

**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**

## AUTHOR INDEX

- ABER, G.M., see Jones, K. *et al.*
- ACQUARONE, N., see Tizianello, A. *et al.*
- ADAMS, J.F., see MacDonald, C.M.L.A. *et al.*
- ADIBI, S.A. & KRZYSIK, B.A. Effect of nephrectomy and enterectomy on plasma clearance of intravenously administered dipeptides in rats 205-213
- ADIBI, S.A., KRZYSIK, B.A. & DRASH, A.L. Metabolism of intravenously administered dipeptides in rats: effects on amino acid pools, glucose concentration and insulin and glucagon secretion 193-204
- ALBERTI, K.G.M.M. & JOHNSTON, D.G. Cortisol and catabolism: a new perspective 333-336
- ALBERTINI, A., see Cannella, G. *et al.*
- AL-DULYMI, R. & HAINSWORTH, R. A new open-circuit method for estimating carbon dioxide tension in mixed venous blood 377-382
- AMERY, A., see Fagard, R. *et al.*
- ARNAUD, C.D., see Eastwood, J.B. *et al.*
- ARROYO, V., see Wilkinson, S.P. *et al.*
- AVIS, P.J.G. The development of a radioimmunoassay procedure for the estimation of Tamm-Horsfall glycoprotein in human serum 183-191
- BALFOUR, A.H. & JONES, E.A. The binding of plasma proteins to human placental cell membranes 383-394
- BARCENAS, C.G., PAEZ, P., UYEDA, K., PETERS, P.C. & HULL, A.R. Erythrocyte adenosine triphosphate and 2,3-diphosphoglycerate after human renal transplantation: dissociation from hypophosphataemia 413-422
- BARER, G.R., see Leach, E. *et al.*
- BARKHAN, P., see Shearer, M.J. *et al.*
- BARNES, S., see Summerfield, J.A. *et al.*
- BARON, D.N., see Levin, G.E. & Baron, D.N.
- BATES, C.J. Proline and hydroxyproline excretion and vitamin C status in elderly human subjects 535-543
- BEGIN, R., see Levinson, R. *et al.*
- BEILIN, L.J., GOLDBY, F.S. & MÖHRING, J. High arterial pressure versus humoral factors in the pathogenesis of the vascular lesions of malignant hypertension 111-117
- BELL, C. & MYA, M.K.K. Release by vasopressin of E-type prostaglandins from the rat kidney 103-106
- BENNETT, E.D., BROOKS, N.H., KEDDIE, J., LIS, Y. & WILSON, A. Increased renal function in patients with acute left ventricular failure: a possible homeostatic mechanism 43-50
- BERGERT, J.H., see Meyer, J.L. *et al.*
- BERLYNE, G.M., see Shaikin-Kestenbaum, R. *et al.*
- BESSENT, R.G., see MacDonald, C.M.L.A. *et al.*
- BILLIET, L., see Fagard, R. *et al.*
- BILLING, B.H., see Summerfield, J.A. *et al.*
- BING, R.F., HARLOW, J., SMITH, A.J. & TOWNSHEND, M.M. The urinary excretion of catecholamines and their derivatives in primary hypertension in man 319-323
- BIRD, E.D., see Phillipson, O.T. & Bird, E.D.
- BIRKENHÄGER, W.H., see Schalekamp, M.A.D.H. *et al.*

- BONKOWSKY, H.L. & POMEROY, J.S. Human hepatic  $\delta$ -aminolaevulinate synthase: requirement of an exogenous system for succinyl-coenzyme A generation to demonstrate increased activity in cirrhotic and anticonvulsant-treated subjects 509-521
- BORDIER, P.J., see Eastwood, J.B. *et al.*
- BRAVO, E.L., see Masaki, Z. *et al.*
- BRECKENRIDGE, A., see Marsh, A.R. *et al.*
- BRECKENRIDGE, A.M., see Shearer, M.J. *et al.*
- BROOKS, N.H., see Bennett, E.D. *et al.*
- BROUGHTON PIPKIN, F. & SYMONDS, E.M. Factors affecting angiotensin II concentrations in the human infant at birth 449-456
- BUMPUS, F.M., see Masaki, Z. *et al.*
- BURSTON, D., see Sleisenger, M.H. *et al.*
- CAMERON, I.R. The chemical control of the cerebral circulation 549-554
- CAMERON, I.R., see also Hall, R.J.C. & Cameron, I.R.
- CANNELLA, G., CASTELLANI, A., MIONI, G., USBERTI, M., GUERRA, U., ALBERTINI, A. & MAIORCA, R. Blood pressure control in end-stage renal disease in man: indirect evidence of a complex pathogenic mechanism besides renin or blood volume 19-21
- CARNEY, S., see Green, J. & Carney, S.
- CARSON, E.R., see Owens, D. *et al.*
- CASTELLANI, A., see Cannella, G. *et al.*
- CHASE, R.A., see Trewby, P.N. *et al.*
- CHEN, L.C., see Love, A.H.G. *et al.*
- CLARKE, M., see Wilkinson, S.P. *et al.*
- COCHRAN, W., see Pencharz, P.B. *et al.*
- COHEN, L., see Kaloyanides, G.J. *et al.*
- CULLEN, J., see Summerfield, J.A. *et al.*
- DALE, G., see Weatherley, C.R. *et al.*
- DARGIE, H.J., FRANKLIN, S.S. & REID, J.L. Plasma noradrenaline concentrations in experimental renovascular hypertension in the rat 477-483
- DAVIES, C.T.M., see Sargeant, A.J. *et al.*
- DAVIS, M., see Trewby, P.N. *et al.*
- DE FERRARI, G., see Tizianello, A. *et al.*
- DE WARDENER, H.E., see Eastwood, J.B. *et al.*
- DÍAZ GIL, J., ROSSI, I., ESCARTÍN, P., SEGOVIA, J.M. & GOSÁLVEZ, M. Mitochondrial functions and content of microsomal and mitochondrial cytochromes in human cirrhosis 599-606
- DI BONA, G.F., see Kaloyanides, G.J. *et al.*
- DOLEV, E., see Hendy, G.N. *et al.*
- DOLLINGER, H.C., see Schlegel, W. *et al.*
- DRASH, A.L., see Adibi, S.A. *et al.*
- DUBOWITZ, V., see Neerunjun, J.S. & Dubowitz, V.
- EASTWOOD, J.B., STAMP, T.C.B., DE WARDENER, H.E., BORDIER, P.J. & ARNAUD, C.D. The effect of 25-hydroxy vitamin D<sub>3</sub> in the osteomalacia of chronic renal failure 499-508
- EDWARDS, R.H.T., YOUNG, A., HOSKING, G.P. & JONES, D.A. Human skeletal muscle function: description of tests and normal values 283-290
- EDWARDS, R.H.T., see also Moulds, R.F.W. *et al.*; see also Sargeant, A.J. *et al.*
- EPSTEIN, M., see Levinson, R. *et al.*
- ESCARTÍN, P., see Díaz Gil, J. *et al.*
- FAGARD, R., AMERY, A., REYBROUCK, T., LIJNEN, P., BILLIET, L. & JOOSSENS, J.V. Plasma renin levels and systemic haemodynamics in essential hypertension 591-597

- FARQUHARSON, J., see MacDonald, C.M.L.A. *et al.*  
 FARRELL, R., see Williamson, D.H. *et al.*  
 FERNANDES, M., ONESTI, G., FIORENTINI, R., GOULD, A.B., KIM, K.E. & SWARTZ, C. Effect of propranolol on blood pressure and renin in renal hypertension in the rat 107-109  
 FERRARIO, C.M., see Masaki, Z. *et al.*  
 FIORENTINI, R., see Fernandes, M. *et al.*  
 FLENLEY, D.C., see Tweeddale, P.M. *et al.*  
 FRANKLIN, S.S., see Dargie, H.J. *et al.*  
 FRASER, H.S., see Marsh, A.R. *et al.*
- GALLA, J.H., see Luke, R.G. *et al.*  
 GERTZ, I., HEDENSTIERNA, G., HELLERS, G. & WAHREN, J. Muscle metabolism in patients with chronic obstructive lung disease and acute respiratory failure 395-403  
 GIDDINGS, A.E.B., see Lafferty, H.H. *et al.*  
 GOLDBY, F.S., see Beilin, L.J. *et al.*  
 GOULD, A.B., see Fernandes, M. *et al.*  
 GOSÁLVEZ, M., see Díaz Gil, J. *et al.*  
 GREAVES, M.W., see Plummer, N.A. *et al.*  
 GREEN, J. & CARNEY, S. Molecular exclusion electrophoresis of human serum lipoproteins: patterns in control and ischaemic heart-disease populations 75-82  
 GUERRA, U., see Cannella, G. *et al.*  
 GURRERI, G., see Tizianello, A. *et al.*  
 GUYTON, A.C., see Trippodo, N.C. *et al.*
- HAINSWORTH, R., see Al-Dulymi, R. & Hainsworth, R.  
 HALL, J.E., see Trippodo, N.C. *et al.*  
 HALL, R.J.C. & CAMERON, I.R. The effect of chronic frusemide administration on intracellular potassium, sodium and pH of cardiac and skeletal muscle 631-634  
 HARLOW, J., see Bing, R.F. *et al.*  
 HEADING, R.C., SCHEDL, H.P., STEGINK, L.D. & MILLER, D.L. Intestinal absorption of glycine and glycyl-L-proline in the rat 607-614  
 HEDENSTIERNA, G., see Gertz, I. *et al.*  
 HELLERS, G., see Gertz, I. *et al.*  
 HENDY, G.N., DOLEV, E., PREECE, M.A., PETTIFOR, J.M., ROSS, F.P. & WANG, J. A competitive protein-binding assay for 25-hydroxyvitamin D 635-636  
 HENSBY, C.N., see Plummer, N.A. *et al.*  
 HESSE, B. & NIELSEN, I. Suppression of plasma renin activity by intravenous infusion of antidiuretic hormone in man 357-360  
 HEYNEN, G., see Kanis, J.A. *et al.*  
 HOWARD, P., see Leach, E. *et al.*  
 HOSKING, G.P., see Edwards, R.H.T. *et al.*  
 HOSTETTER, T.H., see Stinebaugh, B.J. *et al.*  
 HULL, A.R., see Barcenas, C.G. *et al.*
- IMBS, J.L., SCHMIDT, M., VELLY, J. & SCHWARTZ, J. Comparison of the effect of two groups of diuretics on renin secretion in the anaesthetized dog 171-182  
 INMAN, E.M., see Rigg, J.R.A. *et al.*
- JEPPSSON, J.-O., see Laurell, C.-B. *et al.*  
 JOHNSTON, D.G., see Alberti, K.G.M.M. & Johnston, D.G.  
 JONES, D.A., see Edwards, R.H.T. *et al.*; see also Moulds, R.F.W. *et al.*  
 JONES, E.A., see Balfour, A.H. & Jones, E.A.; see also Owens, D. *et al.*

- JONES, K., NAISH, P.F. & ABER, G.M. Oestrogen-associated disease of the renal microcirculation 33-42 (Correction, page 636)
- JONES, N.L., see Rigg, J.R.A. *et al.*
- JOOSSENS, J.V., see Fagard, R. *et al.*
- KALOYANIDES, G.J., COHEN, L. & DiBONA, G.F. Failure of selected endocrine organ ablation to modify the natriuresis of blood volume expansion in the dog 351-356
- KANIS, J.A., HEYNEN, G. & WALTON, R.J. Plasma calcitonin in Paget's disease of bone 329-332
- KEDDIE, J., see Bennett, E.D. *et al.*
- KERR, A., see Williamson, D.H. *et al.*
- KHANH, B.T., see Luke, R.G. *et al.*
- KHOSLA, M.C., see Masaki, Z. *et al.*
- KIM, K.E., see Fernandes, M. *et al.*
- KOBZA BLACK, A., see Plummer, N.A. *et al.*
- KOENE, R.A.P., see Tiggeler, R.G.W.L. *et al.*
- KOLSTERS, G., see Schalekamp, M.A.D.H. *et al.*
- KOPSTEIN, J. & WRONG, O.M. The origin and fate of salivary urea and ammonia in man 9-17
- KRZYSIK, B.A., see Adibi, S.A. & Krzysik, B.A.; see also Adibi, S.A. *et al.*
- LAFFERTY, H.H., GIDDINGS, A.E.B. & MANGNALL, D. The analysis of decay curves 97-101
- LAURELL, C.-B., NOSSLIN, B. & JEPSSON, J.-O. Catabolic rate of  $\alpha_1$ -antitrypsin of Pi type M and Z in man 457-461
- LEACH, E., HOWARD, P. & BARER, G.R. Resolution of hypoxic changes in the heart and pulmonary arterioles of rats during intermittent correction of hypoxia 153-162
- LEDINGHAM, J.M., see Slack, B.L. & Ledingham, J.M.
- LEEDER, S.R., see Rigg, J.R.A. *et al.*
- LEGGETT, R.J.E., see Tweeddale, P.M. *et al.*
- LERMAN, R., see Shainkin-Kestenbaum, R. *et al.*
- LEVIN, G.E. & BARON, D.N. Leucocyte intracellular pH in patients with the metabolic acidosis of renal failure 325-328
- LEVINSON, R., EPSTEIN, M., SACKNER, M.A. & BEGIN, R. Comparison of the effects of water immersion and saline infusion on central haemodynamics in man 343-350
- LEWIS, B., see Marsh, A.R. *et al.*
- LJUNEN, P., see Fagard, R. *et al.*
- LIS, Y., see Bennett, E.D. *et al.*
- LOHMEIER, T.E., see Trippodo, N.C. *et al.*
- LOVE, A.H.G., CHEN, L.C., REEVE, J. & VEALL, N. The relative transfer rates for sodium and xenon from gut lumen to plasma in man 249-254
- LUKE, R.G., KHANH, B.T., SCHMIDT, R.D. & GALLA, J.H. Natriuresis in rats acutely depleted of chloride 23-31
- MACDONALD, C.M.L.A., FARQUHARSON, J., BESSENT, R.G. & ADAMS, J.F. The forms of vitamin B<sub>12</sub> on the transcobalamins 215-218
- MAIORCA, R., see Cannella, G. *et al.*
- MANGNALL, D., see Lafferty, H.H. *et al.*
- MARSH, A.R., FRASER, H.S., BRECKENRIDGE, A., LEWIS, B. & THOMPSON, G.R. Accentuation of ethanol-induced fatty liver by phenobarbitone 219-222
- MASAKI, Z., FERRARIO, C.M., BUMPUS, F.M., BRAVO, E.L. & KHOSLA, M.C. The course of arterial pressure and the effect of Sar<sup>1</sup>-Thr<sup>8</sup>-angiotensin II in a new model of two-kidney hypertension in conscious dogs 163-170
- MATTHEWS, D.M., see Sleisenger, M.H. *et al.*
- MAUNDER, C., see Sargeant, A.J. *et al.*
- MCBURNEY, A., see Shearer, M.J. *et al.*

- MCGURK, J., see Weatherley, C.R. *et al.*
- MEYER, J.L., BERGERT, J.H. & SMITH, L.H. Epitaxial relationships in urolithiasis: the brushite-whewellite system 143-148
- MILLER, D.L., see Heading, R.C. *et al.*
- MIONI, G., see Cannella, G. *et al.*
- MÖHRING, J., see Beilin, L.J. *et al.*
- MOODIE, H., see Wilkinson, S.P. *et al.*
- MOSS, D.W., see Wootton, A.M. *et al.*
- MOULDS, R.F.W., YOUNG, A., JONES, D.A. & EDWARDS, R.H.T. A study of the contractility, biochemistry and morphology of an isolated preparation of human skeletal muscle 291-297
- MYA, M.K.K., see Bell, C. & Mya, M.K.K.
- MYANT, N.B., see Thompson, G.R. *et al.*
- NAISH, P.F., see Jones, K. *et al.*
- NEALE, G., see Seymour, C.A. *et al.*; see also Wootton, A.M. *et al.*
- NEERUNJUN, J.S. & DUBOWITZ, V. Effect of pentobarbitone sodium on serum creatine kinase of normal and dystrophic hamsters 137-142
- NIELSEN, I., see Hesse, B. & Nielsen, I.
- NOORDELOOS, P.J., see Verhoef, N.J. & Noordeloos, P.J.
- NORDIN, B.E.C. Hypercalciuria 1-8
- NOSSLIN, B., see Laurell, C.-B. *et al.*
- ONESTI, G., see Fernandes, M. *et al.*
- OWENS, D., JONES, E.A. & CARSON, E.R. Studies on the kinetics of unconjugated [<sup>14</sup>C]bilirubin metabolism in normal subjects and patients with compensated cirrhosis 555-570
- PAEZ, P., see Barcenas, C.G. *et al.*
- PAIN, M.C.F., see Rubinfeld, A.R. & Pain, M.C.F.
- PELLING, D., see Sleisenger, M.H. *et al.*
- PENCHARZ, P.B., STEFFEE, W.P., COCHRAN, W., SCRIMSHAW, N.S., RAND, W.M. & YOUNG, V.R. Protein metabolism in human neonates: nitrogen-balance studies, estimated obligatory losses of nitrogen and whole-body turnover of nitrogen 485-498
- PERAINO, R.A., see Stinebaugh, B.J. *et al.*
- PETERS, P.C., see Barcenas, C.G. *et al.*
- PETERS, T.J., see Segal, A.W. & Peters, T.J.; see also Seymour, C.A. & Peters, T.J.; see also Seymour, C.A. *et al.*
- PETTIFOR, J.M., see Hendy, G.N. *et al.*
- PHILLIPSON, O.T. & BIRD, E.D. Plasma glucose, non-esterified fatty acids and amino acids in Huntington's chorea 311-318
- PINGREE, B.J.W. Acid-base and respiratory changes after prolonged exposure to 1% carbon dioxide 67-74
- PLUMMER, N.A., HENSBY, C.N., KOBZA BLACK, A. & GREAVES, M.W. Prostaglandin activity in sustained inflammation of human skin before and after aspirin 615-620
- POMEROY, J.S., see Bonkowsky, H.L. & Pomeroy, J.S.
- PREECE, M.A., see Hendy, G.N. *et al.*
- RAND, W.M., see Pencharz, P.B. *et al.*
- RANICAR, A., see Thompson, G.R. *et al.*
- RAPTIS, S., see Schlegel, W. *et al.*
- REED, B., WEIR, D.G. & SCOTT, J.M. Biosynthesis of folate polyglutamate in the rat with different tracers 83-86
- REEVE, J., see Love, A.H.G. *et al.*
- REID, J.L., see Dargie, H.J. *et al.*

- REUBEN, A., see Shainkin-Kestenbaum, R. *et al.*
- REYBROUCK, T., see Fagard, R. *et al.*
- RICHARDSON, J., see Wilkinson, S.P. *et al.*
- RIGG, J.R.A., INMAN, E.M., SAUNDERS, N.A., LEEDER, S.R. & JONES, N.L. Interaction of mental factors with hypercapnic ventilatory drive in man 269–275
- ROBIN, E.R. Claude Bernard's (extended) *milieu interieur* revisited: autoregulation of cell and subcell integrity 443–448
- ROSS, F.P., see Hendy, G.N. *et al.*
- ROSSI, I., see Díaz Gil, J. *et al.*
- RUBINFELD, A.R. & PAIN, M.C.F. Bronchial provocation in the study of sensations associated with disordered breathing 423–428
- SACKNER, M.A., see Levinson, R. *et al.*
- SARGEANT, A.J., DAVIES, C.T.M., EDWARDS, R.H.T., MAUNDER, C. & YOUNG, A. Functional and structural changes after disuse of human muscle 337–342
- SAUNDERS, N.A., see Rigg, J.R.A. *et al.*
- SCHALEKAMP, M.A.D.H., BIRKENHÄGER, W.H., ZAAL, G.A. & KOLSTERS, G. Haemodynamic characteristics of low-renin hypertension 405–412
- SCHEDL, H.P., see Heading, R.C. *et al.*
- SCHLEGEL, W., WENK, K., DOLLINGER, H.C. & RAPTIS, S. Concentrations of prostaglandin A-, E- and F-like substances in gastric mucosa of normal subjects and of patients with various gastric diseases 255–258
- SCHLOEDER, F.X., see Stinebaugh, B.J. *et al.*
- SCHMIDT, M., see Imbs, J.L. *et al.*
- SCHMIDT, R.D., see Luke, R.G. *et al.*
- SCHWARTZ, J., see Imbs, J.L. *et al.*
- SCOTT, J.M., see Reed, B. *et al.*
- SCRIMSHAW, N.S., see Pencharz, P.B. *et al.*
- SEGAL, A.W. & PETERS, T.J. Analytical subcellular fractionation of human granulocytes with special reference to the localization of enzymes involved in microbicidal mechanisms 429–442
- SEGOVIA, J.M., see Díaz Gil, J. *et al.*
- SEYMOUR, C.A., NEALE, G. & PETERS, T.J. Lysosomal changes in liver tissue from patients with the Dubin–Johnson–Sprinz syndrome 241–248
- SEYMOUR, C.A. & PETERS, T.J. Enzyme activities in human liver biopsies: assay methods and activities of some lysosomal and membrane-bound enzymes in control tissue and serum 229–239
- SHAIKIN-KESTENBAUM, R., LERMAN, R., REUBEN, A. & BERLYNE, G.M. Plasma calcitonin in chronic renal failure: relation to other factors of importance in bivalent ion metabolism 577–583
- SHEARER, M.J., MCBURNEY, A., BRECKENRIDGE, A.M. & BARKHAN, P. Effect of warfarin on the metabolism of phylloquinone (vitamin K<sub>1</sub>): dose–response relationships in man 621–630
- SLACK, B.L. & LEDINGHAM, J.M. The effect of dietary sodium intake on the blood pressure and cardiac output responses to angiotensin II in unanaesthetized rats 571–576
- SLEISENGER, M.H., PELLING, D., BURSTON, D. & MATTHEWS, D.M. Amino acid concentrations in portal venous plasma during absorption from the small intestine of the guinea pig of an amino acid mixture simulating casein and a partial enzymic hydrolysate of casein 259–267
- SMITH, A.J., see Bing, R.F. *et al.*
- SMITH, I.K., see Wilkinson, S.P. *et al.*
- SMITH, L.H., see Meyer, J.L. *et al.*
- SMITH, R., see Williamson, D.H. *et al.*
- SPINKS, T., see Thompson, G.R. *et al.*
- STAMP, T.C.B., see Eastwood, J.B. *et al.*
- STEFFEE, W.P., see Pencharz, P.B. *et al.*
- STEGINK, L.D., see Heading, R.C. *et al.*

- STINEBAUGH, B.J., HOSTETTER, T.H., PERAINO, R.A., SCHLOEDER, F.X. & SUKI, W.N. Lack of dependence of urine  $PCO_2$  upon reduction of glomerular filtration rate in alkalotic dogs 119–123
- SUKI, W.N., see Stinebaugh, B.J. *et al.*
- SUMMERFIELD, J.A., CULLEN, J., BARNES, S. & BILLING, B.H. Evidence for renal control of urinary excretion of bile acids and bile acid sulphates in the cholestatic syndrome 51–65
- SWALES, J.D. & THURSTON, H. Sodium restriction and inhibition of the renin–angiotensin system in renovascular hypertension in the rat 371–375
- SWALES, J.D., see also Thurston, H. & Swales, J.D.
- SWARTZ, C., see Fernandes, M. *et al.*
- SYMONDS, E.M., see Broughton Pipkin, F. & Symonds, E.M.
- THOMPSON, G.R., SPINKS, T., RANICAR, A. & MYANT, N.B. Non-steady-state studies of low-density-lipoprotein turnover in familial hypercholesterolaemia 361–369
- THOMPSON, G.R., see also Marsh, A.R. *et al.*
- THURSTON, H. & SWALES, J.D. Blood pressure response of nephrectomized hypertensive rats to converting enzyme inhibition: evidence for persistent vascular renin activity 299–304
- THURSTON, H., see also Swales, J.D. & Thurston, H.
- TIGGELER, R.G.W.L., KOENE, R.A.P. & WIJDEVELD, P.G.A.B. Inhibition of frusemide-induced natriuresis by indomethacin in patients with the nephrotic syndrome 149–151
- TIZIANELLO, A., DE FERRARI, G., GURRERI, G. & ACQUARONE, N. Effects of metabolic alkalosis, metabolic acidosis and uraemia on whole-body intracellular pH in man 125–135
- TOWNSHEND, M.M., see Bing, R.F. *et al.*
- TREWBY, P.N., CHASE, R.A., DAVIS, M. & WILLIAMS, R. The role of the false neurotransmitter octopamine in the hypotension of fulminant hepatic failure 305–310
- TRIPPODO, N.C., HALL, J.E., LOHMEIER, T.E. & GUYTON, A.C. Intrarenal role of angiotensin II in controlling sodium excretion during dehydration in dogs 545–548
- TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C. Oxygen affinity *in vivo* and *in vitro* in chronic ventilatory failure 277–281
- USBERTI, M., see Cannella, G. *et al.*
- UYEDA, K., see Barcenás, C.G. *et al.*
- VEALL, N., see Love, A.H.G. *et al.*
- VELLY, J., see Imbs, J.L. *et al.*
- VERHOEF, N.J. & NOORDELOOS, P.J. Binding of transferrin and uptake of iron by rat erythroid cells *in vitro* 87–96
- WAHREN, J., see Gertz, I. *et al.*
- WALDER, D.N., see Weatherley, C.R. *et al.*
- WALTON, R.J., see Kanis, J.A. *et al.*
- WANG, J., see Hendy, G.N. *et al.*
- WEATHERALL, D.J. The molecular basis for abnormal gene action: recent lessons from the thalassaemia model 223–227
- WEATHERLEY, C.R., DALE, G., MCGURK, J. & WALDER, D.N. Bone necrosis and urinary hydroxyproline excretion in rabbits 523–526
- WEIR, D.G., see Reed, B. *et al.*
- WENK, K., see Schlegel, W. *et al.*
- WIJDEVELD, P.G.A.B., see Tiggeleer, R.G.W.L. *et al.*
- WILKINSON, S.P., SMITH, I.K., CLARKE, M., ARROYO, V., RICHARDSON, J., MOODIE, H. & WILLIAMS, R. Intrarenal distribution of plasma flow in cirrhosis as measured by transit renography: relationship with plasma renin activity, and sodium and water excretion 469–475
- WILLIAMS, R., see Trewby, P.N. *et al.*; see also Wilkinson, S.P. *et al.*



- WILLIAMSON, D.H., FARRELL, R., KERR, A. & SMITH, R. Muscle-protein catabolism after injury in man, as measured by urinary excretion of 3-methylhistidine 527-533
- WILSON, A., see Bennett, E.D. *et al.*
- WITH, T.K. Porphyrins in erythrocytes and blood plasma: preliminary studies with qualitative thin-layer chromatography 463-467
- WOOTTON, A.M., NEALE, G. & MOSS, D.W. Enzyme activities of cells of different types isolated from livers of normal and cholestatic rats 585-590
- WRONG, O.M., see Kopstein, J. & Wrong, O.M.
- YOUNG, A., see Edwards, R.H.T. *et al.*; see also Moulds, R.F.W. *et al.*; see also Sargeant, A.J. *et al.*
- YOUNG, V.R., see Pencharz, P.B. *et al.*
- ZAAL, G.A., see Schalekamp, M.A.D.H. *et al.*

## SUBJECT INDEX

- Absorption, intestinal, amino acid concentrations in portal venous plasma during, of amino acid mixture simulating casein and a partial enzymic hydrolysate of casein in the guinea pig SLEISENGER, M.H., PELLING, D., BURSTON, D. & MATTHEWS, D.M. 259-267
- Absorption, intestinal, of glycine and glycyL-L-proline in the rat HEADING, R.C., SCHEDL, H.P., STEGINK, L.D. & MILLER, D.L. 607-614
- Absorption, intestinal, relative transfer rates for sodium and xenon in LOVE, A.H.G., CHEN, L.C., REEVE, J. & VEALL, N. 249-254
- Acid-base balance, changes in, after prolonged exposure to 1% carbon dioxide PINGREE, B.J.W. 67-74
- Acid-base balance, intracellular, measurement of, in leucocytes of patients with chronic renal disease LEVIN, G.E. & BARON, D.N. 325-328
- Acidosis, metabolic, effects of, and metabolic alkalosis and uraemia on whole-body intracellular pH in man TIZIANELLO, A., DE FERRARI, G., GURRERI, G. & ACQUARONE, N. 125-135
- Acidosis, metabolic, measurement of intracellular pH in leucocytes of patients with, of renal failure LEVIN, G.E. & BARON, D.N. 325-328
- Adenosine triphosphate, concentration of, in muscle of patients with chronic obstructive lung disease and acute respiratory failure GERTZ, I., HEDENSTIERNA, G., HELLERS, G. & WAHREN, J. 395-403
- Adenosine triphosphate, content of, and 2,3-diphosphoglycerate in human erythrocytes after renal transplantation BARCENAS, C.G., PAEZ, P., UYEDA, K., PETERS, P.C. & HULL, A.R. 413-422
- Adenosine triphosphate, content of, in isolated preparations of human skeletal muscle MOULDS, R.F.W., YOUNG, A., JONES, D.A. & EDWARDS, R.H.T. 291-297
- Adrenalectomy, effect of, on natriuresis of blood volume expansion in the dog KALOYANIDES, G.J., COHEN, L. & DiBONA, G.F. 351-356
- Airways resistance, measurement of, in asthmatic subjects at threshold symptoms RUBINFELD, A.R. & PAIN, M.C.F. 423-428
- Alkaline phosphatase, see Phosphatase, alkaline
- Alkalosis, lack of dependence of urine  $P_{CO_2}$  on reduction of glomerular filtration rate in dogs with STINEBAUGH, B.J., HOSTETTER, T.H., PERAINO, R.A., SCHLOEDER, F.X. & SUKI, W.N. 119-123
- Alkalosis, metabolic, effects of, and metabolic acidosis and uraemia on whole-body intracellular pH in man TIZIANELLO, A., DE FERRARI, G., GURRERI, G. & ACQUARONE, N. 125-135
- Amino acid pools, effects of dipeptides administered intravenously in rats on ADIBI, S.A., KRZYSIK, B.A. & DRASH, A.L. 193-204
- Amino acids, assessment of requirement for, in human neonates PENCHARZ, P.B., STEFFEE, W.P., COCHRAN, W., SCRIMSHAW, N.S., RAND, W.M. & YOUNG, V.R. 485-498
- Amino acids, concentrations of, in portal venous plasma during absorption from guinea-pig small intestine of amino acid mixture simulating casein and a partial enzymic hydrolysate of casein SLEISENGER, M.H., PELLING, D., BURSTON, D. & MATTHEWS, D.M. 259-267
- Amino acids, plasma concentration of, in patients with Huntington's chorea PHILLIPSON, O.T. & BIRD, E.D. 311-318
- $\delta$ -Aminolaevulinatase synthase, hepatic, human, activity of, in cirrhotic and anticonvulsant-treated subjects BONKOWSKY, H.L. & POMEROY, J.S. 509-521
- Ammonia, origin and fate of, and urea in human saliva KOPSTEIN, J. & WRONG, O.M. 9-17
- Angiotensin II, course of arterial pressure and effect of analogue of, in model of two-kidney hypertension in conscious dogs MASAKI, Z., FERRARIO, C.M., BUMPUS, F.M., BRAVO, E.L. & KHOSLA, M.C. 163-170
- Angiotensin II, effect of dietary sodium intake on pressor activity of, in the unanaesthetized rat SLACK, B.L. & LEDINGHAM, J.M. 571-576
- Angiotensin II, effect of infusion of antagonist to, on blood pressure and plasma renin activity in hypertensive rats THURSTON, H. & SWALES, J.D. 299-304

- Angiotensin II, effect of inhibition of, and sodium restriction on renovascular hypertension in the rat SWALES, J.D. & THURSTON, H. 371-375
- Angiotensin II, factors affecting plasma concentrations of, in the human infant at birth BROUGHTON PIPKIN, F. & SYMONDS, E.M. 449-456
- Angiotensin II, intrarenal role of, in controlling sodium excretion during dehydration in dogs TRIPPODO, N.C., HALL, J.E., LOHMEIER, T.E. & GUYTON, A.C. 545-548
- Anticonvulsants, activity of human hepatic  $\delta$ -aminolaevulinic synthase in cirrhotic subjects treated with BONKOWSKY, H.L. & POMEROY, J.S. 509-521
- Antidiuretic hormone, suppression of plasma renin activity in man by intravenous infusion of HESSE, B. & NIELSEN, I. 357-360
- $\alpha_1$ -Antitrypsin, catabolic rate of, of Pi type M and Z in man LAURELL, C.-B., NOSSLIN, B. & JEPSSON, J.-O. 457-461
- Arteriovenous difference, determination of, in oxygen saturation in patients with chronic ventilatory failure TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C. 277-281
- Ascorbic acid, proline and hydroxyproline excretion and deficiency of, in elderly human subjects BATES, C.J. 535-543
- Aseptic necrosis of bone, urinary excretion of hydroxyproline in rabbits with WEATHERLEY, C.R., DALE, G., MCGURK, J. & WALDER, D.N. 523-526
- Aspirin, prostaglandin activity in sustained inflammation of human skin before and after PLUMMER, N.A., HENSBY, C.N., KOBZA BLACK, A. & GREAVES, M.W. 615-620
- Asthma, measurement of lung volumes, airway resistance and flow/volume curves in subject with, at threshold symptoms RUBINFELD, A.R. & PAIN, M.C.F. 423-428
- Atrophy, muscle, functional and structural changes in SARGEANT, A.J., DAVIES, C.T.M., EDWARDS, R.H.T., MAUNDER, C. & YOUNG, A. 337-342
- Azurophil granules, location of enzymes in, in human granulocytes subjected to analytical sub-cellular fractionation SEGAL, A.W. & PETERS, T.J. 429-442
- Bernard, Claude, *milieu interieur* (extended) of, revisited (Editorial Review) ROBIN, E.R. 443-448
- Bile acids, renal control of urinary excretion of, and bile acid sulphates in cholestatic syndrome SUMMERFIELD, J.A., CULLEN, J., BARNES, S. & BILLING, B.H. 51-65
- Biliary tract, human, assay methods and activities of enzymes of SEYMOUR, C.A. & PETERS, T.J. 229-239
- Bilirubin, unconjugated, kinetics of metabolism of, in normal subjects and patients with compensated cirrhosis OWENS, D., JONES, E.A. & CARSON, E.R. 555-570
- Bivalent ions, relation of plasma calcitonin to other factors of importance in metabolism of, in chronic renal failure SHAINKIN-KESTENBAUM, R., LERMAN, R., REUBEN, A. & BERLYNE, G.M. 577-583
- Blood flow, limitation of transfer rate for sodium from small intestine to plasma by LOVE, A.H.G., CHEN, L.C., REEVE, J. & VEALL, N. 249-254
- Blood gas analysis, arterial, effects of prolonged exposure to 1% carbon dioxide determined by PINGREE, B.J.W. 67-74
- Blood pressure, arterial, characteristics of, in patients with low-renin or normal-renin hypertension SCHALEKAMP, M.A.D.H., BIRKENHÄGER, W.H., ZAAL, G.A. & KOLSTERS, G. 405-412
- Blood pressure, arterial, high, the case for, as a factor in pathogenesis of vascular lesions in malignant hypertension (Editorial) BEILIN, L.J. & GOLDBY, F.S. 111-113
- Blood pressure, arterial, plasma renin and, in essential hypertension FAGARD, R., AMERY, A., REYBROUCK, T., LUNEN, P., BILLIET, L. & JOOSSENS, J.V. 591-597
- Blood pressure, effect of bilateral nephrectomy on, in rats with experimental hypertension THURSTON, H. & SWALES, J.D. 299-304
- Blood pressure, effect of dietary sodium intake on response of, to angiotensin II in the unanaesthetized rat SLACK, B.L. & LEDINGHAM, J.M. 571-576
- Blood pressure, effect of propranolol on, and renin in renal hypertension in the rat FERNANDES, M., ONESTI, G., DYKYJ, R., GOULD, A.B., FIORENTINI, R., KIM, K.E. & SWARTZ, C. 107-109

- Blood pressure, effect of sodium restriction and inhibition of the renin-angiotensin system on, in rats with renovascular hypertension SWALES, J.D. & THURSTON, H. 371-375
- Blood pressure, plasma concentration of noradrenaline in elevation of, by experimental renal artery constriction in the rat DARGIE, H.J., FRANKLIN, S.S. & REID, J.L. 477-483
- Blood volume, measurement of plasma renin activity and, in patients in terminal renal failure CANNELLA, G., CASTELLANI, A., MIONI, G., USBERTI, M., GUERRA, U., ALBERTINI, A. & MAIORCA, R. 19-21
- Bone, effect of 25-hydroxy vitamin D<sub>3</sub> on mineralization of, in osteomalacia of chronic renal failure EASTWOOD, J.B., STAMP, T.C.B., DE WARDENER, H.E., BORDIER, P.J. & ARNAUD, C.D. 499-508
- Bone, necrosis of, and urinary excretion of hydroxyproline in rabbits WEATHERLEY, C.R., DALE, G., MCGURK, J. & WALDER, D.N. 523-526
- Bone-marrow cells, rat, binding of transferrin and uptake of iron *in vitro* by VERHOEF, N.J. & NOORDELOOS, P.J. 87-96
- Brushite, epitaxial nucleation of crystals of, by whewellite crystals MEYER, J.L., BERGERT, J.H. & SMITH, L.H. 143-148
- Caesarean section, plasma concentration of angiotensin II in the human infant delivered by BROUGHTON PIPKIN, F. & SYMONDS, E.M. 449-456
- Calcitonin, plasma, chronic renal failure and SHAINKIN-KESTENBAUM, R., LERMAN, R., REUBEN, A. & BERLYNE, G.M. 577-583
- Calcitonin, plasma concentrations of, in patients with Paget's disease of bone KANIS, J.A., HEYNEN, G. & WALTON, R.J. 329-332
- Calcium, absorption of, in hypercalciuria (Editorial Review) NORDIN, B.E.C. 1-8
- Calcium, plasma, chronic renal failure and SHAINKIN-KESTENBAUM, R., LERMAN, R., REUBEN, A. & BERLYNE, G.M. 577-583
- Calcium, effect of 25-hydroxy vitamin D<sub>3</sub> on intestinal absorption of, in osteomalacia of chronic renal failure EASTWOOD, J.B., STAMP, T.C., DE WARDENER, H.E., BORDIER, P.J. & ARNAUD, C.D. 499-508
- Carbon dioxide, acid-base and respiratory changes after prolonged exposure to a raised concentration of PINGREE, B.J.W. 67-74
- Carbon dioxide, lack of dependence of urinary partial pressure of, on reduction of glomerular filtration rate in alkalotic dogs STINEBAUGH, B.J., HOSTETTER, T.H., PERAINO, R.A., SCHLOEDER, F.X. & SUKI, W.N. 119-123
- Carbon dioxide, new open-circuit method for estimation of partial pressure of, in mixed venous blood AL-DULYMI, R. & HAINSWORTH, R. 377-382
- Cardiac output, effect of dietary sodium intake on response of, to angiotensin II in the unanaesthetized rat SLACK, B.L. & LEDINGHAM, J.M. 571-576
- Cardiac output, plasma renin and, in essential hypertension FAGARD, R., AMERY, A., REYBROUCK, T., LIJNEN, P., BILLIET, L. & JOOSSENS, J.V. 591-597
- Casein, amino acid concentrations in portal venous plasma during absorption from guinea-pig small intestine of amino acid mixture simulating casein and a partial enzymic hydrolysate of SLEISINGER, M.H., PELLING, D., BURSON, D. & MATTHEWS, D.M. 259-267
- Catabolism, cortisol and (Editorial Review) ALBERTI, K.G.M.M. & JOHNSTON, D.G. 333-336
- Catecholamines, urinary excretion of, and their derivatives in primary hypertension in man BING, R.F., HARLOW, J., SMITH, A.J. & TOWNSHEND, M.M. 319-323
- Cell, autoregulation of, and subcell integrity (Editorial Review) ROBIN, E.R. 443-448
- Cell membrane, placental, human, binding of plasma proteins to BALFOUR, A.H. & JONES, E.A. 383-394
- Cerebral circulation, chemical control of (Editorial Review) CAMERON, I.R. 549-554
- Chemoreceptors, chemical control of cerebral circulation and (Editorial Review) CAMERON, I.R. 549-554

- Chloride, natriuresis in rats depleted of LUKE, R.G., KHANH, B.T., SCHMIDT, R.D. & GALLA, J.H. 23-31
- Cholestasis, enzyme activities of cells of different types isolated from livers of normal rats and rats in WOOTTON, A.M., NEALE, G. & MOSS, D.W. 585-590
- Cholestatic jaundice, renal control of urinary excretion of bile acids and bile acid sulphates in SUMMERFIELD, J.A., CULLEN, J., BARNES, S. & BILLING, B.H. 51-65
- Chromatography, thin-layer, qualitative, studies of porphyrins in erythrocytes and blood plasma by WITH, T.K. 463-467
- Cirrhosis, compensated, kinetics of metabolism of unconjugated bilirubin in normal subjects and patients with OWENS, D., JONES, E.A. & CARSON, E.R. 555-570
- Cirrhosis, human, mitochondrial functions and content of microsomal and mitochondrial cytochromes in DÍAZ GIL, J., ROSSI, I., ESCARTÍN, P., SEGOVIA, J.M. & GOSÁLVEZ, M. 599-606
- Cirrhosis, intrarenal distribution of plasma flow in, measured by transit renography WILKINSON, S.P., SMITH, I.K., CLARKE, M., ARROYO, V., RICHARDSON, J., MOODIE, H. & WILLIAMS, R. 469-475
- Cirrhosis, liver, activity of human hepatic  $\delta$ -aminolaevulinic synthase in subjects taking anti-convulsants and subjects with BONKOWSKY, H.L. & POMEROY, J.S. 509-521
- Cloпамide, effect of, on renin secretion in the anaesthetized dog compared with that of other diuretics IMBS, J.L., SCHMIDT, M., VELLY, J. & SCHWARTZ, J. 171-182
- Contractions, isometric, tests and normal values of, in human skeletal muscle EDWARDS, R.H.T., YOUNG, A., HOSKING, G.P. & JONES, D.A. 283-290
- Contractions, measurement of, in isolated preparations of human skeletal muscle MOULDS, R.F.W., YOUNG, A., JONES, D.A. & EDWARDS, R.H.T. 291-297
- Controversy in clinical science: malignant hypertension (Editorial) BEILIN, L.J. & GOLDBY, F.S.; MÖHRING, J. 111-117
- Cortisol, role of, in catabolism (Editorial Review) ALBERTI, K.G.M.M. & JOHNSTON, D.G. 333-336
- Creatinine clearance, increase in, in patients with acute left ventricular failure BENNETT, E.D., BROOKS, N.H., KEDDIE, J., LIS, Y. & WILSON, A. 43-50
- Creatine kinase, effect of pentobarbitone sodium on, of serum of normal and dystrophic hamsters NEERUNJUN, J.S. & DUBOWITZ, V. 137-142
- Creatine phosphate, concentration of, in muscle of patients with chronic obstructive lung disease and acute respiratory failure GERTZ, I., HEDENSTIERNA, G., HELLERS, G. & WAHREN, J. 395-403
- Cytochromes, content of, in mitochondria and microsomes in human cirrhosis DÍAZ GIL, J., ROSSI, I., ESCARTÍN, P., SEGOVIA, J.M. & GOSÁLVEZ, M. 599-606
- Decay curves, analysis of, for plasma glucose LAFFERTY, H.H., GIDDINGS, A.E.B. & MAGNALL, D. 97-101
- Decompression sickness, early diagnosis of aseptic necrosis of bone in WEATHERLEY, C.R., DALE, G., MCGURK, J. & WALDER, D.N. 523-526
- Dehydration, intrarenal role of angiotensin II in controlling sodium excretion in dogs during TRIPPODO, N.C., HALL, J.E., LOHMEIER, T.E. & GUYTON, A.C. 545-548
- 1,25-Dihydroxy-vitamin D<sub>3</sub>, hypercalciuria and NORDIN, B.E.C. 1-8
- 5,5-Dimethyl-2,4-oxazolidinedione, measurement of whole-body intracellular pH in man with TIZIANELLO, A., DE FERRARI, G., GURRERI, G. & ACQUARONE, N. 125-135
- Dipeptides, effects of nephrectomy and enterectomy on plasma clearance of, after intravenous injection in rats ADIBI, S.A. & KRZYSIK, B.A. 205-213
- Dipeptides, hydrolysis of, after intravenous injection into rats ADIBI, S.A., KRZYSIK, B.A. & DRASH, A.L. 193-204
- 2,3-Diphosphoglycerate, content of, and adenosine triphosphate in human erythrocytes after renal transplantation BARCENAS, C.G., PAEZ, P., UYEDA, K., PETERS, P.C. & HULL, A.R. 413-422
- 2,3-Diphosphoglycerate, measurement of, in erythrocytes of patients with chronic ventilatory failure TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C. 277-281

- Disappearance rate, analysis of curves showing, for glucose LAFFERTY, H.H., GIDDINGS, A.E.B. & MAGNALL, D. 97-101
- Diuretics, effect of chronic administration of, on intracellular electrolytes and pH of cardiac and skeletal muscle HALL, R.J.C. & CAMERON, I.R. 631-634
- DMO, see 5,5-dimethyl-2,4-oxazolidinedione
- Dopamine  $\beta$ -hydroxylase, activity of, in plasma of rats with experimental renovascular hypertension DARGIE, H.J., FRANKLIN, S.S. & REID, J.L. 477-483
- Dubin-Johnson-Sprinz syndrome, lysosomal changes in liver tissue from patients with SEYMOUR, C.A., NEALE, G. & PETERS, T.J. 241-248
- Duodenal ulcer, concentrations of prostaglandin A-, E- and F-like substances in gastric mucosa of normal subjects and of patients with SCHLEGEL, W., WENK, K., DOLLINGER, H.C. & RAPTIS, S. 255-258
- Electrolytes, intracellular, effect of chronic frusemide administration on, and pH of cardiac and skeletal muscle HALL, R.J.C. & CAMERON, I.R. 631-634
- Electrolytes, intrarenal role of, angiotensin II in controlling excretion of, during dehydration in dogs TRIPPODO, N.C., HALL, J.E., LOHMEIER, T.E. & GUYTON, A.C. 545-548
- Enterectomy, effects of, on plasma clearance of intravenously administered dipeptides in rats ADIBI, S.A. & KRZYSIK, B.A. 205-213
- Epitaxy, contribution of, to urolithiasis MEYER, J.L., BERGERT, J.H. & SMITH, L.H. 143-148
- Erythrocytes, adenosine triphosphate and 2,3-diphosphoglycerate in, after human renal transplantation BARCENAS, C.G., PAEZ, P., UYEDA, K., PETERS, P.C. & HULL, A.R. 413-422
- Erythrocytes, qualitative thin-layer chromatography in studies of porphyrins in WITH, T.K. 463-467
- Erythroid cells, rat, binding of transferrin and uptake of iron *in vitro* by VERHOEF, N.J. & NOORD-  
ELOOS, P.J. 87-96
- Erythropoietic protoporphyria, porphyrins in erythrocytes and blood plasma of patients with WITH, T.K. 463-467
- Ethacrynic acid, effect of, on renin secretion in the anaesthetized dog compared with that of other diuretics IMBS, J.L., SCHMIDT, M., VELLY, J. & SCHWARTZ, J. 171-182
- Ethanol, accentuation by phenobarbitone of fatty liver induced by MARSH, A.R., FRASER, H.S., BRECKENRIDGE, A., LEWIS, B. & THOMPSON, G.R. 219-222
- Exercise, maximum oxygen uptake of human muscles in, after immobilization of limb SARGEANT, A.J., DAVIES, C.T.M., EDWARDS, R.H.T., MAUNDER, C. & YOUNG, A. 337-342
- Fatty acids, non-esterified, plasma concentrations of, in patients with Huntington's chorea PHILLIPSON, O.T. & BIRD, E.D. 311-318
- Fibrinolysis, effect of oestrogen-containing compounds on activity for, of human venous blood JONES, K., NAISH, P.F. & ABER, G.M. 33-42
- First-order rate constants, analysis of decay curves and LAFFERTY, H.H., GIDDINGS, A.E.B. & MAGNALL, D. 97-101
- Folate polyglutamate, biosynthesis of, in the rat REED, B., WEIR, D.G. & SCOTT, J.M. 83-86
- [2-<sup>14</sup>C]Folic acid, biosynthesis of folate polyglutamates from, in the rat REED, B., WEIR, D.G. & SCOTT, J.M. 83-86
- Frusemide, effect of chronic administration of, on intracellular electrolytes and pH of cardiac and skeletal muscle HALL, R.J.C. & CAMERON, I.R. 631-634
- Frusemide, effect of, on renin secretion in the anaesthetized dog compared with that of other diuretics IMBS, J.L., SCHMIDT, M., VELLY, J. & SCHWARTZ, J. 171-182
- Frusemide, inhibition by indomethacin of natriuresis induced by, in patients with the nephrotic syndrome TIGGELER, R.G.W.L., KOENE, R.A.P. & WIJDEVELD, P.G.A.B. 149-151
- Gastric ulcer, concentrations of prostaglandin A-, E- and F-like substances in gastric mucosa of normal subjects and of patients with SCHLEGEL, W., WENK, K., DOLLINGER, H.C. & RAPTIS, S. 255-258

- Gastritis, concentrations of prostaglandin A-, E- and F-like substances in gastric mucosa of normal subjects and of patients with SCHLEGEL, W., WENK, K., DOLLINGER, H.C. & PARTIS, S. 255-258
- Genes, abnormal, molecular basis for action of (Editorial Review) WEATHERALL, D.J. 223-227
- Glomerular filtration rate, increase in, in patients with acute left ventricular failure BENNETT, E.D., BROOKS, N.H., KEDDIE, J., LIS, Y. & WILSON, A. 43-50
- Glomerular filtration rate, lack of dependence of urine  $PCO_2$  on reduction of, in alkalotic dogs STINEBAUGH, B.J., HOSTETTER, T-H., PERAINO, R.A., SCHLOEDER, F.X. & SUKI, W.N. 119-123
- Glucagon, effects of dipeptides administered intravenously in rats on secretion of ADIBI, S.A., KRZYSIK, B.A. & DRASH, A.L. 193-204
- Glucocorticoids, role of, in catabolism (Editorial Review) ALBERTI, K.G.M.M. & JOHNSTON, D.G. 333-336
- Glucose, effects of dipeptides administered intravenously in rats on concentration of ADIBI, S.A., KRZYSIK, B.A. & DRASH, A.L. 193-204
- Glucose, plasma, analysis of decay curves for LAFFERTY, H.H., GIDDINGS, A.E.B. & MAGNALL, D. 97-101
- Glucose, plasma concentrations of, in patients with Huntington's chorea PHILLIPSON, O.T. & BIRD, E.D. 311-318
- $\gamma$ -Glutamyl transferase, activity of, in cells of different types isolated from livers of normal and cholestatic rats WOOTTON, A.M., NEALE, G. & MOSS, D.W. 585-590
- Glycine, intestinal absorption of, in the rat HEADING, R.C., SCHEDL, H.P., STEGINK, L.D. & MILLER, D.L. 607-614
- Glycyl-L-proline, intestinal absorption of, in the rat HEADING, R.C., SCHEDL, H.P., STEGINK, L.D. & MILLER, D.L. 607-614
- Goldblatt hypertension, two-kidney, blood pressure and plasma renin activity after bilateral nephrectomy in rats with THURSTON, H. & SWALES, J.D. 299-304
- Granulocytes, human, analytical subcellular fractionation of, and localization of enzymes involved in microbicidal mechanisms SEGAL, A.W. & PETERS, T.J. 429-442
- Growth, requirement of protein for, in human neonates PENCHARZ, P.B., STEFFEE, W.P., COCHRAN, W., SCRIMSHAW, N.S., RAND, W.M. & YOUNG, V.R. 485-498
- Haemodynamics, octopamine and, in hypotension of fulminant hepatic failure TREWBY, P.N., CHASE, R.A., DAVIS, M. & WILLIAMS, R. 305-310
- Haemodynamics, renal and systemic, characteristics of, in patients with low-renin hypertension SCHALEKAMP, M.A.D.H., BIRKENHÄGER, W.H., ZAAL, G.A. & KOLSTERS, G. 405-412
- Haemodynamics, renal, in cirrhosis as measured by transit renography WILKINSON, S.P., SMITH, I.K., CLARKE, M., ARROYO, V., RICHARDSON, J., MOODIE, H. & WILLIAMS, R. 469-475
- Haemodynamics, systemic, plasma renin and, in essential hypertension FAGARD, R., AMERY, A., REYBROUCK, T., LIJNEN, P., BILLIET, L. & JOOSSENS, J.V. 591-597
- Haemoglobin, human, genetic control of, and forms of thalassaemia (Editorial Review) WEATHERALL, D.J. 223-227
- Heart disease, ischaemic, patterns of human serum lipoproteins in control population and in patients with GREEN, J. & CARNEY, S. 75-82
- Hepatic failure, fulminant, role of octopamine in hypotension of TREWBY, P.N., CHASE, R.A., DAVIS, M. & WILLIAMS, R. 305-310
- Hormones, role of, in catabolism (Editorial Review) ALBERTI, K.G.M.M. & JOHNSTON, D.G. 333-336
- Humoral factors, the case for, as well as pressure as agents in pathogenesis of vascular lesions in malignant hypertension (Editorial Review) MÖHRING, J. 113-117
- Huntington's chorea, plasma glucose, non-esterified fatty acids and amino acids in patients with PHILLIPSON, O.T. & BIRD, E.D. 311-318
- 25-Hydroxy vitamin D, competitive protein-binding assay for (Correspondence) HENDY, G.N., DOLEV, E., PREECE, M.A., PETTIFOR, J.M., ROSS, F.P. & WANG, J. 635-636

- 25-Hydroxy vitamin D<sub>3</sub>, effect of, in osteomalacia of chronic renal failure EASTWOOD, J.B., STAMP, T.C.B., DE WARDENER, H.E., BORDIER, P.J. & ARNAUD, C.D. 499-508
- Hydroxyproline, bone necrosis and urinary excretion of, in rabbits WEATHERLEY, C.R., DALE, G., MCGURK, J. & WALDER, D.N. 523-526
- Hydroxyproline, excretion of proline and, and vitamin C status in elderly human subjects BATES, C.J. 535-543
- Hypercalciuria (Editorial Review) NORDIN, B.E.C. 1-8
- Hypercapnia, chronic acid-base and respiratory changes in PINGREE, B.J.W. 67-74
- Hypercapnia, interaction of mental factors with ventilatory drive in, in man RIGG, J.R.A., INMAN, E.M., SAUNDERS, N.A., LEEDER, S.R. & JONES, N.L. 269-275
- Hypercholesterolaemia, familial, non-steady-state studies of low-density-lipoprotein turnover in THOMPSON, G.R., SPINKS, T., RANICAR, A. & MYANT, N.B. 361-369
- Hypertension, arterial, control of, in end-stage renal disease in man CANNELLA, G., CASTELLANI, A., MIONI, G., USBERTI, M., GUERRA, U., ALBERTINI, A. & MAIORCA, R. 19-21
- Hypertension, essential, plasma renin levels and systemic haemodynamics in FAGARD, R., AMERY, A., REYBROUCK, T., LIJNEN, P., BILLIET, L. & JOOSSENS, J.V. 591-597
- Hypertension, experimental, blood pressure and plasma renin activity after bilateral nephrectomy in rats with THURSTON, H. & SWALES, J.D. 299-304
- Hypertension, low-renin, haemodynamic characteristics of SCHALEKAMP, M.A.D.H., BIRKENHÄGER, W.H., ZAAL, G.A. & KOLSTERS, G. 405-412
- Hypertension, malignant, high arterial pressure versus humoral factors in pathogenesis of vascular lesions in (Editorial Review) BEILIN, L.J. & GOLDBY, F.S.; MÖHRING, J. 111-117
- Hypertension, primary, urinary excretion in man of catecholamines and their derivatives in BING, R.F., HARLOW, J., SMITH, A.J. & TOWNSHEND, M.M. 319-323
- Hypertension, renal, course of arterial pressure and effect of Sar<sup>1</sup>-Thr<sup>8</sup>-angiotensin II in a new model of, in conscious dogs MASAKI, Z., FERRARIO, C.M., BUMPUS, F.M., BRAVO, E.L. & KHOSLA, M.C. 163-170
- Hypertension, renal, effect of propranolol on blood pressure and renin in the rat with FERNANDES, M., ONESTI, G., DYKYJ, R., GOULD, A.B., FIORENTINI, R., KIM, K.E. & SWARTZ, C. 107-109
- Hypertension, renovascular, effect of sodium restriction and inhibition of the renin-angiotensin system on blood pressure in rats with SWALES, J.D. & THURSTON, H. 371-375
- Hypertension, renovascular, experimental, plasma concentration of noradrenaline in, in the rat DARGIE, H.J., FRANKLIN, S.S. & REID, J.L. 477-483
- Hypophysectomy, effect of, on natriuresis of blood volume expansion in the dog KALOYANIDES, G.J., COHEN, LOREN & DiBONA, G.F. 351-356
- Hypotension, role of octopamine in, of fulminant hepatic failure TREWBY, P.N., CHASE, R.A., DAVIS, M. & WILLIAMS, R. 305-310
- Hypoxia, resolution of hypoxic changes in heart and pulmonary arterioles of rats during intermittent correction of LEACH, E., HOWARD, P. & BARER, G.R. 153-162
- Immunoglobulins, human, binding of, to placental cell membranes BALFOUR, A.H. & JONES, E.A. 383-394
- Indapamide, effect of, on renin secretion in the anaesthetized dog compared with that of other diuretics IMBS, J.L., SCHMIDT, M., VELLY, J. & SCHWARTZ, J. 171-182
- Indomethacin, inhibition of frusemide-induced natriuresis by, in patients with the nephrotic syndrome TIGGELER, R.G.W.L., KOENE, R.A.P. & WIDEVEID, P.G.A.B. 149-151
- Inflammation, skin, human, prostaglandin activity in, before and after aspirin PLUMMER, N.A., HENSBY, C.N., KOBZA BLACK, A. & GREAVES, M.W. 615-620
- Injury, muscle-protein catabolism after, in man as measured by urinary excretion of 3-methyl-histidine WILLIAMSON, D.H., FARRELL, R., KERR, A. & SMITH, R. 527-533
- Insulin, effects of dipeptides administered intravenously in rats on secretion of ADIBI, S.A., KRZYSIK, B.A. & DRASH, A.L. 193-204



- Intestine, rat, absorption of glycine and glycy-L-proline by HEADING, R.C., SCHEDL, H.P., STEGINK, L.D. & MILLER, D.L. 607-614
- Intestine, relative transfer rates for sodium and xenon from, to plasma in man LOVE, A.H.G., CHEN, L.C., REEVE, J. & VEALL, N. 249-254
- Intracellular pH, whole-body, effects of metabolic alkalosis, metabolic acidosis and uraemia on, in man TIZIANELLO, A., DE FERRARI, G., GURRERI, G. & ACQUARONE, N. 125-135
- Iron, binding of transferrin and uptake of, by rat erythroid cells *in vitro* VERHOEF, N.J. & NOORD-  
ELOOS, P.J. 87-96
- Kidney, clearance of bile acids by SUMMERFIELD, J.A., CULLEN, J., BARNES, S. & BILLING, B.H. 51-65
- Kidney, increased function of, in patients with acute left ventricular failure BENNETT, E.D.,  
BROOKS, N.H., KEDDIE, J., LIS, Y. & WILSON, A. 43-50
- Kidney, rat, release of E-type prostaglandins from BELL, C. & MYA, M.K.K. 103-106
- Leucocytes, measurement of intracellular pH in, of patients with metabolic acidosis of renal failure  
LEVIN, G.E. & BARON, D.N. 325-328
- Lipofuscin, presence of, in liver lysosomes from patients with Dubin-Johnson-Sprinz syndrome  
SEYMOUR, C.A., NEALE, G. & PETERS, T.J. 241-248
- Lipoprotein, low-density, non-steady-state studies of turnover of, in familial hypercholesterolaemia  
THOMPSON, G.R., SPINKS, T., RANICAR, A. & MYANT, N.B. 361-369
- Lipoproteins, serum, patterns of, in human control and ischaemic heart-disease populations GREEN,  
J. & CARNEY, S. 75-82
- Liver, enzyme activation of cells of different types isolated from, of normal and cholestatic rats  
WOOTTON, A.M., NEALE, G. & MOSS, D.W. 585-590
- Liver, fatty, accentuation by phenobarbitone of, induced by ethanol MARSH, A.R., FRASER, H.S.,  
BRECKENRIDGE, A., LEWIS, B. & THOMPSON, G.R. 219-222
- Liver, human, assay methods and activities of enzymes of SEYMOUR, C.A. & PETERS, T.J. 229-239
- Lung, metabolism in muscle of patients with chronic obstructive disease of GERTZ, I., HEDENSTI-  
ERNA, G., HELLERS, G. & WAHREN, J. 395-403
- Lysosomes, liver, changes in, from patients with Dubin-Johnson-Sprinz syndrome SEYMOUR, C.A.,  
NEALE, G. & PETERS, T.J. 241-248
- Lysosomes, liver, human, assay methods for enzymes of SEYMOUR, C.A. & PETERS, T.J. 229-239
- Melanin, presence of, in liver lysosomes from patients with Dubin-Johnson-Sprinz syndrome  
SEYMOUR, C.A., NEALE, G. & PETERS, T.J. 241-248
- Mental arithmetic, effect of performance of, on ventilation in man RIGG, J.R.A., INMAN, E.M.,  
SAUNDERS, N.A., LEEDER, S.R. & JONES, N.L. 269-275
- Metabolic acidosis, see Acidosis, metabolic
- Metabolic alkalosis, see Alkalosis, metabolic
- Metabolic rate, effect of mental arithmetic tasks on, and ventilation in man RIGG, J.R.A., INMAN,  
E.M., SAUNDERS, N.A., LEEDER, S.R. & JONES, N.L. 269-275
- Metolazone, effect of, on renin secretion in the anaesthetized dog compared with that of other  
diuretics IMBS, J.L., SCHMIDT, M., VELLY, J. & SCHWARTZ, J. 171-182
- Methacholine, measurements of respiratory function in asthmatic subjects when threshold symptoms  
were induced by inhalation of RUBINFELD, A.R. & PAIN, M.C.F. 423-428
- 3-Methylhistidine, muscle-protein catabolism after injury in man as measured by urinary excretion  
of WILLIAMSON, D.H., FARRELL, R., KERR, A. & SMITH, R. 527-533
- Microsomes, content of cytochromes in, and mitochondria in human cirrhosis DÍAZ GIL, J.,  
ROSSI, I., ESCARTÍN, P., SEGOVIA, J.M. & GOSÁLVEZ, M. 599-606
- Microsomes, liver, human, assay methods for enzymes of SEYMOUR, C.A. & PETERS, T.J. 229-239
- Milieu interieur* (extended), autoregulation of cell and subcell integrity and, of Claude Bernard (Edi-  
torial Review) ROBIN, E.R. 443-448

- Mitochondria, functions of, and content of cytochromes in human cirrhosis DÍAZ GIL, J., ROSSI, I. ESCARTÍN, P., SEGOVIA, J.M. & GOSÁLVEZ, M. 599-606
- Molecular exclusion electrophoresis, patterns of human serum lipoproteins obtained by, in control and ischaemic heart-disease populations GREEN, J. & CARNEY, S. 75-82
- Mouth, absorption of ammonia from saliva in KOPSTEIN, J. & WRONG, O.M. 9-17
- Muscle, cardiac and skeletal, effect of chronic frusemide administration on intracellular electrolytes and pH of HALL, R.J.C. & CAMERON, I.R. 631-634
- Muscle, catabolism of protein of, after injury in man as measured by urinary excretion of 3-methyl-histidine WILLIAMSON, D.H., FARRELL, R., KERR, A. & SMITH, R. 527-533
- Muscle, concentration of metabolites in, of patients with chronic obstructive lung disease and acute respiratory failure GERTZ, I., HEDENSTIERNA, G., HELLERS, G. & WAHREN, J. 395-403
- Muscle, human, functional and structural changes after disuse of SARGEANT, A.J., DAVIES, C.T.M., EDWARDS, R.F.T., MAUNDER, C. & YOUNG, A. 337-342
- Muscle, skeletal, human, contractility, biochemistry and morphology of isolated preparation of MOULDS, R.F.W., YOUNG, A., JONES, D.A. & EDWARDS, R.H.T. 291-297
- Muscle, skeletal, human, tests and normal values of force of isometric contractions of EDWARDS, R.H.T., YOUNG, A., HOSKING, G.P. & JONES, D.A. 283-290
- Muscular dystrophy, effect of pentobarbitone sodium on serum creatine kinase of normal hamsters and hamsters with NEERUNJUN, J.S. & DUBOWITZ, V. 137-142
- Myocardial infarction, acute, increased renal function in patients with BENNETT, E.D., BROOKS, N.H., KEDDIE, J., LIS, Y. & WILSON, A. 43-50
- Natriuresis, effect of selected endocrine organ ablation on, of blood volume expansion in the dog KALOYANIDES, G.J., COHEN, L. & DiBONA, G.F. 351-356
- Natriuresis, inhibition by indomethacin of, induced by frusemide in patients with the nephrotic syndrome TIGGELER, R.G.W.L., KOENE, R.A.P. & WIJDEVELD, P.G.A.B. 149-151
- Needle biopsy, assay methods and activities of enzymes of human liver samples obtained by SEYMOUR, C.A. & PETERS, T.J. 229-239
- Neonates, human, nitrogen-balance studies in PENCHARZ, P.B., STEFFEE, W.P., COCHRAN, W., SCRIMSHAW, N.S., RAND, W.M. & YOUNG, V.R. 485-498
- Nephrectomy, effects of, on plasma clearance of intravenously administered dipeptides in rats ADIBI, S.A. & KRZYSIK, B.A. 205-213
- Nephrotic syndrome, inhibition of frusemide-induced natriuresis by indomethacin in patients with TIGGELER, R.G.W.L., KOENE, R.A.P. & WIJDEVELD, P.G.A.B. 149-151
- Newborn infant, factors affecting plasma concentrations of angiotensin II in BROUGHTON PIPKIN, F. & SYMONDS, E.M. 449-456
- Nicotinamide-adenine dinucleotides, subcellular localization of enzymes for oxidation of, in human granulocytes subjected to analytical subcellular fractionation SEGAL, A.W. & PETERS, T.J. 429-442
- Nitrogen balance, studies of, in human neonates PENCHARZ, P.B., STEFFEE, W.P., COCHRAN, W., SCRIMSHAW, N.S., RAND, W.M. & YOUNG, V.R. 485-498
- Nitrogen, urinary excretion of, after injury in man WILLIAMSON, D.H., FARRELL, R., KERR, A. & SMITH, R. 527-533
- Noradrenaline, plasma concentration of, in rats with experimental renovascular hypertension DARGIE, H.J., FRANKLIN, S.S. & REID, J.L. 477-483
- 5'-Nucleotidase, activity of, in cells of different types isolated from livers of normal and cholestatic rats WOOTTON, A.M., NEALE, G. & MOSS, D.W. 585-590
- Octopamine, role of, in hypotension of fulminant hepatic failure TREWBY, P.N., CHASE, R.A., DAVIS, M. & WILLIAMS, R. 305-310
- Oestrogens, effect of compounds containing, on platelets and fibrolytic activity of human venous blood JONES, K., NAISH, P.F. & ABER, G.M. 33-42

- Open-circuit method, estimation of carbon dioxide tension in mixed venous blood by AL-DULYMI, R. & HAINSWORTH R. 377-382
- Osteomalacia, effect of 25-hydroxy vitamin D<sub>3</sub> in, of chronic renal failure EASTWOOD, J.B., STAMP, T.C.B., DE WARDENER, H.E., BORDIER, P.J. & ARNAUD, C.D. 499-508
- Oxygen, maximum uptake of, in exercising human muscles after immobilization of limbs SARGEANT, A.J., DAVIES, C.T.M., EDWARDS, R.H.T., MAUNDER, C. & YOUNG, A. 337-342
- Oxygen, model for therapy with, involving intermittent hypoxia of rats LEACH, E., HOWARD, P. & BARER, G.R. 153-162
- Oxygen-haemoglobin affinity, determination of, in blood of patients with chronic ventilatory failure TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C. 277-281
- Paget's disease, plasma calcitonin in, of bone KANIS, J.A., HEYNEN, G. & WALTON, R.J. 329-332
- Parathormone, role of, in hypercalciuria (Editorial Review) NORDIN, B.E.C. 1-8
- Parathyroid hormone, amounts of, in plasma of patients with Paget's disease of bone KANIS, J.A., HEYNEN, G. & WALTON, R.J. 329-332
- Parathyroid hormone, plasma calcitonin and, in chronic renal failure SHANKIN-KESTENBAUM, R., LERMAN, R., REUBEN, A. & BERLYNE, G.M. 577-583
- Pentobarbitone sodium, effect of, on serum creatine kinase of normal and dystrophic hamsters NEERUNJUN, J.S. & DUBOWITZ, V. 137-142
- Peptide, intestinal absorption of, in the rat HEADING, R.C., SCHEDL, H.P., STEGINK, L.D. & MILLER, D.L. 607-614
- Peptides, absorption of, from guinea-pig small intestine SLEISENGER, M.H., PELLING, D., BURSTON, D. & MATTHEWS, D.M. 259-267
- pH, effect of chronic frusemide administration on electrolytes and, of cardiac and skeletal muscle HALL, R.J.C. & CAMERON, I.R. 631-634
- pH, intracellular, measurement of, in leucocytes of patients with metabolic acidosis of renal failure LEVIN, G.E. & BARON, D.N. 325-328
- pH, intracellular, whole-body, effects of metabolic alkalosis, metabolic acidosis and uraemia on, in man TIZIANELLO, A., DE FERRARI, G., GURRERI, G. & ACQUARONE, N. 125-135
- pH, intraerythrocytic, plasma pH and, in patients with chronic ventilatory failure TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C. 277-281
- Phenobarbitone, accentuation of ethanol-induced fatty liver by MARSH, A.R., FRASER, H.S., BRECKENRIDGE, A., LEWIS, B. & THOMPSON, G.R. 219-222
- Phosphatase, alkaline, activity of, in cells of different types isolated from livers of normal and cholestatic rats WOOTTON, A.M., NEALE, G. & MOSS, D.W. 585-590
- Phosphate, inorganic, measurement of, in erythrocytes of patients with chronic ventilatory failure TWEEDDALE, P.M., LEGGETT, R.J.E. & FLENLEY, D.C. 277-281
- Phosphate, plasma, hypercalciuria and (Editorial Review) NORDIN, B.E.C. 1-8
- Phosphorylcreatine, content of, in isolated preparations of human skeletal muscle MOULDS, R.F.W., YOUNG, A., JONES, D.A. & EDWARDS, R.H.T. 291-297
- Phylloquinone, effect of warfarin on metabolism of, in man SHEARER, M.J., MCBURNEY, A., BRECKENRIDGE, A.M. & BARKHAN, P. 621-630
- Placenta, human, binding of plasma proteins to cell membranes of BALFOUR, A.H. & JONES, E.A. 383-394
- Placenta, human, factors affecting concentrations of angiotensin II in plasma from BROUGHTON PIPKIN, F. & SYMONDS, E.M. 449-456
- Plasma, blood, qualitative thin-layer chromatography in studies of porphyrins in WITH, T.K. 463-467
- Plasma renin activity, measurement of blood volume and, in patients in terminal renal failure CANNELLA, G., CASTELLANI, A., MIONI, G., USBERTI, M., GUERRA, U., ALBERTINI, A. & MAIORCA, R. 19-21

- Plasma renin activity, relationship of intrarenal distribution of plasma flow in cirrhosis with WILKINSON, S.P., SMITH, I.K., CLARKE, M., ARROYO, V., RICHARDSON, J., MOODIE, H. & WILLIAMS, R. 469-475
- Plasma renin activity, suppression of, by intravenous injection of antidiuretic hormone in man HESSE, B. & NIELSEN, I. 357-360
- Platelet factor 3, effect of oestrogen-containing compounds on JONES, K., NAISH, P.F. & ABER, G.M. 33-42
- Platelets, blood, effect of oestrogen-containing compounds on JONES, K., NAISH, P.F. & ABER, G.M. 33-42
- Porphyryns, excretion of, in cirrhotic and anticonvulsant-treated subjects BONKOWSKY, H.L. & POMEROY, J.S. 509-521
- Proline, excretion of hydroxyproline and, and vitamin C status in elderly human subjects BATES, C.J. 535-543
- Propranolol, effect of, on blood pressure and renin in renal hypertension in the rat FERNANDES, M., ONESTI, G., DYKYJ, R., GOULD, A.B., FIORENTINI, R., KIM, K.E. & SWARTZ, C. 107-109
- Prostaglandin, activity of, in sustained inflammation of human skin before and after aspirin PLUMMER, N.A., HENSBY, C.N., KOBZA BLACK, A. & GREAVES, M.W. 615-620
- Prostaglandins, concentrations of substances like, in gastric mucosa of normal subjects and of patients with various gastric diseases SCHLEGEL, W., WENK, K., DOLLINGER, H.C. & RAPTIS, S. 255-258
- Prostaglandins E, release of, by vasopressin from rat kidney BELL, C. & MYA, M.K.K. 103-106
- Protein, metabolism of, in human neonates PENCHARZ, P.B., STEFFEE, W.P., COCHRAN, W., SCRIMSHAW, N.S., RAND, W.M. & YOUNG, V.R. 485-498
- Protein, muscle, catabolism of, after injury in man as measured by urinary excretion of 3-methyl-histidine WILLIAMSON, D.H., FARRELL, R., KERR, A. & SMITH, R. 527-533
- Proteins, plasma, human, binding of, to placental cell membranes BALFOUR, A.H. & JONES, E.A. 383-394
- Proteins, serum, measurement of Tamm-Horsfall glycoprotein in the presence of AVIS, P.J.G. 183-191
- Pulmonary arterioles, hypoxic muscularization of, in rats during intermittent correction of hypoxia LEACH, E., HOWARD, P. & BARER, G.R. 153-162
- Pulmonary capillaries, comparison of effects of water immersion and saline infusion in man on blood flow in LEVINSON, R., EPSTEIN, M., SACKNER, M.A. & BEGIN, R. 343-350
- Radioimmunoassay, estimation of Tamm-Horsfall glycoprotein in human serum by AVIS, P.J.G. 183-191
- Radioimmunoassay, measurement of calcitonin by, in plasma of patients with Paget's disease of bone KANIS, J.A., HEYNE, G. & WALTON, R.J. 329-332
- Renal artery, course of arterial pressure and effect of Sar<sup>1</sup>-Thr<sup>8</sup>-angiotensin II in conscious dogs with occlusion of MASAKI, Z., FERRARIO, C.M., BUMPUS, F.M., BRAVO, E.L. & KHOSLA, M.C. 163-170
- Renal failure, blood pressure control in, in man CANNELLA, G., CASTELLANI, A., MIONI, G., USBERTI, M., GUERRA, U., ALBERTINI, A. & MAIORCA, R. 19-21
- Renal failure, chronic, effect of 25-hydroxy vitamin D<sub>3</sub> in osteomalacia of EASTWOOD, J.B., STAMP, T.C.B., DE WARDENER, H.E., BORDIER, P.J. & ARNAUD, C.D. 499-508
- Renal failure, chronic, measurement of intracellular pH leucocytes of patients with LEVIN, G.E. & BARON, D.N. 325-328
- Renal failure, chronic, plasma calcitonin in SHAINKIN-KESTENBAUM, R., LERMAN, R., REUBEN, A. & BERLYNE, G.M. 577-583
- Renal transplantation, erythrocyte adenosine triphosphate and 2,3-diphosphoglycerate after BARCENAS, C.G., PAEZ, P., UYEDA, K., PETERS, P.C. & HULL, A.R. 413-422
- Renin-angiotensin system, effect of sodium restriction and inhibition of, on renovascular hypertension in the rat SWALES, J.D. & THURSTON, H. 371-375

- Renin, comparison of effects of diuretics on secretion of, in the anaesthetized dog IMBS, J.L., SCHMIDT, M., VELLY, J. & SCHWARTZ, J. 171-182
- Renin, concentration of, in plasma and systemic haemodynamics in essential hypertension FAGARD, R., AMERY, A., REYBROUCK, T., LIJNEN, P., BILLIET, L. & JOOSSENS, J.V. 591-597
- Renin, effect of bilateral nephrectomy on activity of, in rats with experimental hypertension THURSTON, H. & SWALES, J.D. 299-304
- Renin, effect of propranolol on blood pressure and, in renal hypertension in the rat FERNANDES, M., ONESTI, G., DYKYJ, R., GOULD, A.B., FIORENTINI, R., KIM, K.E. & SWARTZ, C. 107-109
- Renin, plasma, concentration of, in patients with low-renin or normal-renin hypertension SCHALEKAMP, M.A.D.H., BIRKENHÄGER, W.H., ZAAL, G.A. & KOLSTERS, G. 405-412
- Renin, plasma, suppression of activity of, by intravenous injection of antidiuretic hormone in man HESSE, B. & NIELSEN, I. 357-360
- Respiration, bronchial provocation in the study of sensations of, associated with disordered breathing RUBINFELD, A.R. & PAIN, M.C.F. 423-428
- Respiratory failure, acute, metabolism in muscle of patients with GERTZ, I., HEDENSTIERNA, G., HELLERS, G. & WAHREN, J. 395-403
- Reticulocytes, rat, binding of transferrin and uptake of iron *in vitro* by VERHOEF, N.J. & NOORDELOOS, P.J. 87-96
- Saline loading, comparison of effects of, and water immersion on central haemodynamics in man LEVINSON, R., EPSTEIN, M., SACKNER, M.A. & BEGIN, R. 343-350
- Saliva, human, origin and fate of urea and ammonia in KOPSTEIN, J. & WRONG, O.M. 9-17
- Sar<sup>1</sup>-Thr<sup>8</sup>-angiotensin II, course of arterial pressure and effect of, in model of two-kidney hypertension in conscious dogs MASAKI, Z., FERRARIO, C.M., BUMPUS, F.M., BRAVO, E.L. & KHOSLA, M.C. 163-170
- Skeletal muscle, see Muscle, skeletal
- Skin, human, prostaglandin activity in sustained inflammation of, before and after aspirin PLUMMER, N.A., HENSBY, C.N., KOBZA BLACK, A. & GREAVES, M.W. 615-620
- Sodium, dietary, effect of intake of, on blood pressure and cardiac output responses to angiotensin II in the unanaesthetized rat SLACK, B.L. & LEDINGHAM, J.M. 571-576
- Sodium, effect of inhibition of the renin-angiotensin system and restriction of, on renovascular hypertension in the rat SWALES, J.D. & THURSTON, H. 371-375
- Sodium, effect of selected endocrine organ ablation on excretion of, after blood volume expansion in the dog KALOYANIDES, G.J., COHEN, L. & DiBONA, G.F. 351-356
- Sodium, excretion of, in rats depleted of chloride LUKE, R.G., KHANH, B.T., SCHMIDT, R.D. & GALLA, J.H. 23-31
- Sodium, intrarenal role of angiotensin II in controlling excretion of, during dehydration in dogs TRIPPODO, N.C., HALL, J.E., LOHMEIER, T.E. & GUYTON, A.C. 545-548
- Sodium, relationships of intrarenal distribution of plasma in cirrhosis with excretion of WILKINSON, S.P., SMITH, I.K., CLARKE, M., ARROYO, V., RICHARDSON, J., MOODIE, H. & WILLIAMS, R. 469-475
- Sodium, relative transfer rates for, and xenon from gut lumen to plasma in man LOVE, A.H.G., CHEN, L.C., REEVE, J. & VEALL, N. 249-254
- Stone, renal, hypercalciuria and (Editorial Review) NORDIN, B.E.C. 1-8
- Subcellular fractionation, analytical, localization of enzymes involved in microbicidal mechanisms in human granulocytes by SEGAL, A.W. & PETERS, T.J. 429-442
- Succinyl-coenzyme A, requirement of exogenous system for generation of, to demonstrate increased human hepatic  $\delta$ -aminolevulinatase activity in cirrhotic and anti-convulsant subjects BONKOWSKY, H.L. & POMEROY, J.S. 509-521
- Sulphate esters, renal control of urinary excretion of, of bile acids in cholestatic syndrome SUMMERFIELD, J.A., CULLEN, J., BARNES, S. & BILLING, B.H. 51-65
- Tamm-Horsfall glycoprotein, radioimmunoassay procedure for estimation of, in human serum AVIS, P.J.G. 183-191

- Tetrahydrofurfuryl nicotinate, prostaglandin activity in sustained inflammation of human skin induced by, before and after aspirin PLUMMER, N.A., HENSBY, C.N., KOBZA BLACK, A. & GREAVES, M.W. 615-620
- Thalassaemia, recent lessons from, on the molecular basis for abnormal gene action (Editorial Review) WEATHERALL, D.J. 223-227
- Thyroparathyroidectomy, effect of, on natriuresis of blood volume expansion in the dog KALOYANIDES, G.J., COHEN, L. & DiBONA, G.F. 351-356
- Transcobalamins, serum, forms of vitamin B<sub>12</sub> found on MACDONALD, C.M.L.A., FARQUHARSON, J., BESSENT, R.G. & ADAMS, J.F. 215-218
- Transferrin, binding of, and uptake of iron by rat erythroid cells *in vitro* VERHOEF, N.J. & NOORDELOOS, P.J. 87-96
- Triglycerides, effect of ethanol and phenobarbitone on, in rat plasma and liver MARSH, A.R., FRASER, H.S., BRECKENRIDGE, A., LEWIS, B. & THOMPSON, G.R. 219-222
- Tryptophan, free, plasma concentration of, in patients with Huntington's chorea PHILLIPSON, O.T. & BIRD, E.D. 311-318
- Uraemia, effects of metabolic alkalosis, metabolic acidosis and, on whole-body intracellular pH in man TIZIANELLO, A., DE FERRARI, G., GURRERI, G. & ACQUARONE, N. 125-135
- Urea, origin and fate of, and ammonia in human saliva KOPSTEIN, J. & WRONG, O.M. 9-17
- Urinary concentration, effect of depletion of chloride in rats on LUKE, R.G., KHANH, B.T., SCHMIDT, R.D. & GALLA, J.H. 23-31
- Urolithiasis, epitaxial relationships in MEYER, J.L., BERGERT, J.H. & SMITH, L.H. 143-148
- Vanilloylmandelic acid, urinary excretion of, in primary hypertension in man BING, R.F., HARLOW, J., SMITH, A.J. & TOWNSEND, M.M. 319-323
- Venous blood, new open-circuit method for estimation of carbon dioxide tension in AL-DULYMI, R. & HAINSWORTH, R. 377-382
- Ventilation, effect of mental arithmetic tasks on, and responses to carbon dioxide RIGG, J.R.A., INMAN, E.M., SAUNDERS, N.A., LEEDER, S.R. & JONES, N.L. 269-275
- Ventricular failure, left, acute, increased renal function in patients with BENNETT, E.D., BROOKS, N.H., KEDDIE, J., LIS, Y. & WILSON, A. 43-50
- Ventricular hypertrophy, left, resolution of, in rats during intermittent correction of hypoxia LEACH, E., HOWARD, P. & BARER, G.R. 153-162
- Vasopressin, release of E-type prostaglandins by, from rat kidney BELL, C. & MYA, M.K.K. 103-106
- Vasopressin, suppression of plasma renin activity in man by intravenous infusion of HESSE, B. & NIELSEN, I. 357-360
- Vitamin B<sub>12</sub>, forms of, found on serum transcobalamins MACDONALD, C.M.L.A., FARQUHARSON, J., BESSENT, R.G. & ADAMS, J.F. 215-218
- Vitamin C, proline and hydroxyproline excretion and deficiency of, in elderly human subjects BATES, C.J. 535-543
- Vitamin K<sub>1</sub>, effect of warfarin on metabolism of, in man SHEARER, M.J., MCBURNEY, A., BRECKENRIDGE, A.M. & BARKHAN, P. 621-630
- Volume, fluid, body, comparison of effects of water immersion and saline infusion in man on homeostasis of LEVINSON, R., EPSTEIN, M., SACKNER, M.A. & BEGIN, R. 343-350
- Warfarin, effect of, on metabolism of phylloquinone (vitamin K<sub>1</sub>) in man SHEARER, M.J., MCBURNEY, A., BRECKENRIDGE, A.M. & BARKHAN, P. 621-630
- Water immersion, comparison of effects of, and saline infusion on central haemodynamics in man LEVINSON, R., EPSTEIN, M., SACKNER, M.A. & BEGIN, R. 343-350
- Water, relationship of intrarenal distribution of plasma in cirrhosis with excretion of WILKINSON, S.P., SMITH, I.K., CLARKE, M., ARROYO, V., RICHARDSON, J., MOODIE, H. & WILLIAMS, R. 469-475

- Whewellite, induction of epitaxial nucleation of brushite crystals by crystals of MEYER, J.L., BERGERT, J.H. & SMITH, L.H. 143-148
- Whole-body radioactivity counter, use of, in non-steady-state studies of low-density-lipoprotein turnover in familial hypercholesterolaemia THOMPSON, G.R., SPINKS, T., RANICAR, A. & MYANT, N.B. 361-369
- Xenon, relative transfer rates for, and sodium from gut lumen to plasma in man LOVE, A.H.G., CHEN, L.C., REEVE, J. & VEALL, N. 249-254