary secretions in rats after perfusion of cholera toxin into FREIMAN, I. & MELMED, R.N. 81-85
- Iodine ( $^{125}\text{I}$ ), simple method for differential measurement of  $^3\text{H}$  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, effect of pH of, on absorption of folic acid in man MACKENZIE, J.F. & RUSSELL, R.I. 363-368
- Jejunum, human, analytical subcellular fractionation of biopsy specimens of PETERS, T.J. 557-574
- Kidney, distribution of blood flow in, of the hypothermic ( $27^\circ\text{C}$ ) dog WITHEY, W.R., CHAPMAN, B.J. & MUNDAY, K.A. 583-588

- 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 MENDELSON, 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
- Kidney, role of, in conjugation of bromosulphthalein DATTA, D.V., SINGH, S., CHHUTTANI, P.N. & NAIR, C.R. 601-604
- Kidneys, human, normal and diseased, comparison of blood flow and transit times in, measured with  $^{99m}\text{Tc}$ -labelled erythrocytes and Indocyanine Green REUBI, F.C., VORBURGER, C., PFEIFFER, G. & GOLDBERGER, 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
- Leg, blood flow through the calf during recovery from lower fractures of IMMS, F.J., LORDE, D.A., PRESTIDGE, S.P. & THORNTON, C. 297-302
- Ligands, serum, distribution of zinc between, in serum of pregnant women GIROUX, E., SCHECHTER, P.J. & SCHOUN, J. 545-549
- Lipolysis, effects of *p*-chlorophenoxyisobutyrate on, in canine subcutaneous adipose tissue *in situ* MILLER, N.E., MJØS, 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
- Lipoprotein, low-density, composition of, in patients homozygous for familial hyperbetalipoproteinaemia MILLS, G.L., TAYLAUR, C.E. & CHAPMAN, M.J. 221-231
- Lipoprotein, low-density, plasma, metabolism of, *in vivo* and *in vitro* MYANT, N.B., REICHL, D., THOMPSON, G.R., HIGGINS, M.J.P. & GALTON, D.J. 463-465
- 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  $^{125}\text{I}$  and  $^3\text{H}$  by SHAND, J.H. & NOBLE, R.C. 511-513
- Lithium, effect of luminal concentration of, on potassium transport across the distal colon in man SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J. 287-296
- 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
- Lymphocytes, turnover of low-density lipoprotein *in vitro* in MYANT, N.B., REICHL, D., THOMPSON, G.R., HIGGINS, M.J.P. & GALTON, D.J. 463-465
- 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., SANDERSON, M.C. & SMITH, R. 467-474
- Microparticles, radioactive, determination of bone blood flow in the rat by uptake of TOTHILL, P. & MCCORMICK, J.St 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
- Muscle, human, influence of severe potassium depletion and subsequent repletion with potassium on electrolytes, metabolites and amino acids of BERGSTRÖM, J., ALVESTRAND, A., FÜRST, P., HULTMAN, E., SAHLIN, K., VINNARS, E. & WIDSTRÖM, A. 589-599
- Myocardium, dog, relation of epicardial ST segment elevation to plasma free fatty acid/albumin ratio during ischaemia of MILLER, N.E., MJØS, 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, dog, effects of parathyroid hormone on sodium and calcium transport in SUTTON, R.A.L., WONG, N.L.M. & DIRKS, J.H. 345-351
- 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  $^{47}\text{Ca}$  CANIGGIA, A., GENNARI, C., VATTIMO, A., NARDI, P. & NUTI, R. 281-285
- Peptides, urinary excretion of, in Wilson's disease ASATOOR, A.M., MILNE, M.D. & WALSH, J.M. 369-378
- Peritubular circulation, effect of changes in oncotic pressure in, on proximal tubular reabsorption in the rat *in vivo* CONGER, J.D., BARTOLI, E. & EARLEY, L.E. 379-392
- pH, intracellular, calculation of, from kinetics of efflux of 5,5-dimethyl-2,4-oxazolinedione POOLE-WILSON, P.A. 197-201
- pH, intra-erythrocytic, effect of age on, in normal human subjects TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C. 185-188
- Phosphatase, ionic requirements of, from human heart and skeletal muscle STANSBIE, D. 445-452
- Phosphate, inorganic, influence of orthophosphate on the renal handling of, in man and dog RUSSEL, R.G.G., BISAZ, S. & FLEISCH, H. 435-443
- Phosphorus, effect of aluminium hydroxide orally on metabolism of, in normal subjects CAM, J.M., LUCK, V.A., EASTWOOD, J.B. & DE WARDENER, H.E. 407-414
- Phosphorus, 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
- Plasma membranes, subcellular fractionation of human jejunal biopsy specimens and characterization of PETERS, T.J. 557-574
- Plasma volume, change in, and plasma arginine vasopressin concentration and plasma renin activity in man after head-up tilt DAVIES, R., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N. 267-274
- Plasma volume, change in, and plasma enteroglucagon after gastric surgery THOMSON, J.P.S. & BLOOM, S.R. 177-183
- Plasma volume, non-excretory renal influences on changes in, in response to fluid loading in conscious dogs LIARD, J.-F. 243-255
- Plasmin, contribution of plasma protease inhibitors to inhibition of, in man CRAWFORD, G.P.M., OGSTON, D. & DOUGLAS, A.S. 215-218
- Plethysmography, venous occlusion, measurement of blood flow through the calf by, during recovery from lower-limb fractures IMMS, F.J., LORDE, D.A., PRESTIDGE, S.P. & THORNTON, C. 297-302
- Poisoning, safety assessment in the dog of a charcoal haemoperfusion column for use in KOLTHAMMER, J.C., WATSON, P.A., LANG, S. & FENNIMORE, J. 515-524
- Porphyria, activity of hepatic uroporphyrinogen decarboxylase in, induced by hexachlorobenzene in the rat ELDER, G.H., EVANS, J.O. & MATLIN, S.A. 71-80
- Posture, effect of change in, on plasma arginine vasopressin concentration and plasma renin activity in normal man DAVIES, R., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N. 267-274
- Posture, effect of, on renal clearance of lithium in man SMITH, D.F. & SHIMIZU, M. 103-105
- 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. 589-599
- Potassium, mechanism of transport of, across the distal colon in man SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J. 287-296
- Pregnancy, diminished albumin binding of zinc in serum of women in GIROUX, E., SCHECHTER, P.J. & SCHOUN, J. 545-549
- Propranolol, effect of, on results of renal nerve stimulation in the cat JOHNS, E.J., LEWIS, B.A. & SINGER, B. 93-102
- Protease, plasma, contribution of inhibitors of, to antiplasmin activity in man CRAWFORD, G.P.M., OGSTON, D. & DOUGLAS, A.S. 215-218
- Protein-binding assay, competitive, for 25-hydroxyvitamin A PETTIFOR, J.M., ROSS, F.P. & WANG, J. 605-607
- Proximal tubule, peritubular oncotic pressure and reabsorption in, of the rat *in vivo* CONGER, J.D., BARTOLI, E. & EARLEY, L.E. 379-392
- Pteroylmonoglutamic acid, effect of pH on absorption of, in man MACKENZIE, J.F. & RUSSELL, R.I. 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 RUSSELL, R.G.G., BISAZ, S. & FLEISCH, H. 435-443
- 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 CAM, J.M., LUCK, V.A., EASTWOOD, J.B. & DE WARDENER, H.E. 407-414
- 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 VERNIORY, A., STAROUKINE, M., DELWICHE, F. & TELERMAN, 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 SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J. 287-296
- 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., BAJUSZ, E. & JASMIN, 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 hypochloreaemia 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 SALAS-COLL, C.A., KERMODE, J.C. & EDMONDS, C.J. 287-296
- 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 SUTTON, R.A.L., WONG, N.L.M. & DIRKS, J.H. 345-351
- Sodium, 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
- Sodium, measurement of angiotensin II in kidneys of rats deficient in MENDELSON, 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., NICHOLLS, 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., EINARSSON, K., HELLSTRÖM, K. & 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., CALARESU, F. & ZANCHETTI, A. 453-461
- Temperature correction, importance of, for measurements of dead-space volume BRADLEY, C.A., HARRIS, E.A., SEELYE, E.R. & WHITLOCK, R.M.L. 323-333
- 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 <sup>99m</sup>Tc-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
- Trypsin, human, disappearance of complexes of, with macroglobulins from the circulation OHLSSON, K. & LAURELL, 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 MESISEL, A. & DIAMOND, H. 33-40
- Uroporphyrinogen 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., WOOTTON, I.D.P., CHAIT, 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 admixture, effects of exercise on, in healthy people HARRIS, E.A., SEELYE, E.R. & WHITLOCK, R.M.L. 335-344
- Venous occlusion, peripheral, effects of, on lung function in man BURKI, N.K. 303-311

- Vitamin B<sub>12</sub>, endogenous, transport of, in normal human serum ENGLAND, J.M., DOWN, M.C., WISE, I.J. & LINNELL, J.C. 47-52
- 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
- Water, specificity of antisera for radioimmunoassay of arginine-vasopressin in human plasma and urine during loading with THOMAS, T.H. & LEE, M.R. 525-536
- 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