

**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**

## Volume 49

### AUTHOR INDEX

- ADDISON, J.M., BURSTON, D., DALRYMPLE, J.A., MATTHEWS, D.M., PAYNE, J.W., SLEISENGER, M.H. & WILKINSON, S. A common mechanism for transport of di- and tri-peptides by hamster jejunum *in vitro* 313
- ADDISON, J.M., BURSTON, D., PAYNE, J.W., WILKINSON, S. & MATTHEWS, D.M. Evidence for active transport of tripeptides by hamster jejunum *in vitro* 305
- ALBERTI, K.G.M.M., see Record, C.O. *et al.*
- ALEXANDRE, J.M., LONDON, G.M., CHEVILLARD, C., LEMAIRE, P., SAFAR, M.E. & WEISS, Y. The meaning of dopamine  $\beta$ -hydroxylase in essential hypertension 573
- ALLISON, M.E.M., see Padfield, P.L. *et al.*
- ANAND, M.B., see Dhalla, N.S. *et al.*
- ANGELL-JAMES, J.E. & POWIS, D.A. Adrenal weight and catecholamine content in renal and calciferol-induced hypertension in rabbits 183
- ANTONELLO, A., see Favaro, S. *et al.*
- ARDAILLOU, R., BEAUFILS, M., NIVEZ, M.-P., ISAAC, R., MAYAUD, C. & SRAER, J.-D. Increased plasma calcitonin in early acute renal failure 301
- AURELL, M., see Berglund, G. *et al.*
- AUTY, R.M., see Ramsay, L.E. *et al.*
- BAGGIO, B., see Favaro, S. *et al.*
- BARIETY, J., see Papanicolaou, N. *et al.*
- BARRACLOUGH, M.A. Potassium depletion induced by vasopressin and overhydration in the rabbit 535
- BEATTIE, A.D., see Paxton, J.W. *et al.*
- BEAUFILS, M., see Ardaillou, R. *et al.*
- BERGERT, J.H., see Meyer, J.L. *et al.*
- BERGLUND, G., TIBBLIN, G. & AURELL, M. Urinary noradrenaline excretion and renal function in normal and hypertensive 50-year-old men 485
- BERNATSKY, A.M., see Dhalla, N.S. *et al.*
- BETTER, O.S., see Chaimovitz, C. *et al.*
- BIENFAIT, D., see Erlinger, S. *et al.*
- BILLING, B.H., see Gollan, J.L. *et al.*
- BLACK, C.D.V., see Segal, A.W. *et al.*
- BODDY, K., KING, P.C. & CARSWELL, F. Total body potassium in children, with particular reference to coeliac disease 133
- BORSATTI, A., see Favaro, S. *et al.*
- BORST, J.G.G., see Meinders, A.E. *et al.*
- BRADLEY, D.M. & MAHLER, R.F. Effect of phenylalanine and its metabolites on the metabolism of leucocytes and lymphocytes 343
- BRANCH, R.A., see Ramsay, L.E. *et al.*
- BRAND, H.L., see Campbell, R.H.A. *et al.*
- BRASHER, M., see Gaffney, P.J. *et al.*
- BROWN, D.J., see Collins, J.V. *et al.*
- BROWN, J.J., see Padfield, P.L. *et al.*
- BRZEZIŃSKA, Z., see Nazar, K. *et al.*

- BURGER, B., see Hollenberg, N.K. *et al.*  
 BURSTON, D., see Addison, J.M. *et al.*
- CALLARD, P., see Papanicolaou, N. *et al.*  
 CAMERON, J.S., see Clark, W.F. *et al.*, see also Simmonds, H.A. *et al.*  
 CAMPBELL, R.H.A., BRAND, H.L., COX, J.R. & HOWARD, P. Body weight and body water in chronic  
 cor pulmonale 323  
 CANNELLA, G., see Favaro, S. *et al.*  
 CAREY, R.M., see Lennane, R.J. *et al.*  
 CARR, K.E., see Moore, M.R. *et al.*  
 CARSWELL, F., see Boddy, K. *et al.*  
 CEJKA, V., see Meinders, A.E. *et al.*  
 CHAIMOVITZ, C., SPIERER, A., LEIBOWITZ, H., TUMA, S. & BETTER, O.S. Exaggerated phosphaturic  
 response to volume expansion in patients with essential hypertension 207  
 CHAIT, A., see Miller, J.P. *et al.*  
 CHANARIN, I., see Hesp, R. *et al.*  
 CHASE, R.A., see Record, C.O. *et al.*  
 CHERNIACK, N.S., see Stanley, N.N. *et al.*  
 CHEVILLARD, C., see Alexandre, J.M. *et al.*  
 CHODAKOWSKA, J., NAZAR, K., WOCIAL, B., JARECKI, M. & SKÓRKA, B. Plasma catecholamines and  
 renin activity in response to exercise in patients with essential hypertension 511  
 CHRISTENSEN, N.J., see Mathias, C.J. *et al.*  
 CHWALBIŃSKA-MONETA, J., see Nazar, K. *et al.*  
 CLANCY, L.J., CRITCHLEY, J.A.J.H., LEITCH, A.G., KIRBY, B.J., UNGAR, A. & FLENLEY, D.C. Arterial  
 catecholamines in hypoxic exercise in man 503  
 CLARK, M.L., see Silk, D.B.A. *et al.*  
 CLARK, T.J.H., see Collins, J.V. *et al.*  
 CLARK, W.F., LEWIS, M.L., CAMERON, J.S. & PARSONS, V. Intrarenal platelet consumption in the  
 diffuse proliferative nephritis of systemic lupus erythematosus 247  
 COCHRAN, K.M., see MacKenzie, J.F. *et al.*  
 COLLINS, J.V., CLARK, T.J.H. & BROWN, D.J. Airway function in healthy subjects and patients with  
 left heart disease 217  
 COOKSLEY, W.G.E. & TAVILL, A.S. Heterogeneity of hepatic vitamin B<sub>12</sub> in the rat after parenteral  
 cyanocobalamin 257  
 CORBETT, J.L., see Mathias, C.J. *et al.*  
 COX, J.R., see Campbell, R.H.A. *et al.*  
 CRITCHLEY, J.A.J.H., see Clancy, L.J. *et al.*  
 CRONESTRAND, R., see Pernow, B. *et al.*
- DALRYMPLE, J.A., see Addison, J.M. *et al.*  
 DAVIS, M., IDEO, G., HARRISON, N.G. & WILLIAMS, R. Hepatic glutathione depletion and impaired  
 bromsulphthalein clearance early after paracetamol overdose in man and the rat 495  
 DAWSON, A.M., see Silk, D.B.A. *et al.*  
 DE SWIET, M., FANCOURT, R. & PETO, J. Systolic blood pressure variation during the first 6 days of life 557  
 DHALLA, N.S., SINGH, A., LEE, S.L., ANAND, M.B., BERNATSKY, A.M. & JASMIN, G. Defective mem-  
 brane systems in dystrophic skeletal muscle of the UM-X7.1 strain of genetically myopathic  
 hamster 359  
 DOW, J., KRASNER, N. & GOLDBERG, A. Relation between hepatic alcohol dehydrogenase activity and  
 the ascorbic acid in leucocytes of patients with liver disease 603  
 DUMONT, M., see Erlinger, S. *et al.*  
 DUVAL, M., see Erlinger, S. *et al.*

- EDMONDSON, R.P.S., HILTON, P.J., JONES, N.F., PATRICK, J. & THOMAS, R.D. Leucocyte sodium transport in uraemia 213
- EDMONDSON, R.P.S., see also Hilton, P.J. *et al.*
- EHRlich, E.N., see Oparil, S. *et al.*
- EKESTRÖM, S., see Pernow, B. *et al.*
- EKNOYAN, G., see Weinman, E.J. & Eknoyan, G.
- ELLIS, R.B., WILLCOX, P. & PATRICK, A.D. I-cell disease (mucopolidosis II): resolution of *N*-acetyl- $\beta$ -D-glucosaminidase and  $\alpha$ -L-fucosidase components by DEAE-cellulose chromatography 543
- EMMANOUEL, D.S., LINDHEIMER, M.D. & KATZ, A.I. Urinary concentration and dilution after unilateral nephrectomy in the rat 563
- ERLINGER, S., BIENFAIT, D., POUPON, R., DUMONT, M. & DUVAL, M. Effect of lysine acetylsalicylate on biliary lipid secretion in dogs 253
- ESPINEL, C.H. Effect of proportional reduction of sodium intake on the adaptive increase in glomerular filtration rate/nephron and potassium and phosphate excretion in chronic renal failure in the rat 193
- FAIRCLOUGH, P.D., see Silk, D.B.A. *et al.*
- FANCOURT, R., see De Swiet, M. *et al.*
- FAVARO, S., BAGGIO, B., ANTONELLO, A., ZEN, A., CANNELLA, G., TOLESCO, S. & BORSATTI, A. Renal kallikrein content of spontaneously hypertensive rats 69
- FERGUSON, J.C., MACKAY, N., PHILIP, J.A.D. & SUMNER, D.J. Determination of platelet and fibrinogen half-life with [<sup>75</sup>Se]selenomethionine: studies in normal and in diabetic subjects 115
- FEW, J.D., IMMS, F.J. & WEINER, J.S. Pituitary-adrenal response to static exercise in man 201
- FINE, L.G. & WEBER, H. Effect of diazoxide on renal handling of sodium in the rat 277
- FLENLEY, D.C., see Clancy, L.J. *et al.*
- FONTALIRAN, F., see Papanicolaou, N. *et al.*
- FRANKEL, H.L., see Mathias, C.J. *et al.*
- FUKUCHI, S., TAKENOUCI, T., NAKAJIMA, K., WATANABE, N. & SUGITA, A. Location of aldosterone-producing adenomas by the determination of plasma aldosterone in adrenal vein or renal vein blood. 187
- GAFFNEY, P.J., LANE, D.A. & BRASHER, M. Soluble high-molecular-weight E fragments in the plasmin-induced degradation products of cross-linked human fibrin 149
- GALTON, D.J., see Page, M.A. & Galton, D.J.
- GARRIOCH, D.B. Continuous blood sampling: a modified double-lumen catheter 121
- GOLDBERG, A., see Dow, J. *et al.*, see also Moore, M.R. *et al.*, see also Paxton, J.W. *et al.*
- GOLLAN, J.L. Studies on the nature of complexes formed by copper with human alimentary secretions and their influence on copper absorption in the rat 237
- GOLLAN, J.L., HATT, K.J. & BILLING, B.H. The influence of diet on unconjugated hyperbilirubinaemia in the Gunn rat 229
- GOODWIN, T.J., see Lennane, R.J. *et al.*, see also Mathias, C.J. *et al.*
- GREENWOOD, D.M., see Vandongen, R. & Greenwood, D.M.
- GREGORIADIS, G., see Segal, A.W. *et al.*
- GRIMES, A.J., see Worathumrong, N. & Grimes, A.J.
- HALLIDAY, D. & MCKERAN, R.O. Measurement of muscle protein synthetic rate from serial muscle biopsies and total body protein turnover in man by continuous intravenous infusion of L-[ $\alpha$ -<sup>15</sup>N]lysine 581
- HANSEN, J.F., see Hesse, B. *et al.*
- HARRISON, N.G., see Davis, M. *et al.*
- HATT, K.J., see Gollan, J.L. *et al.*
- HESP, R., CHANARIN, I. & TAIT, C.E. Potassium changes in megaloblastic anaemia 77
- HESSE, B., NIELSEN, I. & HANSEN, J.F. The effect of reduction in blood volume on plasma renin activity in man 515

- HESSE, B., NIELSEN, I. & LUND-JACOBSEN, H. The early effects of intravenous frusemide on central haemodynamics, venous tone and plasma renin activity 551
- HILLIER, K., see Mathias, C.J. *et al.*
- HILTON, P.J., EDMONDSON, R.P.S., THOMAS, R.D. & PATRICK, J. The effect of external potassium concentration on leucocyte cation transport *in vitro* 385
- HILTON, P.J., see also Edmondson, R.P.S. *et al.*
- HOLLENBERG, N.K., WILLIAMS, G., BURGER, B. & HOOSHMAND, I. The influence of potassium on the renal vasculature and the adrenal gland, and their responsiveness to angiotensin II in normal man 527
- HOOSHMAND, I., see Hollenberg, N.K. *et al.*
- HORNYCH, A., see Papanicolaou, N. *et al.*
- HORTH, C.E., see Ramsay, L.E. *et al.*
- HOWARD, P., see Campbell, R.H.A. *et al.*
- HOWELL, J.B.L., see Matthews, A.W. & Howell, J.B.L.
- IDEO, G., see Davis, M. *et al.*
- IMMS, F.J., see Few, J.D. *et al.*
- ISAAC, R., see Ardaillou, R. *et al.*
- ITSKOVITZ, H.D., see McGiff, J.C. *et al.*
- JAMES, I.M. & MACDONELL, L.A. The role of baroreceptors and chemoreceptors in the regulation of the cerebral circulation 465
- JARECKI, M., see Chodakowska, J. *et al.*
- JASMIN, G., see Dhalla, N.S. *et al.*
- JOHNS, M.W., MASTERTON, J.P., PADDLE-LEDINEK, J.E., PATEL, Y.C., WINIKOFF, D. & MALINEK, M. Variations in thyroid function and sleep in healthy young men 629
- JONES, N.F., see Edmondson, R.P.S. *et al.*
- KANE, S.P. & PETERS, T.J. Analytical subcellular fractionation of human granulocytes with reference to the localization of vitamin B<sub>12</sub>-binding proteins 171
- KATZ, A.I., see Emmanouel, D.S. *et al.*
- KAYE, M. The direct effect of calcium on the hyperparathyroidism of chronic renal failure 481
- KIM, Y.S., see Silk, D.B.A. & Kim, Y.S.
- KING, P.C., see Boddy, K. *et al.*
- KIRBY, B.J., see Clancy, L.J. *et al.*
- KLEINMAN, J.G. & LEVIN, M.L. Effects of pent-4-enoic acid on renal free water, bicarbonate and phosphate excretion in the dog 409
- KRASNER, N., see Dow, J. *et al.*
- KUDCHODKAR, B., see Nestel, P.J. & Kudchodkar, B.
- LAKSHMINARAYAN, S., see Sahn, S.A. *et al.*
- LANE, A.E., see Silk, D.B.A. *et al.*
- LANE, D.A., see Gaffney, P.J. *et al.*
- LAWRIE, T.D.V., see Moore, M.R. *et al.*
- LEE, S.L., see Dhalla, N.S. *et al.*
- LEIBOWITZ, H., see Chaimovitz, C. *et al.*
- LEITCH, A.G., see Clancy, L.J. *et al.*
- LEMAIRE, P., see Alexandre, J.M. *et al.*
- LENNANE, R.J., CAREY, R.M., GOODWIN, T.J. & PEART, W.S. A comparison of natriuresis after oral and intravenous sodium loading in sodium-depleted man: evidence for a gastrointestinal or portal monitor of sodium intake 437
- LENNANE, R.J., PEART, W.S., CAREY, R.M. & SHAW, J. A comparison of natriuresis after oral and

intravenous sodium loading in sodium-depleted rabbits: evidence for a gastrointestinal or portal monitor of sodium intake	433
LEVER, A.F., see Padfield, P.L. <i>et al.</i>	
LEVIN, B., see Simmonds, H.A. <i>et al.</i>	
LEVIN, M.L., see Kleinman, J.G. & Levin, M.L.	
LEVINE, D., see Ramsay, L.E. <i>et al.</i>	
LEWIS, B., see Miller, J.P. <i>et al.</i>	
LEWIS, M.L., see Clark, W.F. <i>et al.</i>	
LIND, A.R., see Wiley, R.L. & Lind, A.R.	
LINDHEIMER, M.D., see Emmanouel, D.S. <i>et al.</i> , see also Oparil, S. <i>et al.</i>	
LONDON, G.M., see Alexandre, J.M. <i>et al.</i>	
LUKE, R.G., see Padfield, P.L. <i>et al.</i>	
LUND-JACOBSEN, H., see Hesse, B. <i>et al.</i>	
MACDONNELL, L.A., see James, I.M. & MacDonell, L.A.	
MACKAY, N., see Ferguson, J.C. <i>et al.</i>	
MACKENZIE, J.F., COCHRAN, K.M. & RUSSELL, R.I. The effect of frusemide on water and electrolyte absorption from the human jejunum	519
MACKIE, C., see Mendelsohn, F.A. & Mackie, C.	
MAHLER, R.F., see Bradley, D.M. & Mahler, R.F.	
MALINEK, M., see Johns, M.W. <i>et al.</i>	
MARSHALL, R.W., see Robertson, W.G. <i>et al.</i>	
MASTERTON, J.P., see Johns, M.W. <i>et al.</i>	
MATHIAS, C.J., CHRISTENSEN, N.J., CORBETT, J.L., FRANKEL, H.L., GOODWIN, T.J. & PEART, W.S. Plasma catecholamines, plasma renin activity and plasma aldosterone in tetraplegic man, horizontal and tilted	291
MATHIAS, C.J., HILLIER, K., FRANKEL, H.L. & SPALDING, J.M.K. Plasma prostaglandin E during neurogenic hypertension in tetraplegic man	625
MATTHEWS, A.W. & HOWELL, J.B.L. The rate of isometric inspiratory pressure development as a measure of responsiveness to carbon dioxide in man	57
MATTHEWS, D.M., see Addison, J.M. <i>et al.</i>	
MAWER, E.B., see Taylor, C.M. <i>et al.</i>	
MAYAUD, C., see Ardaillou, R. <i>et al.</i>	
MCGIFF, J.C., ITSKOVITZ, H.D. & TERRAGNO, N.A. The actions of bradykinin and eledoisin in the canine isolated kidney: relationships to prostaglandins	125
McHENRY, L.C., JR, see Stanley, N.N. <i>et al.</i>	
McKERAN, R.O., see Halliday, D. & McKeran, R.O.	
MEINDERS, A.E., VAN LEEUWEN, A.M., BORST, J.G.G. & CEJKA, V. Paradoxical diuresis after vasopressin administration to patients with neurohypophyseal diabetes insipidus treated with chlorpropamide, carbamazepine or clofibrate	283
MENDELSON, F.A. & MACKIE, C. Relation of intracellular K <sup>+</sup> and steroidogenesis in isolated adrenal zona glomerulosa and fasciculata cells	13
MENDELSON, F.A.O. & WARREN, R.L. Micromethods for the simultaneous measurement of intracellular potassium and corticosterone output of isolated adrenal cortical cells	1
MEREDITH, P.A., see Moore, M.R. <i>et al.</i>	
MEYER, J.L., BERGERT, J.H. & SMITH, L.H. Epitaxial relationships in urolithiasis: the calcium oxalate monohydrate-hydroxyapatite system	369
MILLER, J.P., CHAIT, A. & LEWIS, B. The relationship between dietary fat composition and plasma cholesterol esterification in man	617
MILLIEZ, P., see Papanicolaou, N. <i>et al.</i>	
MOORE, M.R., MEREDITH, P.A., GOLDBERG, A., CARR, K.E., TONER, P.G. & LAWRIE, T.D.V. Cardiac effects of lead in drinking water of rats	337

- MOORE, M.R., see Paxton, J.W. *et al.*
- MYANT, N.B., see Reichl, D. *et al.*
- NAKAJIMA, K., see Fukuchi, S. *et al.*
- NAZAR, K., TATOŃ, J., CHWALBIŃSKA-MONETA, J. & BRZEZINSKA, Z. Adrenergic responses to sustained handgrip in patients with juvenile-onset-type diabetes mellitus 39
- NAZAR, K., see also Chodakowska, J. *et al.*
- NESTEL, P.J. & KUDCHODKAR, B. Plasma squalene as an index of cholesterol synthesis 621
- NIELSEN, I., see Hesse, B. *et al.*
- NIVEZ, M.-P., see Ardaillou, R. *et al.*
- NORDIN, B.E.C., see Robertson, W.G. *et al.*
- OPARIL, S., EHRLICH, E.N. & LINDHEIMER, M.D. Effect of progesterone on renal sodium handling in man: relation to aldosterone excretion and plasma renin activity 139
- PADDLE-LEDINEK, J.E., see Johns, M.W. *et al.*
- PADFIELD, P.L., ALLISON, M.E.M., BROWN, J.J., LEVER, A.F., LUKE, R.G., ROBERTSON, C.C., ROBERTSON, J.I.S. & TREE, M. Effect of intravenous frusemide on plasma renin concentration: suppression of response in hypertension 353
- PAGE, M.A. & GALTON, D.J. Glucose metabolites in blood and adipose tissue of obese diabetic and non-diabetic subjects 27
- PAPANICOLAOU, N., CALLARD, P., BARIETY, J. & MILLIEZ, P. The effect of indomethacin and prostaglandin (PGE<sub>2</sub>) on renal failure due to glycerol in saline-loaded rats 507
- PAPANICOLAOU, N., SAFAR, M., HORNYCH, A., FONTALIRAN, F., WEISS, Y., BARIETY, J. & MILLIEZ, P. The release of renal prostaglandins during saline infusion in normal and hypertensive subjects 459
- PARFITT, A.M. Effect of cellulose phosphate and dietary calcium restriction in primary hyperparathyroidism 91
- PARFITT, A.M. Effect of cellulose phosphate on calcium and magnesium homeostasis: studies in normal subjects and patients with latent hypoparathyroidism 83
- PARK, N.J., see Silk, D.B.A. *et al.*
- PARSONS, V., see Clark, W.F. *et al.*
- PATEL, Y.C., see Johns, M.W. *et al.*
- PATRICK, A.D., see Ellis, R.B. *et al.*
- PATRICK, J., see Edmondson, R.P.S. *et al.*, see also Hilton, P.J. *et al.*
- PAXTON, J.W., MOORE, M.R., BEATTIE, A.D. & GOLDBERG, A. Urinary excretion of 17-oxosteroids in hereditary coproporphyrria 441
- PAYNE, J.W., see Addison, J.M. *et al.*
- PEACOCK, M., see Robertson, W.G. *et al.*
- PEART, W.S., see Lennane, R.J. *et al.*, see also Mathias, C.J. *et al.*
- PERNOW, B., SALTIN, B., WAHREN, J., CRONSTRAND, R. & EKESTRÖM, S. Leg blood flow and muscle metabolism in occlusive arterial disease of the leg before and after reconstructive surgery 265
- PETERS, T.J., see Kane, S.P. & Peters, T.J., see also Segal, A.W. & Peters, T.J.
- PETO, J., see De Swiet, M. *et al.*
- PFLUG, J.J., see Reichl, D. *et al.*
- PHILIP, J.A.D., see Ferguson, J.C. *et al.*
- PIERSON, D.J., see Sahn, S.A. *et al.*
- POSTIGLIONE, A., see Reichl, D. *et al.*
- POUPON, R., see Erlinger, S. *et al.*
- POWIS, D.A., see Angell-James, J.E. & Powis, D.A.
- PRESS, M., see Reichl, D. *et al.*

- RAMSAY, L.E., AUTY, R.M., HORTH, C.E., LEVINE, D., SHELTON, J.R. & BRANCH, R.A. Plasma uric acid concentration related to the urinary excretion of aldosterone and of electrolytes in normal subjects 613
- RECORD, C.O., CHASE, R.A., ALBERTI, K.G.M.M. & WILLIAMS, R. Disturbances in glucose metabolism in patients with liver damage due to paracetamol overdose 473
- REEVE, A., see Taylor, C.M. *et al.*
- REICHL, D., POSTIGLIONE, A., MYANT, N.B., PFLUG, J.J. & PRESS, M. Observations on the passage of apoproteins from plasma lipoproteins into peripheral lymph in two men 419
- ROBERTSON, C.C., see Padfield, P.L. *et al.*
- ROBERTSON, J.I.S., see Padfield, P.L. *et al.*
- ROBERTSON, W.G., PEACOCK, M., MARSHALL, R.W., SPEED, R. & NORDIN, B.E.C. Seasonal variations in the composition of urine in relation to calcium stone-formation 597
- RUSSELL, R.G.G., see Walton, R.J. *et al.*
- RUSSELL, R.I., see MacKenzie, J.F. *et al.*
- SAFAR, M., see Papanicolaou, N. *et al.*
- SAFAR, M.E., see Alexandre, J.M. *et al.*
- SAHN, S.A., LAKSHMINARAYAN, S., PIERSON, D.J. & WEIL, J.V. Effect of ethanol on the ventilatory responses to oxygen and carbon dioxide in man 33
- SALISBURY, B.G., see Stanley, N.N. *et al.*
- SALTIN, B., see Pernow, B. *et al.*
- SEGAL, A.W., GREGORIADIS, G. & BLACK, C.D.V. Liposomes as vehicles for the local release of drugs 99
- SEGAL, A.W. & PETERS, T.J. The nylon column dye test: a possible screening test of phagocyte function 591
- SHAW, J., see Lennane, R.J. *et al.*
- SHELTON, J.R., see Ramsay, L.E. *et al.*
- SILK, D.B.A., FAIRCLOUGH, P.D., PARK, N.J., LANE, A.E., WEBB, J.P.W., CLARK, M.L. & DAWSON, A.M. A study of relations between the absorption of amino acids, dipeptides, water and electrolytes in the normal human jejunum 401
- SILK, D.B.A. & KIM, Y.S. A study of intraluminal peptide hydrolase activity in the rat 523
- SIMMONDS, H.A., LEVIN, B. & CAMERON, J.S. Variations in allopurinol metabolism by xanthinuric subjects 81
- SINGH, A., see Dhalla, N.S. *et al.*
- SKÓRKA, B., see Chodakowska, J. *et al.*
- SLEISENGER, M.H., see Addison, J.M. *et al.*
- SMITH, L.H., see Meyer, J.L. *et al.*
- SMITH, R., see Walton, R.J. *et al.*
- SPALDING, J.M.K., see Mathias, C.J. *et al.*
- SPEED, R., see Robertson, W.G. *et al.*
- SPIERER, A., see Chaimovitz, C. *et al.*
- SRAER, J.-D., see Ardaillou, R. *et al.*
- STANLEY, N.N., SALISBURY, B.G., MCHENRY, L.C., JR & CHERNIACK, N.S. Effect of liver failure on the response of ventilation and cerebral circulation to carbon dioxide in man and in the goat 157
- SUGITA, A., see Fukuchi, S. *et al.*
- SUMNER, D.J., see Ferguson, J.C. *et al.*
- TAIT, C.E., see Hesp, R. *et al.*
- TAKENOUCHI, T., see Fukuchi, S. *et al.*
- TATO<sup>N</sup>, J., see Nazar, K. *et al.*
- TAVILL, A.S., see Cooksley, W.G.E. & Tavill, A.S.
- TAYLOR, C.M., MAWER, E.B. & REEVE, A. The effects of a diphosphonate and dietary calcium on the metabolism of vitamin D<sub>3</sub> (cholecalciferol) in the chick 391



- TERRAGNO, N.A., see McGiff, J.C. *et al.*
- THJODLEIFSSON, B. & WORMSLEY, K.G. Effects of metiamide on the human stomach 445
- THOMAS, R.D., see Edmondson, R.P.S. *et al.*, see also Hilton, P.J. *et al.*
- TIBBLIN, G., see Berglund, G. *et al.*
- TODESCO, S., see Favaro, S. *et al.*
- TONER, P.G., see Moore, M.R. *et al.*
- TREE, M., see Padfield, P.L. *et al.*
- TUMA, S., see Chaimovitz, C. *et al.*
- UNGAR, A., see Clancy, L.J. *et al.*
- VANDONGEN, R. Inhibition of renin secretion in the isolated rat kidney by antidiuretic hormone 73
- VANDONGEN, R. & GREENWOOD, D.M. The stimulation of renin secretion by non-vasoconstrictor infusions of adrenaline and noradrenaline in the isolated rat kidney 609
- VAN LEEUWEN, A.M., see Meinders, A.E. *et al.*
- WAHREN, J., see Pernow, B. *et al.*
- WALTON, R.J., RUSSELL, R.G.G. & SMITH, R. Changes in the renal and extrarenal handling of phosphate induced by disodium etidronate (EHDP) in man 45
- WARREN, R.L., see Mendelsohn, F.A.O. & Warren, R.L.
- WATANABE, H., see Fukuchi, S. *et al.*
- WEBB, J.P.W., see Silk, D.B.A. *et al.*
- WEBER, H., see Fine, L.G. & Weber, H.
- WEIL, J.V., see Sahn, S.A. *et al.*
- WEINER, J.S., see Few, J.D. *et al.*
- WEINMAN, E.J. & EKNOYAN, G. Chronic effects of chlorothiazide on reabsorption by the proximal tubule of the rat 107
- WEISS, Y., see Alexandre, J.M. *et al.*, see also Papanicolaou, N. *et al.*
- WILEY, R.L. & LIND, A.R. Respiratory responses to simultaneous static and rhythmic exercises in humans 427
- WILKINSON, S., see Addison, J.M. *et al.*
- WILLCOX, P., see Ellis, R.B. *et al.*
- WILLIAMS, G., see Hollenberg, N.K. *et al.*
- WILLIAMS, R., see Davis, M. *et al.*, see also Record, C.O. *et al.*
- WINIKOFF, D., see Johns, M.W. *et al.*
- WOCIAL, B., see Chodakowska, J. *et al.*
- WORATHUMRONG, N. & GRIMES, A.J. Anaerobic glycolysis in normal human erythrocytes incubated *in vitro* with sodium salicylate 375
- WORMSLEY, K.G., see Thjodleifsson, B. & Wormsley, K.G.
- ZEN, A., see Favaro, S. *et al.*

## SUBJECT INDEX

- Absorption, intestinal, nature of complexes formed by copper with human alimentary secretions and their influence on, of copper in the rat GOLLAN, J.L. 237-245
- N*-Acetyl- $\beta$ -D-glucosaminidase, resolution of, and  $\alpha$ -L-fucosidase components in I-cell disease by DEAE-cellulose column chromatography ELLIS, R.B., WILLCOX, P. & PATRICK, A.D. 543-550
- Adenomas, adrenal, location of, producing aldosterone by determination of plasma aldosterone in adrenal vein or renal vein blood FUKUCHI, S., TAKENOUCI, T., NAKAJIMA, K., WATANABE, H. & SUGITA, A. 187-192
- Adenosine triphosphatase, activities of, in dystrophic skeletal muscle of genetically myopathic hamster DHALLA, N.S., SINGH, A., LEE, S.L., ANAND, M.B., BERNATSKY, A.M. & JASMIN, G. 359-368
- Adipocytes, metabolism of glucose in, of obese diabetic and non-diabetic subjects PAGE, M.A. & GALTON, D.J. 27-32
- Adrenal cortex, micromethods for simultaneous measurement of intracellular potassium and corticosterone output of isolated cells of MENDELSON, F.A.O. & WARREN, R.L. 1-12
- Adrenal cortex, relation of intracellular  $K^+$  and steroidogenesis in isolated zone glomerulosa and fasciculata cells of MENDELSON, F.A. & MACKIE, C. 13-26
- Adrenal gland, influence of potassium on, and the response to angiotensin II in normal man HOLLENBERG, N.K., WILLIAMS, G., BURGER, B. & HOOSHMAND, I. 527-534
- Adrenal gland, weight and catecholamine content of, in renal and calciferol-induced hypertension in rabbits ANGELL-JAMES, J.E. & POWIS, D.A. 183-186
- Adrenal, location of aldosterone-producing adenomas of, by determination of plasma aldosterone in adrenal vein or renal vein blood FUKUCHI, S., TAKENOUCI, T., NAKAJIMA, K., WATANABE, H. & SUGITA, A. 187-192
- Adrenaline, arterial concentration of, in hypoxic exercise in man CLANCY, L.J., CRITCHLEY, J.A.J.H., LEITCH, A.G., KIRBY, B.J., UNGAR, A. & FLENLEY, D.C. 503-506
- Adrenaline, stimulation of renin secretion by non-vasoconstrictor infusions of, in the isolated rat kidney VANDONGEN, R. & GREENWOOD, D.M. 609-612
- Adrenocorticotrophic hormone, plasma content of, in subjects undergoing static exercise FEW, J.D., IMMS, F.J. & WEINER, J.S. 201-206
- Adrenoreceptors, involvement of, in stimulation of renin secretion by catecholamine infusion VANDONGEN, R. & GREENWOOD, D.M. 609-612
- Aetiocolcholanolone, urinary excretion of, in hereditary coproporphyrria PAXTON, J.W., MOORE, M.R., BEATTIE, A.D. & GOLDBERG, A. 441-444
- $\beta$ -Alanlyglycylglycine, evidence for active transport of, by isolated rings of everted hamster jejunum ADDISON, J.M., BURSTON, D., PAYNE, J.W., WILKINSON, S. & MATTHEWS, D.M. 305-312
- $\beta$ -Alanlyglycylglycine, uptake of, by isolated rings of everted hamster jejunum ADDISON, J.M., BURSTON, D., DALRYMPLE, J.A., MATHEWS, D.M., PAYNE, J.W., SLEISENGER, M.H. & WILKINSON, S. 313-322
- Alcohol dehydrogenase, hepatic, activity of, and the ascorbic acid in leucocytes of patients with liver disease DOW, J., KRASNER, N. & GOLDBERG, A. 603-608
- Aldosterone, influence of potassium on plasma concentration of, and its response to angiotensin II in normal man HOLLENBERG, N.K., WILLIAMS, G., BURGER, B. & HOOSHMAND, I. 527-534
- Aldosterone, plasma, location of aldosterone-producing adenomas by determination of, in adrenal vein or renal vein blood FUKUCHI, S., TAKENOUCI, T., NAKAJIMA, K., WATANABE, H. & SUGITA, A. 187-192
- Aldosterone, plasma, measurement of, in tetraplegic man when horizontal and tilted MATHIAS, C.J., CHRISTENSEN, N.J., CORBETT, J.L., FRANKEL, H.L., GOODWIN, T.J. & PEART, W.S. 291-299
- Aldosterone, plasma uric acid concentration related to urinary excretion of, and of electrolytes in normal subjects RAMSAY, L.E., AUTY, R.M., HORTH, C.E., LEVINE, D., SHELTON, J.R. & BRANCH, R.A. 613-616
- Aldosterone, relation of intracellular  $K^+$  and production of, in isolated adrenal zona glomerulosa and fasciculata cells MENDELSON, F.A. & MACKIE, C. 13-26

- Alkalosis, effect of, on response of ventilation and cerebral circulation to carbon dioxide in man and goat  
STANLEY, N.N., SALISBURY, L.C., MCHENRY, L.C. & CHERNIACK, N.S. 157-169
- Allopurinol, variations in metabolism of, by xanthinuric subjects (Correspondence) SIMMONDS, H.A., LEVIN, B. & CAMERON, J.S. 81-82
- Amino acids, relations between absorption of, and dipeptides, water and electrolytes in normal human jejunum  
SILK, D.B.A., FAIRCLOUGH, P.D., PARK, N.J., LANE, A.E., WEBB, J.P.W., CLARK, M.L. & DAWSON, A.M. 401-408
- Anaemia, megaloblastic, changes in serum potassium and total-body potassium in HESP, R., CHANARIN, I. & TAIT, C.E. 77-79
- Androsterone, urinary excretion of, in hereditary coproporphyria PAXTON, J.W., MOORE, M.R., BEATTIE, A.D. & GOLDBERG, A. 441-444
- Angiotensin II, influence of potassium on the renal vasculature and adrenal gland and their response to, in normal man HOLLENBERG, N.K., WILLIAMS, G., BURGER, B. & HOOSHMAND, I. 527-534
- Antidiuretic hormone, inhibition of renin secretion in the isolated rat kidney by VANDONGEN, R. 73-76
- Antidiuretic hormone, location of antidiuretic action of chlorpropamide, carbamazepine and clofibrate at renal receptor site for MEINDERS, A.E., VAN LEEUWEN, A.M., BORST, J.G.G. & CEJKA, V. 283-290
- Antigen-antibody complex, intrarenal platelet consumption in diffuse proliferative nephritis of systemic lupus erythematosus and formation of CLARK, W.F., LEWIS, M.L., CAMERON, J.S. & PARSONS, V. 247-252
- Antihistaminic H<sub>2</sub>, effect of, on the human stomach THJODLEIFSSON, B. & WORMSLEY, K.G. 445-458
- Apolipoproteins, radioactive, passage of, from plasma lipoproteins into peripheral lymph in two men REICHL, D., POSTIGLIONE, A., MYANT, N.B., PFLUG, J.J. & PRESS, M. 419-426
- Ascorbic acid, hepatic alcohol dehydrogenase activity and content of, in leucocytes of patients with liver disease DOW, J., KRASNER, N. & GOLDBERG, A. 603-608
- Baroreceptors, role of, in the regulation of the dog's cerebral circulation JAMES, I.M. & MACDONNELL, L.A. 465-471
- Bicarbonate, effects of pent-4-enoic acid on renal excretion of, in the dog KLEINMAN, J.G. & LEVIN, M.L. 409-417
- Bicycle ergometer, respiratory responses to exercise on, with simultaneous hand-grip exercise WILEY, R.L. & LIND, A.R. 427-432
- Bile, copper-binding by and intestinal absorption of copper from GOLLAN, J.L. 237-245
- Bile, dog, effect of lysine acetylsalicylate on lipid secretion in ERLINGER, S., BIENFAIT, D., POUPON, R., DUMONT, M. & DUVAL, M. 253-256
- Bilirubin, influence of diet on plasma concentration of, in the Gunn rat GOLLAN, J.L., HATT, K.J. & BILLING, B.H. 229-235
- Blood, collection of specimens of, with a modified double-lumen catheter GARRIOCH, D.B. 121-124
- Blood flow, cerebral, effect of liver failure on response of, to carbon dioxide in man and goat STANLEY, N.N., SALISBURY, B.G., MCHENRY, L.C. & CHERNIACK, N.S. 157-169
- Blood flow, renal, influence of potassium on, and the response to angiotensin II in normal man HOLLENBERG, N.K., WILLIAMS, G., BURGER, B. & HOOSHMAND, I. 527-534
- Blood, glucose metabolites in, and adipose tissue of obese diabetic and non-diabetic subjects PAGE, M.A. & GALTON, D.J. 27-32
- Blood pressure, arterial, effect of sustained handgrip on, in patients with juvenile-onset-type diabetes mellitus NAZAR, K., TATOŃ, J., CHWALBIŃSKA-MONETA, J. & BREZIŃSKA, Z. 39-44
- Blood pressure, systolic, variation of, during the first 6 days of life DE SWIET, M., FANCOURT, R. & PETO, J. 557-561
- Blood volume, effect of reduction in, on plasma renin activity in man HESSE, B., NIELSEN, I. & HANSEN, J.F. 515-517
- Body water, observations on, in patients with chronic cor pulmonale CAMPBELL, R.H.A., BRAND, H.L., COX, J.R. & HOWARD, P. 323-335

- Bradykinin, action of, in isolated canine kidney MCGIFF, J.C., ITSKOVITZ, H.D. & TERRAGNO, N.A. 125-131
- Bromosulphthalein, impaired hepatic clearance of, and glutathione depletion early after paracetamol overdose in man and rat DAVIS, M., IDEO, G., HARRISON, N.G. & WILLIAMS, R. 495-502
- Bronchitis, chronic, body weight and body water in patients with CAMPBELL, R.H.A., BRAND, H.L., COX, J.R. & HOWARD, P. 323-335
- Calcitonin, increased plasma concentrations of, in patients with acute renal failure ARDAILLOU, R., BEAUFILS, M., NIVEZ, M.-P., ISAAC, R., MAYAUD, C. & SRAER, J.-D. 301-304
- Calcium, dietary, effect of cellulose phosphate and restriction of, in primary hyperparathyroidism PARFITT, A.M. 91-98
- Calcium, direct effect of, on the hyperparathyroidism of chronic renal failure KAYE, M. 481-484
- Calcium, effect of cellulose phosphate on, in normal subjects and patients with latent hypoparathyroidism PARFITT, A.M. 83-90
- Calcium, effect of disodium etidronate on concentration of, in plasma and urine of man WALTON, R.J., RUSSELL, R.G.G. & SMITH, R. 45-56
- Calcium, effect of, on the metabolism of cholecalciferol in the chick TAYLOR, C.M., MAWER, E.B. & REEVE, A. 391-400
- Calcium oxalate, urinary stones and the hydroxyapatite system with MEYER, J.L., BERGERT, J.H. & SMITH, L.H. 369-374
- Calcium, seasonal variations in the urinary excretion of, in relation to calcium stone-formation ROBERTSON, W.G., PEACOCK, M., MARSHALL, R.W., SPEED, R. & NORDIN, B.E.C. 597-602
- Calcium, transport of, in dystrophic skeletal muscle of genetically myopathic hamster DHALLA, N.S., SINGH, A., LEE, S.L., ANAND, M.B., BERNATSKY, A.M. & JASMIN, G. 359-368
- Calculi, urinary, seasonal variations in composition of urine in relation to formation of ROBERTSON, W.G., PEACOCK, M., MARSHALL, R.W., SPEED, R. & NORDIN, B.E.C. 597-602
- Carbamazepine, paradoxical diuresis after vasopressin administration to patients with neurohypophyseal diabetes insipidus treated with MEINDERS, A.E., VAN LEEUWEN, A.M., BORST, J.G.G. & CEJKA, V. 283-290
- Carbohydrate, influence of, in the diet on unconjugated hyperbilirubinaemia of Gunn rats GOLLAN, J.L., HATT, K.J. & BILLING, B.H. 229-235
- Carbon dioxide, effect of ethanol on the ventilatory responses to, in man SAHN, S.A., LAKSHMINARAYAN, S., PIERSON, D.J. & WEIL, J.V. 33-38
- Carbon dioxide, effect of liver failure on responses of ventilation and cerebral circulation to, in man and goat STANLEY, N.N., SALISBURY, L.C., MCHENRY, L.C. & CHERNIACK, N.S. 167-169
- Carbon dioxide, rate of isometric inspiratory pressure development as a measure in man of responsiveness to MATTHEWS, A.W. & HOWELL, J.B.L. 57-68
- Cardiac output, measurements of, and plasma dopamine  $\beta$ -hydroxylase activity in essential hypertension ALEXANDRE, J.M., LONDON, G.M., CHEVILLARD, C., LEMAIRE, P., SAFAR, M.E. & WEISS, Y. 573-579
- Cardiopulmonary blood volume, measurements of, and plasma dopamine  $\beta$ -hydroxylase activity in essential hypertension ALEXANDRE, J.M., LONDON, G.M., CHEVILLARD, C., LEMAIRE, P., SAFAR, M.E. & WEISS, Y. 573-579
- Catecholamine, adrenal weight and content of, in renal and calciferol-induced hypertension in rabbits ANGELL-JAMES, J.E. & POWIS, D.A. 183-186
- Catecholamines, arterial, concentrations of, during hypoxic exercise in man CLANCY, L.J., CRITCHLEY, J.A.J.H., LEITCH, A.G., KIRBY, B.J., UNGAR, A. & FLENLEY, D.C. 503-506
- Catecholamines, changes in plasma concentrations of, in subjects undergoing static exercise FEW, J.D., IMMS, F.J. & WEINER, J.S. 201-206
- Catecholamines, plasma, measurement of, in tetraplegic man when horizontal and tilted MATHIAS, C.J., CHRISTENSEN, N.J., CORBETT, J.L., FRANKEL, H.L., GOODWIN, T.J. & PEART, W.S. 291-299

- Catecholamines, stimulation of renin secretion by non-vasoconstrictor infusions of, in the isolated rat kidney  
VANDONGEN, R. & GREENWOOD, D.M. 609-612
- Catheter, modified double-lumen, continuous blood sampling with GARRIOCH, D.B. 121-124
- Cellulose phosphate, effect of, and dietary calcium restriction in primary hyperparathyroidism PARFITT, A.M.  
91-98
- Cellulose phosphate, effect of, on calcium and magnesium homeostasis in normal subjects and patients with  
latent hypoparathyroidism PARFITT, A.M. 83-90
- Cerebrum, dog, role of baroreceptors and chemoreceptors in the regulation of the circulation in JAMES, I.M.  
& MACDONELL, L.A. 465-471
- Chemoreceptors, role of, in the regulation of the dog's cerebral circulation JAMES, I.M. & MACDONELL, L.A.  
465-471
- Chemotherapy, liposomes as vehicles in SEGAL, A.W., GREGORIADIS, G. & BLACK, C.D.V. 99-106
- Childhood coeliac disease, total body potassium in BODDY, K., KING, P.C. & CARSWELL, F. 133-137
- Chlorothiazide, chronic effects of, on reabsorption by the proximal tubule of the rat WEINMAN, E.J. &  
EKNOYAN, G. 107-113
- Chlorpropamide, paradoxical diuresis after vasopressin administration to patients with neurohypophyseal  
diabetes insipidus treated with MEINDERS, A.E., VAN LEEUWEN, A.M., BORST, J.G.G. & CEJKA, V.  
283-290
- Cholecalciferol, effects of a diphosphonate and dietary calcium on the metabolism of, in the chick TAYLOR,  
C.M., MAWER, E.B. & REEVE, A. 391-400
- Cholesterol, effect of lysine acetylsalicylate on biliary secretion of, in dogs ERLINGER, S., BIENFAIT, D.,  
POUPON, R., DUMONT, M. & DUVAL, M. 253-256
- Cholesterol, plasma, dietary fat composition and esterification of, in man MILLER, J.P., CHAIT, A. & LEWIS,  
B. 617-620
- Cholesterol, plasma squalene as an index of synthesis of NESTEL, P.J. & KUDCHODKAR, B. 621-624
- Circadian rhythm, serum thyroxine concentration and, in man JOHNS, M.W., MASTERTON, J.P., PADDLE-  
LEDINEK, J.E., PATEL, Y.C., WINIKOFF, D. & MALINEK, M. 629-632
- Circulation, cerebral, dog, role of baroreceptors and chemoreceptors in the regulation of JAMES, I.M. &  
MACDONELL, L.A. 465-471
- Clofibrate, effect of, on formation of plasma free cholesterol from squalene NESTEL, P.J. & KUDCHODKAR, B.  
621-624
- Clofibrate, paradoxical diuresis after vasopressin administration to patients with neurohypophyseal diabetes  
insipidus treated with MEINDERS, A.E., VAN LEEUWEN, A.M., BORST, J.G.G. & CEJKA, V. 283-290
- Closing volume, comparison of, in healthy subjects and in patients with left heart disease COLLINS, J.V.,  
CLARK, T.J.H. & BROWN, D.J. 217-228
- Coeliac disease, total body potassium in children with particular reference to BODDY, K., KING, P.C. &  
CARSWELL, F. 133-137
- Colestipol, effect of, on formation of plasma free cholesterol from squalene NESTEL, P.J. & KUDCHODKAR, B.  
621-624
- Concentration, urinary, dilution and, after unilateral nephrectomy in the rat EMMANOUEL, D.S., LINDHEIMER,  
M.D. & KATZ, A.I. 563-572
- Copper, nature of complexes formed by, with human alimentary secretions and their influence on copper  
absorption in the rat GOLLAN, J.L. 237-245
- Coproporphyrin, hereditary, urinary excretion of 17-oxosteroids in PAXTON, J.W., MOORE, M.R., BEATTIE,  
A.D. & GOLDBERG, A. 441-444
- Corticosterone, micromethods for the simultaneous measurement of intracellular potassium and output of, of  
isolated adrenal cortical cells MENDELSON, F.A.O. & WARREN, R.L. 1-12
- Corticosterone, relation of intracellular K<sup>+</sup> and production of, in isolated adrenal zona glomerulosa and  
fasciculata cells MENDELSON, F.A. & MACKIE, C. 13-26
- Cortisol, changes in plasma concentration of, in subjects undergoing static exercise FEW, J.D., IMMS, F.J.  
& WEINER, J.S. 201-206

- Cyanocobalamin, heterogeneity of hepatic vitamin B<sub>12</sub> in the rat after parenteral administration of COOKSLEY, W.G.E. & TAVILL, A.S. 257-264
- D dimer, occurrence of, in fragments from plasmin-induced degradation of cross-linked human fibrin GAFFNEY, P.J., LANE, D.A. & BRASHER, M. 149-156
- Diabetes, glucose metabolites in blood and adipose tissue of obese patients with PAGE, M.A. & GALTON, D.J. 27-32
- Diabetes insipidus, neurohypophyseal, paradoxical diuresis after vasopressin administration to patients with, treated with chlorpropamide, carbamazepine or clofibrate MEINDERS, A.E., VAN LEEUWEN, A.M., BORST, J.G.G. & CEJKA, V. 283-290
- Diabetes mellitus, determination of platelet and fibrinogen half-life in normal subjects and in patients with FERGUSON, J.C., MACKAY, N., PHILIP, J.A.D. & SUMNER, D.J. 115-120
- Diabetes mellitus, juvenile-onset-type, adrenergic responses to sustained handgrip in patients with NAZAR, K., TATOŃ, J., CHWALBINSKA-MONETA, J. & BREZIŃSKA, Z. 39-44
- Diazoxide, effect of, on renal handling of sodium in the rat FINE, L.G. & WEBER, H. 277-282
- 24,25-Dihydroxycholecalciferol, production of, from cholecalciferol in chicks treated with a diphosphonate TAYLOR, C.M., MAWER, E.B. & REEVE, A. 391-400
- Dilution, urinary, concentration and, after unilateral nephrectomy in the rat EMMANOUEL, D.S., LINDHEIMER, M.D. & KATZ, A.I. 563-572
- Dipeptides, relations between absorption of, and amino acids, water and electrolytes in normal human jejunum SILK, D.B.A., FAIRCLOUGH, P.D., PARK, N.J., LANE, A.E., WEBB, J.P.W., CLARK, M.L. & DAWSON, A.M. 401-408
- Dopamine  $\beta$ -hydroxylase, plasma activity of, in essential hypertension ALEXANDRE, J.M., LONDON, G.M., CHEVILLARD, C., LEMAIRE, P., SAFAR, M.E. & WEISS, Y. 573-579
- Drug therapy, liposomes as vehicles in SEGAL, A.W., GREGORIADIS, G. & BLACK, C.D.V. 99-106
- E fragments, soluble, nature of, of high molecular weight in plasmin-induced degradation products of cross-linked human fibrin GAFFNEY, P.J., LANE, D.A. & BRASHER, M. 149-156
- EHDP *see* Sodium etidronate
- Electrolytes, effect of frusemide on absorption of water and, from human jejunum MACKENZIE, J.F., COCHRAN, K.M. & RUSSELL, R.I. 519-521
- Electrolytes, intracellular, micromethods for simultaneous measurement of, and corticosterone output of isolated adrenal cortical cells MENDELSON, F.A.O. & WARREN, R.L. 1-12
- Electrolytes, intracellular, relation of, and steroidogenesis in isolated adrenal zona glomerulosa and fasciculata cells MENDELSON, F.A. & MACKIE, C. 13-26
- Electrolytes, relations between absorption of, and amino acids, dipeptides and water in normal human jejunum SILK, D.B.A., FAIRCLOUGH, P.D., PARK, N.J., LANE, A.E., WEBB, J.P.W., CLARK, M.L. & DAWSON, A.M. 401-408
- Eledoisin, action of, in isolated canine kidney MCGIFF, J.C., ITSKOVITZ, H.D. & TERRAGNO, N.A. 125-131
- Epitaxy, crystal growth by, in urolithiasis MEYER, J.L., BERGERT, J.H. & SMITH, L.H. 369-374
- Erythrocyte, human, normal, anaerobic glycolysis in, incubated *in vitro* with sodium salicylate WORATHUM-RONG, N. & GRIMES, A.J. 375-384
- Essential hypertension *see* Hypertension, essential
- Ethane-1-hydroxy-1,1-diphosphonate, effect of, on the metabolism of cholecalciferol in the chick TAYLOR, C.M., MAWER, E.B. & REEVE, A. 391-400
- Ethanol, effect of, on the ventilatory responses to oxygen and carbon dioxide in man SAHN, S.A., LAKSHMINARAYAN, S., PIERSON, D.J. & WEIL, J.V. 33-38
- Exercise, isometric, adrenergic responses to, in patients with juvenile-onset-type diabetes mellitus NAZAR, K., TATOŃ, J., CHWALBINSKA-MONETA, J. & BREZIŃSKA, Z. 39-44
- Exercise, leg blood flow and muscle metabolism during, in patients with occlusive arterial disease of the leg

- before and after reconstructive surgery PERNOW, B., SALTIN, B., WAHREN, J., CRONSTRAND, R. & EKESTRÖM, S. 265-275
- Exercise, minute ventilation and arterial concentrations of catecholamines during, with hypoxia in man CLANCY, L.J., CRITCHLEY, J.A.J.H., LEITCH, A.G., KIRBY, B.J., UNGAR, A. & FLENLEY, D.C. 503-506
- Exercise, simultaneous static and rhythmic, respiratory responses to, in man WILEY, R.L. & LIND, A.R. 427-432
- Exercise, static, pituitary-adrenal response to, in man FEW, J.D., IMMS, F.J. & WEINER, J.S. 201-206
- Exercise, upright, effect of, on plasma catecholamines and renin activity in patients with essential hypertension CHODAKOWSKA, J., NAZAR, K., WOCIAL, B., JARECKI, M. & SKÓRKA, B. 511-514
- Extracellular fluid, effect of diazoxide and control of volume of, in the rat FINE, L.G. & WEBER, H. 277-282
- Extracellular fluid, effect of indomethacin and prostaglandin E<sub>2</sub> on renal failure due to glycerol in rats with increased volume of PAPANICOLAOU, N., CALLARD, P., BARIETY, J. & MILLIEZ, P. 507-510
- Fat, dietary, composition of, and plasma cholesterol esterification in man MILLER, J.P., CHAIT, A. & LEWIS, B. 617-620
- Fibrinogen, cross-linked, human, soluble high-molecular-weight E fragments in plasmin-induced degradation products of GAFFNEY, P.J., LANE, D.A. & BRASHER, M. 149-156
- Fibrinogen, determination of half-life of, with [<sup>75</sup>Se]selenomethionine in normal and in diabetic subjects FERGUSON, J.C., MACKAY, N., PHILIP, J.A.D. & SUMNER, D.J. 115-120
- Fibroblasts, skin, cultured, resolution of glucosaminidase components by cellulose column chromatography of, from patients with I-cell disease ELLIS, R.B., WILLCOX, P. & PATRICK, A.D. 543-550
- Free thyroxine index, diurnal variation in, in man JOHNS, M.W., MASTERTON, J.P., PADDLE-LEDINEK, J.E., PATEL, Y.C., WINIKOFF, D. & MALINEK, M. 629-632
- Furosemide, early effects of intravenous injection of, on central haemodynamics, venous tone and plasma renin activity HESSE, B., NIELSEN, I. & LUND-JACOBSEN, H. 551-555
- Furosemide, effect of, on water and electrolyte absorption from human jejunum MACKENZIE, J.F., COCHRAN, K.M. & RUSSELL, R.I. 519-521
- $\alpha$ -L-Fucosidase, resolution of, and *N*-acetyl- $\beta$ -D-glucosaminidase components in I-cell disease by DEAE-cellulose column chromatography ELLIS, R.B., WILLCOX, P. & PATRICK, A.D. 543-550
- Gastric acidity, effects of metiamide on gastric secretion and THJODLEIFSSON, B. & WORMSLEY, K.G. 445-458
- Glomerular filtration rate, effect of progesterone on, in man OPARIL, S., EHRLICH, E.N. & LINDHEIMER, M.D. 139-147
- Glomerular filtration rate, urinary noradrenaline secretion and, in normal and hypertensive 50-year-old men BERGLUND, G., TIBBLIN, G. & AURELL, M. 485-493
- Glucose, metabolites of, in blood and adipose tissue of obese diabetic and non-diabetic subjects PAGE, M.A. & GALTON, D.J. 27-32
- Glucose tolerance, tests of, in patients with liver damage due to paracetamol overdose RECORD, C.O., CHASE, R.A., ALBERTI, K.G.M.M. & WILLIAMS, R. 473-479
- Glutathione, hepatic, depletion of, and impaired bromosulphthalein clearance early after paracetamol overdose in man and rat DAVIS, M., IDEO, G., HARRISON, N.G. & WILLIAMS, R. 495-502
- Glycerol, effect of indomethacin and prostaglandin E<sub>2</sub> in saline-loaded rats in renal failure induced by PAPANICOLAOU, N., CALLARD, P., BARIETY, J. & MILLIEZ, P. 507-510
- Glycolysis, anaerobic, in normal human erythrocytes incubated *in vitro* with sodium salicylate WORATHUM-RONG, N. & GRIMES, A.J. 375-384
- Glycyl-L-phenylalanine, intraluminal peptide hydrolase activity towards, in the rat SILK, D.B.A. & KIM, Y.S. 523-526
- Glycylsarcosylsarcosine, evidence for active transport of, by isolated rings of everted hamster jejunum ADDISON, J.M., BURSTON, D., PAYNE, J.W., WILKINSON, S. & MATTHEWS, D.M. 305-312

- Glycylsarcosylsarcosine, uptake of, by isolated rings of everted hamster jejunum ADDISON, J.M., BURSTON, D., DALRYMPLE, J.A., MATTHEWS, D.M., PAYNE, J.W., SLEISENGER, M.H. & WILKINSON, S. 313-322
- Glycylsarcosylsarcosylsarcosine, uptake of, by isolated rings of everted hamster jejunum ADDISON, J.M., BURSTON, D., DALRYMPLE, J.A., MATTHEWS, D.M., PAYNE, J.W., SLEISENGER, M.H. & WILKINSON, S. 313-322
- Granulocytes, human, analytical subcellular fractionation of, with reference to the localization of vitamin B<sub>12</sub>-binding proteins KANE, S.P. & PETERS, T.J. 171-182
- Granulomatous disease, chronic, abnormal results of nylon column dye test in patients with SEGAL, A.W. & PETERS, T.J. 591-596
- Growth hormone, paradoxical increase in serum concentration of, after glucose tolerance tests in patients with liver damage due to paracetamol overdose RECORD, C.O., CHASE, R.A., ALBERTI, K.G.M.M. & WILLIAMS, R. 473-479
- Guidance for Authors i-xvii
- Gunn rat, influence of diet on the unconjugated hyperbilirubinaemia of GOLLAN, J.L., HATT, K.J. & BILLING, B.H. 229-235
- Haemodynamics, central, early effects of intravenous frusemide on HESSE, B., NIELSEN, I. & LUND-JACOBSEN, H. 551-555
- Haemodynamics, effect of changes in, on plasma renin activity in man HESSE, B., NIELSEN, I. & HANSEN, J.F. 515-517
- Haemodynamics, renal effect of progesterone on sodium handling and, in man OPARIL, S., EHRLICH, E.N. & LINDHEIMER, M.D. 139-147
- Haemorrhage, effect of, on plasma renin activity in man HESSE, B., NIELSEN, I. & HANSEN, J.F. 515-517
- Hand-grip exercise, respiratory response to, during simultaneous rhythmic exercise WILEY, R.L. & LIND, A.R. 427-423
- Hardness, water, effect of, on cardiac effects of lead MOORE, M.R., MEREDITH, P.A., GOLDBERG, A., CARR, K.E., TONER, P.G. & LAWRIE, T.D.V. 337-341
- Heart disease, left, airway function in patients with COLLINS, J.V., CLARK, T.J.H. & BROWN, D.J. 217-228
- Heart, rat, effects of lead in drinking water on MOORE, M.R., MEREDITH, P.A., GOLDBERG, A., CARR, K.E., TONER, P.G. & LAWRIE, T.D.V. 337-341
- Heart rate, effect of sustained handgrip on, in patients with juvenile-onset-type diabetes mellitus NAZAR, K., TATON, J., CHWALBINSKA-MONETA, J. & BREZIŃSKA, Z. 39-44
- Heart rate, relationship of, to blood pressure during the first 6 days of life DE SWIET, M., FANCOURT, R. & PETO, J. 557-561
- Hydroxyapatite, urinary stones and the calcium oxalate monohydrate system with MEYER, J.L., BERGERT, J.H. & SMITH, L.H. 369-374
- p*-Hydroxymercuribenzoate, intraluminal peptide hydrolase activity in the presence and absence of, in the rat SILK, D.B.A. & KIM, Y.S. 523-526
- Hyperaldosteronism, primary, effect of intravenous frusemide on plasma renin concentration in patients with PADFIELD, P.L., ALLISON, M.E.M., BROWN, J.J., LEVER, A.F., LUKE, R.G., ROBERTSON, C.C., ROBERTSON, J.I.S. & TREE, M. 353-358
- Hyperbilirubinaemia, unconjugated, influence of diet on, in the Gunn rat GOLLAN, J.L., HATT, K.J. & BILLING, B.H. 229-235
- Hyperparathyroidism, direct effect of calcium on, of chronic renal failure KAYE, M. 481-484
- Hyperparathyroidism, primary, effect of cellulose phosphate and dietary calcium restriction in PARFITT, A.M. 91-98
- Hypertension, essential, effect of intravenous frusemide on plasma renin concentration in patients with PADFIELD, P.L., ALLISON, M.E.M., BROWN, J.J., LEVER, A.F., LUKE, R.G., ROBERTSON, C.C., ROBERTSON, J.I.S. & TREE, M. 353-358



- Hypertension, essential, exaggerated phosphaturic response to volume expansion in patients with CHAIMOVITZ, C., SPIERER, A., LEIBOWITZ, H., TUMA, S. & BETTER, O.S. 207-211
- Hypertension, essential, plasma activity of dopamine  $\beta$ -hydroxylase and haemodynamic measurements in patients with ALEXANDRE, J.M., LONDON, G.M., CHEVILLARD, C., LEMAIRE, P., SAFAR, M.E. & WEISS, Y., 573-579
- Hypertension, essential, plasma catecholamines and renin activity in response to exercise in patients with CHODAKOWSKA, J., NAZAR, K., WOCIAL, B., JARECKI, M. & SKÓRKA, B. 511-514
- Hypertension, essential, release of renal prostaglandins during saline infusion in normal subjects and patients with PAPANICOLAOU, N., SAFAR, M., HORNYCH, A., FONTALIRAN, F., WEISS, Y., BARIETY, J. & MILLIEZ, P. 459-463
- Hypertension, neurogenic, prostaglandin E during, in tetraplegic man MATHIAS, C.J., HILLIER, K., FRANKEL, H.L. & SPALDING, J.M.K. 625-628
- Hypertension, renal, experimental, adrenal weight and catecholamine content in, in rabbits ANGELL-JAMES, J.E. & POWIS, D.A. 183-186
- Hypertension, spontaneous, renal kallikrein content of rats with FAVARO, S., BAGGIO, B., ANTONELLO, A., ZEN, A., CANNELLA, G., TODESCO, S. & BORSATTI, A. 69-71
- Hypertension, urinary noradrenaline excretion and renal function in 50-year-old men with BERGLUND, G., TIBBLIN, G. & AURELL, M. 485-493
- Hyponatraemia, comparison of natriuresis after oral and intravenous sodium loading of normal subjects in LENNANE, R.J., CAREY, R.M., GOODWIN, T.J. & PEART, W.S. 437-440
- Hyponatraemia, comparison of natriuresis after oral and intravenous sodium loading of rabbits in LENNANE, R.J., PEART, W.S., CAREY, R.M. & SHAW, J. 433-436
- Hypoparathyroidism, latent, effect of cellulose phosphate on calcium and magnesium homeostasis in patients with PARFITT, A.M. 83-90
- Hypoxia, arterial catecholamine concentrations and minute ventilation in man during exercise with CLANCY, L.J., CRITCHLEY, J.A.J.H., LEITCH, A.G., KIRBY, B.J., UNGAR, A. & FLENLEY, D.C. 503-506
- Hypoxia, effect of ethanol on the ventilatory responses to, in man SAHN, S.A., LAKSHMINARAYAN, S., PIERSON, D.J. & WEIL, J.V. 33-38
- I-cell disease, resolution of glucosaminidase and fucosidase components in plasma and fibroblasts from patients with, by column chromatography ELLIS, R.B., WILLCOX, P. & PATRICK, A.D. 543-550
- Indomethacin, effect of, on the actions of bradykinin and edoisin in the isolated canine kidney MCGIFF, J.C., ITSKOVITZ, H.D. & TERRAGNO, N.A. 125-131
- Insulin, responses of, to glucose in patients with liver damage due to paracetamol overdose RECORD, C.O., CHASE, R.A., ALBERTI, K.G.M.M. & WILLIAMS, R. 473-479
- Intestinal perfusion, effect of frusemide in water and electrolyte absorption from human jejunum studied by MACKENZIE, J.F., COCHRAN, K.M. & RUSSELL, R.I. 519-521
- Intestinal perfusion, relations between absorption of amino acids, dipeptides, water and electrolytes studied by, in normal human subjects SILK, D.B.A., FAIRCLOUGH, P.D., PARK, N.J., LANE, A.E., WEBB, J.P.W., CLARK, M.L. & DAWSON, A.M. 401-408
- Intestinal secretions, human, nature of complexes formed by copper with, and their influence on copper absorption in the rat GOLLAN, J.L. 237-245
- Isoprenaline, effect of antidiuretic hormone on renin secretion stimulated by, in the isolated rat kidney VANDONGEN, R. 73-76
- Jejunum, hamster, common mechanism for transport of di- and tri-peptides by ADDISON, J.M., BURSTON, D., DALRYMPLE, J.A., MATTHEWS, D.M., PAYNE, J.W., SLEISENGER, M.H. & WILKINSON, S. 313-322
- Jejunum, hamster, evidence for active transport of tripeptides by ADDISON, J.M., BURSTON, D., PAYNE, J.W., WILKINSON, S. & MATTHEWS, D.M. 305-312

- Kallikrein, renal content of, in spontaneously hypertensive rats FAVARO, S., BAGGIO, B., ANTONELLO, A., ZEN, A., CANNELLA, G., TODESCO, S. & BORSATTI, A. 69-71
- Kidney, effect of unilateral nephrectomy on function of, in the rat EMMANOUËL, D.S., LINDHEIMER, M.D. & KATZ, A.I. 563-572
- Kidney, excretion of sodium by, in sodium-depleted man after oral and intravenous sodium loading LENNANE, R.J., CAREY, R.M., GOODWIN, T.J. & PEART, W.S. 437-440
- Kidney, excretion of sodium by, in sodium-depleted rabbits after oral and intravenous sodium loading LENNANE, R.J., PEART, W.S., CAREY, R.M. & SHAW, J. 433-436
- Kidney, human, effect of disodium etidronate on phosphate transport in WALTON, R.J., RUSSELL, R.G.G. & SMITH, R. 45-56
- Kidney, kallikrein content of, in spontaneously hypertensive rats FAVARO, S., BAGGIO, B., ANTONELLO, A., ZEN, A., CANNELLA, G., TODESCO, S. & BORSATTI, A. 69-71
- Kidney, rat, isolated, inhibition of renin secretion in, by antidiuretic hormone VANDONGEN, R. 73-76
- Lead, cardiac effects of, in drinking water of rats MOORE, M.R., MEREDITH, P.A., GOLDBERG, A., CARR, K.E., TONER, P.G. & LAWRIE, T.D.V. 337-341
- Lecithin-cholesterol acyltransferase, plasma, dietary fat composition and activity of, in man MILLER, J.P., CHAIT, A. & LEWIS, B. 617-620
- Leg, blood flow and muscle metabolism in, during exercise in patients with occlusive arterial disease of the leg and after reconstructive surgery PERNOW, B., SALTIN, B., WARREN, J., CRONESTRAND, R. & EKESTRÖM, S. 265-275
- Leucocyte, human, effect of external potassium concentration on cation transport *in vitro* in HILTON, P.J., EDMONDSON, R.P.S., THOMAS, R.D. & PATRICK, J. 385-390
- Leucocyte, sodium transport by, in uraemia EDMONDSON, R.P.S., HILTON, P.J., JONES, N.F., PATRICK, J. & THOMAS, R.D. 213-216
- Leucocytes, hepatic alcohol dehydrogenase activity and ascorbic acid in, of patients with liver disease DOW, J., KRASNER, N. & GOLDBERG, A. 603-608
- Leucocytes, human, analytical subcellular fractionation of, with reference to the localization of vitamin B<sub>12</sub>-binding proteins KANE, S.P. & PETERS, T.J. 171-182
- Leucocytes, human, effect of phenylalanine and its metabolites on the metabolism of BRADLEY, D.M. & MAHLER, R.F. 343-351
- Leucocytes, nylon column dye test as a possible screening test of phagocytic function of SEGAL, A.W. & PETERS, T.J. 591-596
- Lipid, influence of, in the diet on unconjugated hyperbilirubinaemia of Gunn rats GOLLAN, J.L., HATT, K.J. & BILLING, B.H. 229-235
- Lipoproteins, radioactive, passage of, from plasma into peripheral lymph in two men REICHL, D., POSTIGLIONE, A., MYANT, N.B., PFLUG, J.J. & PRESS, M. 419-426
- Liposomes, use of, as vehicles for local release of drugs SEGAL, A.W., GREGORIADIS, G. & BLACK, C.D.V. 99-106
- Liver failure, effect of, on response of ventilation and cerebral circulation to carbon dioxide in man and goat STANLEY, N.N., SALISBURY, B.G., MCHENRY, L.C. & CHERNIACK, N.S. 157-169
- Liver, hepatic alcohol dehydrogenase activity and the ascorbic acid in leucocytes of patients with disease of DOW, J., KRASNER, N. & GOLDBERG, A. 603-608
- Liver, impaired clearance of bromosulphthalein by, and glutathione depletion early after paracetamol overdose in man and rat DAVIS, M., IDEO, G., HARRISON, N.G. & WILLIAMS, R. 495-502
- Liver, rat, heterogeneity of vitamin B<sub>12</sub> in, after parenteral cyanocobalamin COOKSLEY, W.G.E. & TAVILL, A.S. 257-264
- Lung, function of, in healthy subjects and patients with left heart disease COLLINS, J.V., CLARK, T.J.H. & BROWN, D.J. 217-228

- Lupus erythematosus, systemic, intrarenal platelet consumption in patients with the proliferative nephritis of  
CLARK, W.F., LEWIS, M.L., CAMERON, J.S. & PARSONS, V. 247-252
- Lymph, peripheral, passage of apoproteins from plasma lipoproteins into, in two men REICHL, D., POSTIG-  
LIONE, A., MYANT, N.B., PFLUG, J.J. & PRESS, M. 419-426
- Lymphocytes, rabbit, effect of phenylalanine and its metabolites on the metabolism of BRADLEY, D.M. &  
MAHLER, R.R. 343-351
- Lysine acetylsalicylate, effect of, on biliary lipid secretion in dogs ERLINGER, S., BIENFAIT, D., POUPON, R.,  
DUMONT, M. & DUVAL, M. 253-256
- Lysine, <sup>15</sup>N-labelled, measurement of muscle protein synthetic rate and total body protein turnover in man by  
continuous intravenous infusion of HALLIDAY, D. & MCKERAN, R.O. 581-590
- Magnesium, effect of cellulose phosphate on, in normal subjects and patients with latent hypoparathyroidism  
PARFITT, A.M. 83-90
- Megaloblastic anaemia, changes in serum potassium and total-body potassium in HESP, R., CHANARIN, I. &  
TAIT, C.E. 77-79
- Membrane systems, defective, in dystrophic skeletal muscle of genetically myopathic hamster DHALLA, N.S.,  
SINGH, A., LEE, S.L., ANAND, M.B., BERNATSKY, A.M. & JASMIN, G. 359-368
- Metiamide, effects of, on the human stomach THJODLEIFSSON, B. & WORMSLEY, K.G. 445-458
- Micropuncture, proximal tubular reabsorption studies by, in rats WEINMAN, E.J. & EKNOYAN, G. 107-113
- Mucopolidosis II, *see* I-cell disease
- Muscle, leg, blood flow and metabolism in, during exercise in patients with occlusive arterial disease of the leg  
before and after reconstructive surgery PERNOW, B., SALTIN, B., WAHREN, J., CRONESTRAND, R. &  
EKESTRÖM, S. 265-275
- Muscle, percutaneous biopsy of, in man for measurement of protein synthetic rate HALLIDAY, D. & MCKERAN,  
R.O. 581-590
- Muscular dystrophy, defective membrane systems in DHALLA, N.S., SINGH, A., LEE, S.L., ANAND, M.B.,  
BERNATSKY, A.M. & JASMIN, G. 359-368
- Natriuresis, effect of diazoxide on, in the rat FINE, L.G. & WEBER, H. 277-282
- Neonate, systolic blood pressure variation in the DE SWIET, M., FANCOURT, R. & PETO, J. 557-561
- Nephrectomy, unilateral, urinary concentration and dilution after, in the rat EMMANOUEL, D.S., LINDHEIMER,  
M.D. & KATZ, A.I. 563-572
- Nephron, fluid reabsorption by the proximal tubule of, in rats WEINMAN, E.J. & EKNOYAN, G. 107-113
- Neuraminidase, effect of treatment of I-cell disease plasma glucosaminidase with, on resolution of components  
by column chromatography ELLIS, R.B., WILLCOX, P. & PATRICK, A.D. 543-550
- Nitroblue Tetrazolium, use of, in nylon column test of phagocyte function SEGAL, A.W. & PETERS, T.J.  
591-596
- Noradrenaline, arterial concentration of, in hypoxic exercise in man CLANCY, L.J., CRITCHLEY, J.A.J.H.,  
LEITCH, A.G., KIRBY, B.J., UNGAR, A. & FLENLEY, D.C. 503-506
- Noradrenaline, plasma, effect of sustained handgrip on, in patients with juvenile-onset-type diabetes mellitus  
NAZAR, K., TATOŃ, J., CHWALBIŃSKA-MONETA, J. & BREZIŃSKA, Z. 39-44
- Noradrenaline, stimulation of renin secretion by non-vasoconstrictor infusions of, in the isolated rat kidney  
VANDONGEN, R. & GREENWOOD, D.M. 609-612
- Noradrenaline, urinary excretion of, and renal function in normal and hypertensive 50-year-old men BERG-  
LUND, G., TIBBLIN, G. & AURELL, M. 485-493
- Occlusion pressure, external, effect of, on rate of isometric inspiratory pressure development in man as a  
measure of responsiveness to carbon dioxide MATTHEWS, A.W. & HOWELL, J.B.L. 57-68

- Occlusive arterial disease, leg blood flow and muscle metabolism in patients with, before and after reconstructive surgery PERNOW, B., SALTIN, B., WAHREN, J., CRONESTRAND, R. & EKESTRÖM, S. 265-275
- Ouabain, effect of, on intracellular  $K^+$  and steroidogenesis in isolated adrenal zona glomerulosa and fasciculata cells MENDELSON, F.A. & MACKIE, C. 13-26
- Overhydration, potassium depletion induced by vasopressin and, in the rabbit BARRACLOUGH, M.A. 535-541
- Oxalate, seasonal variations in the urinary excretion of, in relation to calcium stone-formation ROBERTSON, W.G., PEACOCK, M., MARSHALL, R.W., SPEED, R. & NORDIN, B.E.C. 597-602
- 17-Oxosteroids, urinary excretion of, in hereditary coproporphyrinemia PAXTON, J.W., MOORE, M.R., BEATTIE, A.D. & GOLDBERG, A. 441-444
- Paracetamol, disturbances in glucose metabolism in patients with liver damage due to overdose with RECORD, C.O., CHASE, R.A., ALBERTI, K.G.M.M. & WILLIAMS, R. 473-479
- Paracetamol, hepatic glutathione depletion and impaired bromosulphthalein clearance in man and rat early after overdose of DAVIS, M., IDEO, G., HARRISON, N.G. & WILLIAMS, R. 495-502
- Pent-4-enoic acid, effects of, on renal free water, bicarbonate and phosphate excretion in the dog KLEINMAN, J.G. & LEVIN, M.L. 409-417
- Peptide hydrolase, intraluminal, activity of, in the rat SILK, D.B.A. & KIM, Y.S. 523-526
- Phagocytes, nylon column dye test as a possible screening test of function of SEGAL, A.W. & PETERS, T.J. 591-596
- L-Phenylalanine-glycine, intraluminal peptide hydrolase activity towards, in the rat SILK, D.B.A. & KIM, Y.S. 523-526
- Phenylketonuria, use of lymphocytes for study of BRADLEY, D.M. & MAHLER, R.F. 343-351
- Phosphate, direct effect of calcium on the hyperparathyroidism of chronic renal failure in rats on a diet low in KAYE, M. 481-484
- Phosphate, effect of proportional reduction of sodium intake on the adaptive increase in glomerular filtration rate/nephron and excretion of, in the rat ESPINEL, C.H. 193-200
- Phosphate, effects of pent-4-enoic acid on renal excretion of, in the dog KLEINMAN, J.G. & LEVIN, M.L. 409-417
- Phosphate, seasonal variations in the urinary excretion of, in relation to calcium stone-formation ROBERTSON, W.G., PEACOCK, M., MARSHALL, R.W., SPEED, R. & NORDIN, B.E.C. 597-602
- Phosphaturia, exaggerated response of, to volume expansion in patients with essential hypertension CHAIMOVITZ, C., SPIERER, A., LEIBOWITZ, H., TUMA, S. & BETTER, O.S. 207-211
- Phospholipids, effect of lysine acetylsalicylate on biliary secretion of, in dogs ERLINGER, S., BIENFAIT, D., POUPON, R., DUMONT, M. & DUVAL, M. 253-256
- Phosphonic acids, effect of, on renal and extrarenal handling of phosphate in man WALTON, R.J., RUSSELL, R.G.G. & SMITH, R. 45-56
- Phytohaemagglutinin, effect of phenylalanine and its metabolites on the metabolism of lymphocytes stimulated by BRADLEY, D.M. & MAHLER, R.F. 343-351
- Plasma proteins, *see* Proteins, plasma
- Plasma renin activity, early effects of intravenous frusemide on HESSE, B., NIELSEN, I. & LUND-JACOBSEN, H. 551-555
- Plasma renin activity, effect in man of reduction of blood volume on HESSE, B., NIELSEN, I. & HANSEN, J.F. 515-517
- Plasma renin activity, measurement of, in tetraplegic man when horizontal and tilted MATHIAS, C.J., CHRISTENSEN, N.J., CORBETT, J.L., FRANKEL, H.L., GOODWIN, T.J. & PEART, W.S. 291-299
- Platelet, determination of half-life of, with [ $^{75}\text{Se}$ ]selenomethionine in normal and in diabetic subjects FERGUSON, J.C., MACKAY, N., PHILIP, J.A.D. & SUMNER, D.J. 115-120
- Platelets, survival of, in patients with the proliferative nephritis of systemic lupus erythematosus CLARK, W.F., LEWIS, M.L., CAMERON, J.S. & PARSONS, V. 247-252

- Posture, effect of, on plasma catecholamines, plasma renin activity and plasma aldosterone in tetraplegic man  
MATHIAS, C.J., CHRISTENSEN, N.J., CORBETT, J.L., FRANKEL, H.L., GOODWIN, T.J. & PEART, W.S. 291-299
- Potassium, body, total, in children with particular reference to coeliac disease BODDY, K., KING, P.C. & CARSWELL, F. 133-137
- Potassium, changes in, in megaloblastic anaemia HESP, R., CHANARIN, I. & TAIT, C.E. 77-79
- Potassium, depletion of, induced by vasopressin and overhydration in the rabbit BARRACLOUGH, M.A. 535-541
- Potassium, effect of external concentration of, on human leucocyte cation transport *in vitro* HILTON, P.J., EDMONDSON, R.P.S., THOMAS, R.D. & PATRICK, J. 385-390
- Potassium, effect of proportional reduction of sodium intake on the adaptive increase in glomerular filtration rate/nephron and excretion of, in the rat ESPINEL, C.H. 193-200
- Potassium, exchangeable, measurement of, in patients with chronic cor pulmonale CAMPBELL, R.H.A., BRAND, H.L., COX, J.R. & HOWARD, P. 323-335
- Potassium, influence of, on the renal vasculature and adrenal gland and their responses to angiotensin II in normal man HOLLENBERG, N.K., WILLIAMS, G., BURGER, B. & HOOSHMAND, I. 527-534
- Potassium, intracellular, micromethods for simultaneous measurement of, and corticosterone output of isolated adrenal cortical cells MENDELSON, F.A.O. & WARREN, R.L. 1-12
- Potassium, intracellular, relation of, and steroidogenesis in isolated adrenal zona glomerulosa and fasciculata cells MENDELSON, F.A. & MACKIE, C. 13-26
- Potassium, plasma uric acid concentration related to urinary excretion of, and of aldosterone in normal subjects RAMSAY, L.E., AUTY, R.M., HORTH, C.E., LEVINE, D., SHELTON, J.R. & BRANCH, R.A. 613-616
- Primary aldosteronism, location of adenomas in patients with FUKUCHI, S., TAKENOUCI, T., NAKAJIMA, K., WATANABE, H. & SUGITA, A. 187-192
- Progesterone, effect of, on renal sodium handling in man OPARIL, S., EHRLICH, E.N. & LINDHEIMER, M.D. 139-147
- Prostaglandin E<sub>2</sub>, effect of, on renal failure due to glycerol in saline-loaded rats PAPANICOLAOU, N., CALLARD, P., BARIETY, J. & MILLIEZ, P. 507-510
- Prostaglandins E and F, concentrations of, during neurogenic hypertension in tetraplegic man MATHIAS, C.J., HILLIER, K., FRANKEL, H.L. & SPALDING, J.M.K. 625-628
- Prostaglandins, relationships of actions of bradykinin and eledoisin in isolated canine kidney to MCGIFF, J.C., ITSKOVITZ, H.D. & TERRAGNO, N.A. 125-131
- Prostaglandins, renal, release of, during saline infusion in normal and hypertensive subjects PAPANICOLAOU, N., SAFAR, M., HORNYCH, A., FONTALIRAN, F., WEISS, Y., BARIETY, J. & MILLIEZ, P. 459-463
- Protein, influence of, in the diet on unconjugated hyperbilirubinaemia of Gunn rats GOLLAN, J.L., HATT, K.J. & BILLING, B.H. 229-235
- Protein, muscle, measurement of synthetic rate of, from serial muscle biopsies in man by continuous infusion of [<sup>15</sup>N]lysine HALLIDAY, D. & MCKERAN, R.O. 581-590
- Proteins, plasma, diurnal variations in concentrations of, in man JOHNS, M.W., MASTERTON, J.P., PADDLELEDINEK, J.E., PATEL, Y.C., WINIKOFF, D. & MALINEK, D. 629-632
- Proximal tubule, chronic effects of chlorothiazide on reabsorption by, of the rat WEINMAN, E.J. & EKNOYAN, G. 107-113
- Rebreathing technique, use of, for assessing responsiveness to carbon dioxide in man MATTHEWS, A.W. & HOWELL, J.B.L. 57-68
- Renal failure, acute, increased plasma calcitonin in patients with ARDAILLOU, R., BEAUFILS, M., NIVEZ, M.-P., ISAAC, R., MAYAUD, C. & SRAER, J.-D. 301-304
- Renal failure, chronic, effect of proportional reduction of sodium intake on the adaptive increase in glomerular filtration rate/nephron and potassium and phosphate excretion in, in the rat ESPINEL, C.H. 193-200

- Renin activity, plasma, plasma catecholamines and, in response to exercise in patients with essential hypertension CHODAKOWSKA, J., NAZAR, K., WOCIAL, B., JARECKI, M. & SKÓRKA, B. 511-514
- Renin, effect of reduction in blood volume in man on plasma activity of HESSE, B., NIELSEN, I. & HANSEN, J.F. 515-517
- Renin, influence of potassium on plasma activity of, in normal man HOLLENBERG, N.K., WILLIAMS, G., BURGER, B. & HOOSHMAND, I. 527-534
- Renin, inhibition of secretion of, by antidiuretic hormone in the isolated rat kidney VANDONGEN, R. 73-76
- Renin, plasma, effect of intravenous frusemide on, in normal subjects and in patients with primary hyperaldosteronism or essential hypertension PADFIELD, P.L., ALLISON, M.E.M., BROWN, J.J., LEVER, A.F., LUKE, R.G., ROBERTSON, C.C., ROBERTSON, J.I.S. & TREE, M. 353-358
- Renin, relation of effect of progesterone on renal sodium handling in man to activity of OPARIL, S., EHRLICH, E.N. & LINDHEIMER, M.D. 139-147
- Renin, stimulation of secretion of, by non-vasoconstrictor infusions of catecholamines in the isolated rat kidney VANDONGEN, R. & GREENWOOD, D.M. 609-612
- Renin substrate, relation of effect of progesterone on renal sodium handling in man to OPARIL, S., EHRLICH, E.N. & LINDHEIMER, M.D. 139-147
- Respiration, responses of, to simultaneous static and rhythmic exercises in man WILEY, R.L. & LIND, A.R. 427-432
- Salicylate, sodium, anaerobic glycolysis in normal human erythrocytes incubated *in vitro* with WORATHUMRONG, N. & GRIMES, A.J. 375-384
- Salicylates, effect of, on biliary lipid secretion in dogs ERLINGER, S., BIENFAIT, D., POUPON, R., DUMONT, M. & DUVAL, M. 253-256
- Seasons, annual, variations in composition of urine related to, and calcium stone-formation ROBERTSON, W.G., PEACOCK, M., MARSHALL, R.W., SPEED, R. & NORDIN, B.E.C. 597-602
- [<sup>75</sup>Se]Selenomethionine, determination of platelet and fibrinogen half-life with, in normal and in diabetic subjects FERGUSON, J.C., MACKAY, N., PHILIP, J.A.D. & SUMNER, D.J. 115-120
- Sleep, effect of, on thyroid function in man JOHNS, M.W., MASTERTON, J.P., PADDLE-LEDINEK, J.E., PATEL, Y.C., WINIKOFF, D. & MALINEK, M. 629-632
- Sodium, comparison of natriuresis in sodium-depleted man after oral and intravenous loading with LENNANE, R.J., CAREY, R.M., GOODWIN, T.J. & PEART, W.S. 437-440
- Sodium, comparison of natriuresis in sodium-depleted rabbits after oral and intravenous loading with LENNANE, R.J., PEART, W.S., CAREY, R.M. & SHAW, J. 433-436
- Sodium, dietary, effects of chlorothiazide on renal response to restriction of, in rats WEINMAN, E.J. & EKNYAN, G. 107-113
- Sodium, effect of diazoxide on excretion of, in the rat FINE, L.G. & WEBER, H. 277-282
- Sodium, effect of external potassium concentration on transport of, in human leucocytes *in vitro* HILTON, P.J., EDMONDSON, R.P.S., THOMAS, R.D. & PATRICK, J. 385-390
- Sodium, effect of infusion of, on release of renal prostaglandins in normal and hypertensive subjects PAPANICOLAOU, N., SAFAR, M., HORNYCH, A., FONTALIRAN, F., WEISS, Y., BARIETY, J. & MILLIEZ, P. 459-463
- Sodium, effect of proportional reduction of sodium intake on the adaptive increase in glomerular filtration rate/nephron and excretion of, in the rat ESPINEL, C.H. 193-200
- Sodium etidronate, effect of, on renal and extrarenal handling of phosphate in man WALTON, R.J., RUSSELL, R.G.G. & SMITH, R. 45-56
- Sodium, evaluation of renal tubular handling of, in patients with essential hypertension CHAIMOVITZ, C., SPIERER, A., LEIBOWITZ, H., TUMA, S. & BETTER, O.S. 207-211
- Sodium, exchangeable, measurement of, in patients with chronic cor pulmonale CAMPBELL, R.H.A., BRAND, H.L., COX, J.R. & HOWARD, P. 323-335

- Sodium, excretion of, and effect of intravenous frusemide on plasma renin concentration in patients with primary hyperaldosteronism or essential hypertension PADFIELD, P.L., ALLISON, M.E.M., BROWN, J.J., LEVER, A.F., LUKE, R.G., ROBERTSON, C.C., ROBERTSON, J.I.S. & TREE, M. 353-358
- Sodium, plasma uric acid concentration related to urinary excretion of, and of aldosterone in normal subjects RAMSAY, L.E., AUTY, R.M., HORTH, C.E., LEVINE, D., SHELTON, J.R. & BRANCH, R.A. 613-616
- Sodium, transport of, in leucocytes in uraemia EDMONDSON, R.P.S., HILTON, P.J., JONES, N.F., PATRICK, J. & THOMAS, R.D. 213-216
- Squalene, plasma, concentration of, as an index of cholesterol synthesis NESTEL, P.J. & KUDCHODKAR, B. 621-624
- Stomach, human, effects of metiamide on THJODLEIFSSON, B. & WORMSLEY, K.G. 445-458
- Subcellular fractionation, analytical use of, with human granulocytes for the localization of vitamin B<sub>12</sub>-binding proteins KANE, S.P. & PETERS, T.J. 171-182
- Sympathetic nervous system, activity of, and renal function in normal and hypertensive 50-year-old men BERGLUND, G., TIBBLIN, G. & AURELL, M. 485-493
- Sympathetic nervous system, effect of activity of, on plasma prostaglandins in tetraplegic man MATHIAS, C.J., HILLIER, K., FRANKEL, H.L. & SPALDING, J.M.K. 625-628
- Sympathetic nervous system, plasma catecholamines and activity of, in response to exercise in patients with essential hypertension CHODAKOWSKA, J., NAZAR, K., WOCIAL, B., JARECKI, M. & SKÓRKA, B. 511-514
- Tetraplegia, plasma catecholamines, plasma renin activity and plasma aldosterone in horizontal and tilted patients with MATHIAS, C.J., CHRISTENSEN, N.J., CORBETT, J.L., FRANKEL, H.L., GOODWIN, T.J. & PEART, W.S. 291-299
- Tetraplegia, plasma prostaglandin E during neurogenic hypertension in MATHIAS, C.J., HILLIER, K., FRANKEL, H.L. & SPALDING, J.M.K. 625-628
- Thyroxine, serum, diurnal variation in concentration of, in man JOHNS, M.W., MASTERTON, J.P., PADDLELEDINEK, J.E., PATEL, Y.C., WINIKOFF, D. & MALINEK, M. 629-632
- Tissue fluids, transport of apolipoprotein from plasma to REICHL, D., POSTIGLIONE, A., MYANT, N.B., PFLUG, J.J. & PRESS, M. 419-426
- Transport, cation, effect of external potassium concentration on, in human leucocytes *in vitro* HILTON, P.J., EDMONDSON, R.P.S., THOMAS, R.D. & PATRICK, J. 385-390
- Triglycerides, plasma, dietary fat composition and concentrations of, in man MILLER, J.P., CHAIT, A. & LEWIS, B. 617-620
- Tripeptides, evidence for active transport of, in isolated hamster jejunum ADDISON, J.M., BURSTON, D., PAYNE, J.W., WILKINSON, S. & MATTHEWS, D.M. 305-312
- Tripeptides, transport of, in isolated hamster jejunum ADDISON, J.M., BURSTON, D., DALRYMPLE, J.A., MATTHEWS, D.M., PAYNE, J.W., SLEISENGER, M.H. & WILKINSON, S. 313-322
- Uraemia, direct effect of calcium on the chronic hyperparathyroidism of KAYE, M. 481-484
- Uraemia, leucocyte sodium transport in EDMONDSON, R.P.S., HILTON, P.J., JONES, N.F., PATRICK, J. & THOMAS, R.D. 213-216
- Uric acid, plasma concentration of, related to urinary excretion of aldosterone and of electrolytes in normal subjects RAMSAY, L.E., AUTY, R.M., HORTH, C.E., LEVINE, D., SHELTON, J.R. & BRANCH, R.A. 613-616
- Urolithiasis, epitaxial relationships in MEYER, J.L., BERGERT, J.H. & SMITH, L.H. 369-374
- Vasopressin, potassium depletion induced by overhydration and, in the rabbit BARRACLOUGH, M.A. 535-541

- Venous tone, early effects of intravenous frusemide on HESSE, B., NIELSEN, I. & LUND-JACOBSEN, H. 551-555
- Ventilation, effect of ethanol on the control of, in man SAHN, S.A., LAKSHMINARAYAN, S., PIERSON, D.J. & WEIL, J.V. 33-38
- Ventilation, effect of liver failure on response of, to carbon dioxide in man and goat STANLEY, N.N., SALISBURY, B.G., MCHENRY, L.C. & CHERNIACK, N.S. 157-169
- Vitamin B<sub>12</sub>, analytical subcellular fractionation of human granulocytes with reference to the localization of proteins binding to KANE, S.P. & PETERS, T.J. 171-182
- Vitamin B<sub>12</sub>, heterogeneity of, in the liver of the rat after parenteral cyanocobalamin COOKSLEY, W.G.E. & TAVILL, A.S. 257-264
- Vitamin D<sub>3</sub> *see* Cholecalciferol
- Wakefulness, systolic blood pressure and, in the first 6 days of life DE SWIET, M., FANCOURT, R. & PETO, J. 557-561
- Water balance, effect of, on release of renal prostaglandins in man PAPANICOLAOU, N., SAFAR, M., HORNYCH, A., FONTALIRAN, F., WEISS, Y., BARIETY, J. & MILLIEZ, P. 459-463
- Water, drinking, cardiac effects in rats of lead in MOORE, M.R., MEREDITH, P.A., GOLDBERG, A., CARR, K.E., TONER, P.G. & LAWRIE, T.D.V. 337-341
- Water, effect of frusemide on absorption of electrolytes and, from human jejunum MACKENZIE, J.F., COCHRAN, K.M. & RUSSELL, R.I. 519-521
- Water, free, effects of pent-4-enoic acid on renal excretion of, in the dog KLEINMAN, J.G. & LEVIN, M.L. 409-417
- Water, potassium depletion induced by vasopressin and excess of, in the rabbit BARRACLOUGH, M.A. 535-541
- Water, relations between absorption of, and amino acids, dipeptides and electrolytes in normal human jejunum SILK, D.B.A., FAIRCLOUGH, P.D., PARK, N.J., LANE, A.E., WEBB, J.P.W., CLARK, M.L. & DAWSON, A.M. 401-408
- Weight, body, observations on, in patients with chronic cor pulmonale CAMPBELL, R.H.A., BRAND, H.L., COX, J.R. & HOWARD, P. 323-335
- Whole-body counting, measurement of total body potassium in children with coeliac disease by BODDY, K., KING, P.C. & CARSWELL, F. 133-137
- Xanthinuria, variations in allopurinol metabolism by subjects with (Correspondence) SIMMONDS, H.A., LEVIN, B. & CAMERON, J.S. 81-82