

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 50

AUTHOR INDEX

ACKRILL, P., MCINTOSH, C.S., NIMMON, C., BAKER, L.R.I. & CATTELL, W.R. A comparison of the clearance of urographic contrast medium (sodium diatrizoate) by peritoneal and haemodialysis	69
AGLI, B., see Giudicelli, Y. <i>et al.</i>	
ARCHER, S., see Cross, B.A. <i>et al.</i>	
ARNOT, R.N., see Lowy, C. <i>et al.</i>	
ASKENASI, R., LE LOUS, M., BAZIN, S. & RAO, V.H. Urinary excretion of hydroxylysyl glycosides during acute inflammation in the rat	195
BAILEY-WOOD, R., see White, G.P. <i>et al.</i>	
BAKER, L.R.I., see Ackrill, P. <i>et al.</i>	
BAKHLE, Y.S. & BLOCK, A.J. Effects of halothane on pulmonary inactivation of noradrenaline and prostaglandin E ₂ in anaesthetized dogs	87
BARER, G.R., EDWARDS, C.W. & JOLLY, A.I. Changes in the carotid body and the ventilatory response to hypoxia in chronically hypoxic rats	311
BARON, D.N., see Levin, G.E. <i>et al.</i>	
BATT, R.M. & PETERS, T.J. Absorption of galactose by the rat small intestine <i>in vivo</i> : proximal-distal kinetic gradients and a new method to express absorption per enterocyte	499
BATT, R.M. & PETERS, T.J. Effects of prednisolone on the small intestinal mucosa of the rat	511
BAZIN, S., see Askenasi, R. <i>et al.</i>	
BERK, P.D., SCHARSCHMIDT, B.F., WAGGONER, J.G. & WHITE, S.C. The effect of repeated phlebotomy on bilirubin turnover, bilirubin clearance and unconjugated hyperbilirubinaemia in the Crigler-Najjar syndrome and the jaundiced Gunn rat: application of computers to experimental design	333
BETTER, O.S., see Shasha, S.M. <i>et al.</i>	
BIRD, E.D., see Phillipson, O.T. & Bird, E.D.	
BISSET, G.W., BLACK, A., HILTON, P.J., JONES, N.F. & MONTGOMERY, M. Polyuria associated with an antibody to vasopressin	277
BLACK, A., see Bisset, G.W. <i>et al.</i>	
BLENDIS, L.M., see Metz, G. <i>et al.</i>	
BLOCK, A.J., see Bakhle, Y.S. & Block, A.J.	
BODDY, K., HUME, R., WHITE, C., PACK, A., KING, P.C., WEYERS, E., ROWAN, T. & MILLS, E. The relation between potassium in body fluids and total body potassium in healthy and diabetic subjects	455
BRANCH, R.A., see Durrington, P.N. <i>et al.</i>	
BRODIE, M.J., GRAHAM, D.J.M., THOMPSON, G.G., MOORE, M.R. & GOLDBERG, A. The porphyrinogenic effects of kryptopyrrole in the rat and the occurrence of urinary kryptopyrrole in human hereditary hepatic porphyria	431
BRODOVCKY, H., see Epstein, S. <i>et al.</i>	
BYRNES, D.J., SHIU KUM LAM & SIRCUS, W. The relation between functioning parietal cell and gastrin cell masses in two groups of duodenal ulcer patients	375
CALNE, D.B., see Teychenne, P.F. <i>et al.</i>	
CATTELL, W.R., see Ackrill, P. <i>et al.</i>	
CHAIMOVITZ, C., see Shasha, S.M. <i>et al.</i>	
CHAU, N.P., see Safar, M.E. <i>et al.</i>	
CHERNIACK, N.S., see Stanley, N.N. & Cherniack, N.S.; see also Stanley, N.N. <i>et al.</i>	
CLARKE, R.M. Evidence for both luminal and systemic factors in the control of rat intestinal epithelial replacement	139

CLAVERIA, L.E., see Teychenne, P.F. <i>et al.</i>	
COBO, F., see Mirkovitch, V. <i>et al.</i> ; see also Robinson, J.W.L. <i>et al.</i>	
COHEN, R.D., see Yudkin, J. & Cohen, R.D.; see also Yudkin, J. <i>et al.</i>	
COLLINSON, P., see Levin, G.E. <i>et al.</i>	
COOKSLEY, W.G.E., see Howell, A. <i>et al.</i>	
CROSS, B.A., GUZ, A., JAIN, S.K., ARCHER, S., STEVENS, J. & REYNOLDS, F. The effect of anaesthesia of the airway in dog and man: a study of respiratory reflexes, sensations and lung mechanics	439
CRYER, A., RILEY, S.E., WILLIAMS, E.R. & ROBINSON, D.S. Effect of nutritional status on rat adipose tissue, muscle and post-heparin plasma clearing factor lipase activities: their relationship to triglyceride fatty acid uptake by fat-cells and to plasma insulin concentrations	213
DANPURE, C.J., see Howell, A. <i>et al.</i>	
DAVIES, C.J., see Siddle, K. <i>et al.</i>	
DAVIS, C., see Rebuck, A.S. <i>et al.</i>	
DAWSON, A.M., see Gibson, J.A. <i>et al.</i>	
DE CAMPOS, R., see Wedge, J.H. <i>et al.</i>	
DICKINSON, C.J., see Thompson, J.M.A. & Dickinson, C.J.	
DOE, W.F., see L'Hirondel, C. <i>et al.</i>	
DOLDER, M.A., see Nimmo, I.A. <i>et al.</i>	
DOMAN, J., see Shasha, S.M. <i>et al.</i>	
DOWELL, A.R., see Farber, M.O. <i>et al.</i>	
DUPONT, J., see Vincent, M. <i>et al.</i>	
DURRINGTON, P.N., ROBERTS, C.J.C., JACKSON, L., BRANCH, R.A. & HARTOG, M. Effect of phenobarbitone on plasma lipids in normal subjects	349
EALES, L., see Epstein, S. <i>et al.</i>	
EDWARDS, C.W., see Barer, G.R. <i>et al.</i>	
ELEGBELEYE, O.O. & FEMI-PEARSE, D. Ventilatory response to carbon dioxide in tetanus	83
ELKELES, R.S., see Siddle, K. <i>et al.</i>	
ELLIOTT, A.J., see Healy, J.K. & Elliott, A.J.	
ENHOLM, C., see Huttunen, J.K. <i>et al.</i>	
EPSTEIN, S., SAGEL, J., BRODOVCKY, H., TUFF, S. & EALES, L. Absence of an acute effect of calcium or parathyroid hormone administration on plasma renin activity in man	79
FARBER, M.O., SZWED, J.J., DOWELL, A.R. & STRAWBRIDGE, R.A. The acute effects of respiratory and metabolic acidosis on renal function in the dog	165
FARRELL, R., see Wedge, J.H. <i>et al.</i>	
FEMI-PEARSE, D., see Elegbeleye, O.O. & Femi-Pearse, D.	
FINE, A., THOMSON, R.M., JONES, J.V., MURRAY, R.G., TWEDDLE, A. & GRAY, C.E. The renal handling of insulin and thyroid hormones in normal man	435
FLEISCH, H., see Gebauer, U. <i>et al.</i>	
FORSLING, M.L., see Khokhär, A.M. <i>et al.</i>	
FRAYN, K.N. Disappearance of ^{125}I -labelled and unlabelled insulins from blood in normal and injured rats	385
FULOP, M. The ventilatory response in severe metabolic acidosis	367
GARLICK, P.J., see James, W.P.T. <i>et al.</i>	
GASSULL, M.A., see Metz, G. <i>et al.</i>	
GBEBAUER, U., RUSSELL, R.G.G., TOUABI, M. & FLEISCH, H. Effect of diphosphonates on adenosine 3':5'-cyclic monophosphate in mouse calvaria after stimulation by parathyroid hormone <i>in vitro</i>	473

GIBSON, J.A., PARK, N.J., SLADEN, G.E. & DAWSON, A.M. The role of the colon in urea metabolism in man	51
GIUDICELLI, Y., PECQUERY, R., AGLI, B., JAMIN, C. & QUEVAUVILLIERS, J. Lipoprotein lipase and hormone-sensitive lipase activities in human subcutaneous lipomas: comparison with normal subcutaneous adipose tissue	315
GOLDBERG, A., see Brodie, M.J. <i>et al.</i>	
GOMBA, S., see Mirkovitch, V. <i>et al.</i>	
GOMPERTZ, D., see Teychenne, P.F. <i>et al.</i>	
GRAHAM, D.J.M., see Brodie, M.J. <i>et al.</i>	
GRAHAME-SMITH, D.G., see Youdim, M.B.H. <i>et al.</i>	
GRAY, C.E., see Fine, A. <i>et al.</i>	
GUZ, A., see Cross, B.A. <i>et al.</i>	
 HARRISON, L.C. & KING-ROACH, A.P. Cell size and glucose oxidation rate in adipose tissue from non-diabetic and diabetic obese human subjects	171
HARTOG, M., see Durrington, P.N. <i>et al.</i>	
HEALY, J.K. & ELLIOTT, A.J. Multiple changes in distal stop-flow electrolyte patterns and reduction of acid excretion induced in rabbits by angiotensin	91
HILTON, P.J., see Bisset, G.W. <i>et al.</i>	
HOFFBRAND, A.V., TRIPP, E. & LAVOIE, A. Synthesis of folate polyglutamates in human cells	61
HOWELL, A., COOKSLEY, W.G.E. & DANPURE, C.J. Release of colony-stimulating activity from the isolated perfused rat liver	539
HOWELL, J.B.L., see Matthews, A.W. & Howell, J.B.L.	
HUME, R., see Boddy, K. <i>et al.</i>	
HUTTUNEN, J.K., ENHOLM, C., KEKKI, M. & NIKKILÄ, E.A. Post-heparin plasma lipoprotein lipase and hepatic lipase in normal subjects and in patients with hypertriglyceridaemia: correlations to sex, age and various parameters of triglyceride metabolism	249
 ILIC, V., see Wedge, J.H. <i>et al.</i>	
JACKSON, L., see Durrington, P.N. <i>et al.</i>	
JACOBS, A., see White, G.P. <i>et al.</i>	
JAIN, S.K., see Cross, B.A. <i>et al.</i>	
JAMES, W.P.T., GARLICK, P.J., SENDER, P.M. & WATERLOW, J.C. Studies of amino acid and protein metabolism in normal man with L-[U- ¹⁴ C]tyrosine	525
JAMIN, C., see Giudicelli, Y. <i>et al.</i>	
JAMISON, J.P. & WALLACE, W.F.M. The pattern of venous drainage of surgically created side-to-side arteriovenous fistulae in the human forearm	37
JAMISON, J.P., see also Wallace, W.F.M. & Jamison, J.P.	
JENKINS, D.J.A., see Metz, G. <i>et al.</i>	
JOLLY, A.I., see Barer, G.R. <i>et al.</i>	
JONES, J.V., see Fine, A. <i>et al.</i>	
JONES, N.F., see Bisset, G.W. <i>et al.</i>	
JONES, N.L., see Sutton, J.R. <i>et al.</i>	
JOWETT, T.P., see Khokhär, A.M. <i>et al.</i>	
 KEKKI, M., see Huttunen, J.K. <i>et al.</i>	
KELSEN, S.G., see Stanley, N.N. <i>et al.</i>	
KERR, A., see Wedge, J.H. <i>et al.</i>	
KHOKHÄR, A.M., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N.N. Effect of vasopressin on plasma volume and renin release in man	415

KHOKHÄR, A.M., SLATER, J.D.H., JOWETT, T.P. & PAYNE, N.N. Suppression of the renin-aldosterone system in mild essential hypertension	269
KING, P.C., see Boddy, K. <i>et al.</i>	
KING-ROACH, A.P., see Harrison, L.C. & King-Roach, A.P.	
KISHON, Y., see Shasha, S.M. <i>et al.</i>	
KORNERUP, H.J., see Pedersen, E.B. & Kornerup, H.J.	
 LAVOIE, A., see Hoffbrand, A.V. <i>et al.</i>	
LEDINGHAM, J.M., see Slack, B.L. & Ledingham, J.M.	
LEE, K.D., see Stockley, R.A. & Lee, K.D.	
LEEDS, A.R., see Metz, G. <i>et al.</i>	
LE LOUS, M., see Askenasi, R. <i>et al.</i>	
LENNANE, R.J., STOCKIGT, J. & PEART, W.S. The effect of active immunization against aldosterone on the colonic potential response and sodium excretion in rabbits	545
LEVIN, G.E., COLLINSON, P. & BARON, D.N. The intracellular pH of human leucocytes in response to acid-base changes <i>in vitro</i>	293
LEVIN, M.L., see Nicholson, J.P. <i>et al.</i>	
L'HIRONDEL, C., DOE, W.F. & PETERS, T.J. Biochemical and morphological studies on human jejunal mucosa maintained in culture	425
LINDSAY, R. & PARKER, J.L.W. Rat hepatic sodium plus potassium ion-dependent adenosine triphosphatase after treatment with digoxin and thyroxine	329
LONDON, G.M., see Safar, M.E. <i>et al.</i>	
LONGMIRE, D., see Rebuck, A.S. <i>et al.</i>	
LOWY, C., ARNOT, R.N. & RUSSELL FRASER, T. Measurement of an index of muscle capillary permeability and its correlation with serum insulin values in maturity-onset diabetic subjects	131
 MACGILLIVARY, B.B., see Teychenne, P.F. <i>et al.</i>	
MATTHEWS, A.W. & HOWELL, J.B.L. Assessment of responsiveness to carbon dioxide in patients with chronic airways obstruction by rate of isometric inspiratory pressure development	199
MCINTOSH, C.S., see Ackrill, P. <i>et al.</i>	
MENGE, H., see Mirkovitch, V. <i>et al.</i> ; see also Robinson, J.W.L. <i>et al.</i>	
METZ, G., GASSULL, M.A., LEEDS, A.R., BLENDIS, L.M. & JENKINS, D.J.A. A simple method of measuring breath hydrogen in carbohydrate malabsorption by end-expiratory sampling	237
MILLIEZ, P.P., see Safar, M.E. <i>et al.</i>	
MILLS, E., see Boddy, K. <i>et al.</i>	
MIRKOVITCH, V., COBO, F., ROBINSON, J.W.L., MENGE, H. & GOMBA, S. Morphology and function of the dog ileum after mechanical occlusion	123
MIRKOVITCH, V., see also Robinson, J.W.L. <i>et al.</i>	
MONTGOMERY, M., see Bisset, G.W. <i>et al.</i>	
MOORE, M.R., see Brodie, M.J. <i>et al.</i>	
MOUTAFIS, C.D. & MYANT, N.B. The distribution of [¹⁴ C]cholesterol in muscle and skin of Rhesus monkeys after intravenous injection	307
MURRAY, R.G., see Fine, A. <i>et al.</i>	
MYANT, N.B., see Moutafis, C.D. & Myant, N.B.	
 NICHOLSON, J.P., TAYLOR, C.M. & LEVIN, M.L. Regression lines and correlations	319
NIKKILÄ, E.A., see Huttunen, J.K. <i>et al.</i>	
NIMMO, I.A., SMITH, R.H., DOLDER, M.A. & OLIVER, M.F. Turnover of plasma glucose and free fatty acids in patients on the first day after myocardial infarction	401
NIMMON, C., see Ackrill, P. <i>et al.</i>	

OLIVER, M.F., see Nimmo, I.A. *et al.*

PACK, A., see Boddy, K. <i>et al.</i>	
PARK, N.J., see Gibson, J.A. <i>et al.</i>	
PARKER, J.L.W., see Lindsay, R. & Parker, J.L.W.	
PAYNE, N.N., see Khokhär, A.M. <i>et al.</i>	
PEART, W.S., see Lennane, R.J. <i>et al.</i>	
PECQUERY, R., see Giudicelli, Y. <i>et al.</i>	
PEDERSEN, E.B. & KORNERUP, H.J. Renal haemodynamics and plasma renin in patients with essential hypertension	409
PETERS, T.J. & SEYMOUR, C.A. Acid hydrolase activities and lysosomal integrity in liver biopsies from patients with iron overload	75
PETERS, T.J. & SHIO, H. Analytical subcellular fractionation studies on rat liver and on isolated jejunal enterocytes with special reference to the separation of lysosomes, peroxisomes and mitochondria	355
PETERS, T.J., see also Batt, R.M. & Peters, T.J.; see also L'Hirondel, C. <i>et al.</i>	
PHILLIPSON, O.T. & BIRD, E.D. Plasma growth hormone concentrations in Huntington's chorea	551
PIMSTONE, B.L., see Weinkove, C. <i>et al.</i>	
POWLES, A.C.P., see Rebuck, A.S. <i>et al.</i>	
PRICE, J., see Teychenne, P.F. <i>et al.</i>	
QUEVAUVILLIERS, J., see Giudicelli, Y. <i>et al.</i>	
QURESHI, A.R. & WILKINSON, J.H. The fate of circulating lactate dehydrogenase-5 in the rabbit	1
RAO, V.H., see Askenasi, R. <i>et al.</i>	
REBUCK, A.S., DAVIS, C., LONGMIRE, D., UPTON, A.R.M. & POWLES, A.C.P. Arterial oxygenation and carbon dioxide tensions in the production of hypoxic electroencephalographic changes in man	301
REEVE, J., see Wootton, R. <i>et al.</i>	
REYNOLDS, F., see Cross, B.A. <i>et al.</i>	
RILEY, S.E., see Cryer, A. <i>et al.</i>	
ROBERTS, C.J.C., see Durrington, P.N. <i>et al.</i>	
ROBINSON, D.S., see Cryer, A. <i>et al.</i>	
ROBINSON, J.W.L., MENGE, H., SEPÚLVEDA, F.V., COBO, F. & MIRKOVITCH, V. The functional response of the dog ileum to one hour's ischaemia	115
ROBINSON, J.W.L., see also Mirkovitch, V. <i>et al.</i>	
ROSS, B.D. Effect of inhibition of gluconeogenesis on ammonia production in the perfused rat kidney	493
ROWAN, T., see Boddy, K. <i>et al.</i>	
RUSSELL, R.G.G., see Gebauer, U. <i>et al.</i>	
RUSSELL FRASER, T., see Lowy, C. <i>et al.</i>	
SAFAR, M.E., CHAU, N.P., WEISS, Y.A., LONDON, G.M., SIMON, A.C. & MILLIEZ, P.P. The pressure-volume relationship in normotensive and permanent essential hypertensive patients	207
SAGEL, J., see Epstein, S. <i>et al.</i>	
SASSARD, J., see Vincent, M. <i>et al.</i>	
SCHARSCHMIDT, B.F., see Berk, P.D. <i>et al.</i>	
SENDER, P.M., see James, W.P.T. <i>et al.</i>	
SEPÚLVEDA, F.V., see Robinson, J.W.L. <i>et al.</i>	
SEYMOUR, C.A., see Peters, T.J. & Seymour, C.A.	
SHASHA, S.M., BETTER, O.S., CHAIMOVITZ, C., DOMAN, J. & KISHON, Y. Haemodynamic studies in dogs with chronic bile-duct ligation	533
SHETTY, K.J., see Siddle, K. <i>et al.</i>	
SHIO, H., see Peters, T.J. & Shio, H.	

SHIU KUM LAM, see Byrnes, D.J. <i>et al.</i>	
SIDDLE, K., DAVIES, C.J., SHETTY, K.J. & ELKELES, R.S. The effect of insulin on adenosine 3':5'-monophosphate and guanosine 3':5'-monophosphate concentrations in human plasma	487
SIMON, A.C., see Safar, M.E. <i>et al.</i>	
SIRCUS, W., see Byrnes, D.J. <i>et al.</i>	
SLACK, B.L. & LEDINGHAM, J.M. The influence of sodium intake on the pressor response to angiotensin II in the unanaesthetized rat	285
SLACK, B.L., see also Yudkin, J. <i>et al.</i>	
SLADEN, G.E., see Gibson, J.A. <i>et al.</i>	
SLATER, J.D.H., see Khokhär, A.M. <i>et al.</i>	
SMITH, R., see Wedge, J.H. <i>et al.</i>	
SMITH, R.H., see Nimmo, I.A. <i>et al.</i>	
STANLEY, N.N. & CHERNIACK, N.S. Effect of liver failure on the cerebral circulatory and metabolic responses to hypoxia in the goat	15
STANLEY, N.N., KELSEN, S.G. & CHERNIACK, N.S. Effect of liver failure on the ventilatory response to hypoxia in man and the goat	25
STEVENS, J., see Cross, B.A. <i>et al.</i>	
STOCKIGT, J., see Lennane, R.J. <i>et al.</i>	
STOCKLEY, R.A. & LEE, K.D. Estimation of the resting reflex hypoxic drive to respiration in patients with diffuse pulmonary infiltration	109
STRAWBRIDGE, R.A., see Farber, M.O. <i>et al.</i>	
SUMMARY, J.J. The spectrophotometric determination of human serum carboxypolypeptidase with angiotensin converting enzyme-like activity	321
SUTTON, J.R., JONES, N.L. & TOEWS, C.J. Growth hormone secretion in acid-base alterations at rest and during exercise	241
SZWED, J.J., see Farber, M.O. <i>et al.</i>	
TAYLOR, C.M., see Nicholson, J.P. <i>et al.</i>	
TEYCHENNE, P.F., WALTERS, I., CLAVERIA, L.E., CALNE, D.B., PRICE, J., MACGILLIVARY, B.B. & GOMPERTZ, D. The encephalopathic action of five-carbon-atom fatty acids in the rabbit	463
THOMPSON, G.G., see Brodie, M.J. <i>et al.</i>	
THOMPSON, J.M.A. & DICKINSON, C.J. The relation between the excretion of sodium and water and the perfusion pressure in the isolated, blood-perfused, rabbit kidney, with special reference to changes occurring in clip-hypertension	223
THOMSON, R.M., see Fine, A. <i>et al.</i>	
TOEWS, C.J., see Sutton, J.R. <i>et al.</i>	
TOUABI, M., see Gebauer, U. <i>et al.</i>	
TRIPP, E., see Hoffbrand, A.V. <i>et al.</i>	
TUFF, S., see Epstein, S. <i>et al.</i>	
TWEDDLE, A., see Fine, A. <i>et al.</i>	
UPTON, A.R.M., see Rebuck, A.S. <i>et al.</i>	
VEALL, N., see Wootton, R. <i>et al.</i>	
VINCENT, M., DUPONT, J. & SASSARD, J. Plasma renin activity as a function of age in two new strains of spontaneously hypertensive and normotensive rats	103
WAGGONER, J.G., see Berk, P.D. <i>et al.</i>	
WALLACE, W.F.M. & JAMISON, J.P. Measurement by venous occlusion plethysmography of blood flow through surgically created fistulae in the human forearm	43
WALLACE, W.F.M., see also Jamison, J.P. & Wallace, W.F.M.	

WALTERS, I., see Teychenne, P.F. <i>et al.</i>	
WATERLOW, J.C., see James, W.P.T. <i>et al.</i>	
WEDGE, J.H., DE CAMPOS, R., KERR, A., SMITH, R., FARRELL, R., ILIC, V. & WILLIAMSON, D.H. Branched-chain amino acids, nitrogen excretion and injury in man	393
WEINKOVE, C., WEINKOVE, E.A. & PIMSTONE, B.L. Glucose tolerance and insulin release in mal-nourished rats	153
WEINKOVE, E.A., see Weinkove, C. <i>et al.</i>	
WEISS, Y.A., see Safar, M.E. <i>et al.</i>	
WEYERS, E., see Boddy, K. <i>et al.</i>	
WHITE, C., see Boddy, K. <i>et al.</i>	
WHITE, G.P., BAILEY-WOOD, R. & JACOBS, A. The effect of chelating agents on cellular iron metabolism	145
WHITE, S.C., see Berk, P.D. <i>et al.</i>	
WILKINSON, J.H., see Qureshi, A.R. & Wilkinson, J.H.	
WILLIAMS, E.R., see Cryer, A. <i>et al.</i>	
WILLIAMSON, D.H., see Wedge, J.H. <i>et al.</i>	
WOODS, H.F., see Youdim, M.B.H. <i>et al.</i>	
WOOTTON, R., REEVE, J. & VEALL, N. The clinical measurement of skeletal blood flow	261
YOUSDIM, M.B.H., GRAHAME-SMITH, D.G. & WOODS, H.F. Some properties of human platelet mono-amine oxidase in iron-deficiency anaemia	479
YUDKIN, J. & COHEN, R.D. The effect of acidosis on lactate removal by the perfused rat kidney	185
YUDKIN, J., COHEN, R.D. & SLACK, B. The haemodynamic effects of metabolic acidosis in the rat	177

SUBJECT INDEX

- Absorption, intestinal, effect of ischaemia on, in the dog ROBINSON, J.W.L., MENGE, H., SEPÚLVEDA, F.V.
COBO, F. & MIRKOVITCH, V. 115-122
- Absorption, intestinal, effect of prednisolone on, in the rat BATT, R.M. & PETERS, T.J. 511-523
- Absorption, intestinal, of galactose *in vivo* BATT, R.M. & PETERS, T.J. 499-509
- Acid hydrolase, activity of, and lysosomal integrity in liver biopsies from patients with iron overload PETERS, T.J. & SEYMOUR, C.A. 75-78
- Acid, maximal output of, in duodenal ulcer patients BYRNES, D.J., SHIU KUM LAM & SIRCUS, W. 375-383
- Acid, reduction of renal excretion of, induced in rabbits by angiotensin HEALY, J.K. & ELLIOTT, A.J. 91-102
- Acidaemia, metabolic, ventilatory response in FULOP, M. 367-373
- Acid-base balance, intracellular pH of human leucocytes in response to changes in LEVIN, G.E., COLLINSON, P. & BARON, D.N. 293-299
- Acid-base balance, secretion of growth hormone in alterations of, in man at rest and during exercise SUTTON, J.R., JONES, N.L. & TOEWS, C.J. 241-247
- Acidosis, effect of inhibition of gluconeogenesis on ammonia production in rat kidney during ROSS, B.D. 493-498
- Acidosis, effect of, on lactate removal by the perfused rat kidney YUDKIN, J. & COHEN, R.D. 185-194
- Acidosis, metabolic and respiratory, acute effect of, on renal function in the dog FARBER, M.O., SZWED, J.J., DOWELL, A.R. & STRAWBRIDGE, R.A. 165-169
- Acidosis, metabolic, haemodynamic effects of, in the rat YUDKIN, J., COHEN, R.D. & SLACK, B. 177-184
- Acidosis, metabolic, severe, ventilatory response in FULOP, M. 367-373
- Acid phosphatase, histochemical changes in content of, in mucosal cells after mechanical occlusion of the ileum MIRKOVITCH, V., COBO, F., ROBINSON, J.W.L., MENGE, H. & GOMBA, Sz. 123-130
- Adenosine 3':5'-monophosphate, effect of diphosphonates on, in mouse calvaria after stimulation by parathyroid hormone *in vitro* GEBAUER, U., RUSSELL, R.G.G., TOUABI, M. & FLEISCH, H. 473-478
- Adenosine 3':5'-monophosphate, effect of insulin on concentration of, in human plasma SIDDLE, K., DAVIES, C.J., SHETTY, K.J. & ELKELES, R.S. 487-491
- Adenosine triphosphatase, hepatic sodium plus potassium ion-dependent, effect of treating rats with digoxin and thyroxine on LINDSAY, R. & PARKER, J.L.W. 329-332
- Adipose tissue, human, cell size and glucose oxidation rate in, from non-diabetic and diabetic subjects HARRISON, L.C. & KING-ROACH, A.P. 171-175
- Adipose tissue, rat, effect of nutritional status on clearing factor lipase activity of CRYER, A., RILEY, S.E., WILLIAMS, E.R. & ROBINSON, D.S. 213-221
- Adipose tissue, subcutaneous, lipoprotein lipase and hormone-sensitive lipase activities in human subcutaneous lipomas and comparison with GUIDICELLI, Y., PECQUERY, R., AGLI, B., JAMIN, C. & QUEVAUVILLIERS, J. 315-318
- Aerosol, effect of breathing bupivacaine as, on respiratory reflexes, sensations and lung mechanics in dog and man CROSS, B.A., GUZ, A., JAIN, S.K., ARCHER, S., STEVENS, J. & REYNOLDS, F. 439-454
- Age, effect of, on renal haemodynamics and plasma renin in patients with essential hypertension PEDERSEN, E.B. & KORNERUP, H.J. 409-414
- Age, plasma renin activity as a function of, in two new strains of spontaneously hypertensive and normotensive rats VINCENT, M., DUPONT, J. & SASSARD, J. 103-107
- Airway, effect of anaesthesia of, on respiratory reflex sensations and lung mechanics in dog and man CROSS, B.A., GUZ, A., JAIN, S.K., ARCHER, S., STEVENS, J. & REYNOLDS, F. 439-454
- Airways, assessment of responsiveness to carbon dioxide in patients with chronic obstruction of, by rate of isometric inspiratory pressure development MATTHEWS, A.W. & HOWELL, J.B.L. 199-205
- Aldosterone, effect of active immunization against, on the colonic potential response and sodium excretion in rabbits LENNANE, R.J., STOCKIGT, J. & PEART, W.S. 545-549
- Altitude, high, resemblance of changes in carotid body and ventilatory response to hypoxia in chronically hypoxic rats to changes with living at BARER, G.R., EDWARDS, C.W. & JOLLY, A.I. 311-313

- Alveolar air, method of measuring hydrogen concentration in, by end-expiratory sampling METZ, G., GASSULL, M.A., LEEDS, A.R., BLENDIS, L.M. & JENKINS, D.J.A. 237-240
- Amino acid, metabolism of, and protein studied in normal man with L-[U-¹⁴C]tyrosine JAMES, W.P.T., GARLICK, P.J., SENDER, P.M. & WATERLOW, J.C. 525-532
- Amino acids, branched-chain, blood concentrations of, and nitrogen excretion after injury in man WEDGE, J.H., DE CAMPOS, R., KERR, A., SMITH, R., FARRELL, R., ILIC, V. & WILLIAMSON, D.H. 393-399
- Aminophyllin, effect of, on release of insulin in malnourished rats WEINKOVE, C., WEINKOVE, E.A. & PIMSTONE, B.L. 153-163
- Ammonia, effect of inhibition of gluconeogenesis on production of, in the perfused rat kidney ROSS, B.D. 493-498
- Anaemia, iron-deficiency, properties of human platelet monoamine oxidase in YOUSDIM, M.B.H., GRAHAME-SMITH, D.G. & WOODS, H.F. 479-485
- Anaesthesia, effect of, of airway on respiratory reflexes, sensations and lung mechanics in dog and man CROSS, B.A., GUZ, A., JAIN, S.K., ARCHER, S., STEVENS, J. & REYNOLDS, F. 439-454
- Anaesthesia, effect of, on plasma renin activity in strains of spontaneously hypertensive and normotensive rats VINCENT, M., DUPONT, J. & SASSARD, J. 103-107
- Angiotensin II, influence of sodium intake on the pressor response to, in the unanaesthetized rat SLACK, B.L. & LEDINGHAM, J.M. 285-291
- Angiotensin, multiple changes in distal stop-flow electrolyte patterns and reduction of acid excretion induced in rabbits by HEALY, J.K. & ELLIOTT, A.J. 91-102
- Angiotensin, spectrophotometric determination of human serum carboxy polypeptidase with enzyme activity for conversion of SUMMARY, J.J. 321-327
- Anoxaemia, effect of liver failure on, of the cerebral circulation in the goat STANLEY, N.N. & CHERNIACK, N.S. 15-23
- Anoxaemia, effect of liver failure on the ventilatory response to, in man and the goat STANLEY, N.N., KELSEN, S.G. & CHERNIACK, N.S. 25-35
- Anoxia, cerebral, effect of liver failure on, in the goat STANLEY, N.N. & CHERNIACK, N.S. 15-23
- Antipyrine, effect of phenobarbitone on clearance of, in normal subjects DURRINGTON, P.N., ROBERTS, C.J.C., JACKSON, L., BRANCH, R.A. & HARTOG, M. 349-353
- Arginine vasopressin, effect of, on plasma volume and renin release in man KHOKHÄR, A.M., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N.N. 415-424
- Arteriovenous fistulae, measurement by venous occlusion plethysmography of blood flow in, surgically created in the human forearm WALLACE, W.F.M. & JAMISON, J.P. 43-49
- Arteriovenous fistulae, pattern of venous drainage of, surgically created in the human forearm JAMISON, J.P. & WALLACE, W.F.M. 37-41
- Bile duct, haemodynamic studies in dogs with chronic ligation of SHASHA, S.M., BETTER, O.S., CHAIMOVITZ, C., DOMAN, J. & KISHON, Y. 533-537
- Bilirubin, effect of repeated phlebotomy on turnover and clearance of, and unconjugated hyperbilirubinaemia in the Crigler-Najjar syndrome and the jaundiced Gunn rat BERK, P.D., SCHARSCHMIDT, B.F., WAGGONER, J.G. & WHITE, S.C. 333-348
- Blood flow, effect of metabolic acidosis on, in the rat YUDKIN, J., COHEN, R.D. & SLACK, B. 177-184
- Blood flow, measurement by venous occlusion plethysmography of, through surgically created arteriovenous fistulae in the human forearm WALLACE, W.F.M. & JAMISON, J.P. 43-49
- Blood flow, renal, in normotensive and permanent essential hypertensive patients SAFAR, M.E., CHAU, N.P.H., LONDON, G.M., WEISS, Y.A., SIMON, A.C.H. & MILLIEZ, P.P. 207-212
- Blood flow, skeletal, clinical measurement of WOOTTON, R., REEVE, J. & VEALL, N. 261-268
- Blood pressure, effect of metabolic acidosis on, in the rat YUDKIN, J., COHEN, R.D. & SLACK, B. 177-184
- Blood pressure, influence of sodium intake on the rise in, in response to angiotensin II in the unanaesthetized rat SLACK, B.L. & LEDINGHAM, J.M. 285-291
- Bone, clinical measurement of blood flow in WOOTTON, R., REEVE, J. & VEALL, N. 261-268

- Bone, mouse, effect of diphosphonates on adenosine 3':5'-monophosphate in, after stimulation by parathyroid hormone *in vitro* GEBAUER, U., RUSSELL, R.G.G., TOUABI, M. & FLEISCH, H. 473-478
- Brain, effect of liver failure on the circulatory and metabolic responses of, to hypoxia in the goat STANLEY, N.N. & CHERNIACK, N.S. 15-23
- Brain, rabbit, encephalopathic action of five-carbon-atom fatty acids injected during ventriculocisternal perfusion of TEYCHENNE, P.F., WALTERS, I., CLAVERIA, L.E., CALNE, D.B., PRICE, J., MACGILLIVRAY, B.B. & GOMPERTZ, D. 463-472
- Bromine (⁷⁷Br), clearance of, as index of muscle capillary permeability LOWY, C., ARNOT, R.N. & FRASER, T.R. 131-138
- Bupivacaine, effect of anaesthesia of airway with, on respiratory reflex sensations and lung mechanics in dog and man CROSS, B.A., GUZ, A., JAIN, S.K., ARCHER, S., STEVENS, J. & REYNOLDS, F. 439-454
- Calcium, absence of an acute effect of administration of, or parathyroid hormone on plasma renin activity in man EPSTEIN, S., SAGEL, J., BRODOVCKY, J., TUFF, S. & EALES, L. 79-81
- Capillary permeability, muscle, index of, and its correlation with serum insulin values in maturity-onset diabetic subjects LOWY, C., ARNOT, R.N. & FRASER, T.R. 131-138
- Carbohydrate, method of measuring breath hydrogen in malabsorption of, by end-expiratory sampling METZ, G., GASSULL, M.A., LEEDS, A.R., BLENDIS, L.M. & JENKINS, D.J.A. 237-240
- Carbon dioxide, arterial oxygenation and tensions of, in production of hypoxic electroencephalographic changes in man REBUCK, A.S., DAVIS, C., LONGMIRE, D., UPTON, A.R.M. & POWLES, A.C.P. 301-306
- Carbon dioxide, assessment of responsiveness to, in patients with chronic airways obstruction by rate of isometric inspiratory pressure development MATTHEWS, A.W. & HOWELL, J.B.L. 199-205
- Carbon dioxide, ventilatory response to, in patients with tetanus ELEGBELEYE, O.O. & FEMI-PEARSE, D. 83-86
- Carboxypropeptidase, serum, human, spectrophotometric determination of, with angiotensin converting enzyme-like activity SUMMARY, J.J. 321-327
- Cardiac index, effect in dogs of chronic bile-duct ligation on SHASHA, S.M., BETTER, O.S., CHAIMOVITZ, C., DOMAN, J. & KISHON, Y. 533-537
- Cardiac output, effect of metabolic acidosis on, in the rat YUDKIN, J., COHEN, R.D. & SLACK, B. 177-184
- Carotid body, changes in, in chronically hypoxic rats BARER, G.R., EDWARDS, C.W. & JOLLY, A.I. 311-313
- Cells, size of, in adipose tissue from non-diabetic and diabetic obese human subjects HARRISON, L.C. & KING-ROACH, A.P. 171-175
- Cerebrospinal fluid, encephalopathic action of five-carbon-atom fatty acids in rabbits present in, after intra-venous injection TEYCHENNE, P.F., WALTERS, I., CLAVERIA, L.E., CALNE, D.B., PRICE, J., MACGILLIVRAY, B.B. & GOMPERTZ, D. 463-472
- Chelating agents, effect of, on cellular iron metabolism WHITE, G.P., BAILEY-WOOD, R. & JACOBS, A. 145-152
- Chemoreceptors, effect of liver failure on the function of, in hypoxia in man and the goat STANLEY, N.N., KELSEN, S.G. & CHERNIACK, N.S. 25-35
- Cholesterol, effect of phenobarbitone on, of plasma in normal subjects DURRINGTON, P.N., ROBERTS, C.J.C., JACKSON, L., BRANCH, R.A. & HARTOG, M. 349-353
- Cholesterol, ¹⁴C-labelled, distribution of, in muscle and skin of Rhesus monkeys after intravenous injection MOUTAFIS, C.D. & MYANT, N.B. 307-310
- Clearing factor lipase, effect of nutritional status on the activity of, in the rat CRYER, A., RILEY, S.E., WILLIAMS, E.R. & ROBINSON, D.S. 213-221
- Clip-hypertension, experimental, relation between excretion of sodium and water and perfusion pressure in isolated rabbit kidney with reference to changes occurring in THOMPSON, J.M.A. & DICKINSON, C.J. 223-236
- Collagen, metabolism of, during acute inflammation in the rat ASKENASI, R., LE LOUIS, M., BAZIN, S. & RAO, V.H. 195-197
- Colon, role of, in urea metabolism in man GIBSON, J.A., PARK, N.J., SLADEN, G.E. & DAWSON, A.M. 51-59

- Colonic potential, effect of active immunization against aldosterone on the response of, in rabbits LENNANE, R.J., STOCKIGT, J. & PEART, W.S. 545-549
- Colony-stimulating activity, release of, from the isolated perfused rat liver HOWELL, A., COOKSLEY, W.G.E. & DANPURE, C.J. 539-544
- Compartmental models, use of, for erythrokinetics and production of bilirubin to predict effects of phlebotomy BERK, P.D., SCHARSCHMIDT, B.F., WAGGONER, J.G. & WHITE, S.C. 333-348
- Correlations, regression lines and (Correspondence) NICHOLSON, J.P. 319-320
- Crigler-Najjar syndrome, effect of repeated phlebotomy on turnover and clearance of bilirubin and unconjugated hyperbilirubinaemia in BERK, P.D., SCHARSCHMIDT, B.F., WAGGONER, J.G. & WHITE, S.C. 333-348
- Cyclic AMP, *see* Adenosine 3':5'-monophosphate
- Cyclic GMP, *see* Guanosine 3':5'-monophosphate
- Deoxyribonucleic acid, synthesis of, in human jejunal mucosa maintained in culture L'HIRONDEL, C., DOE, W.F. & PETERS, T.J. 425-429
- Desferrioxamine, effect of, on cellular iron metabolism WHITE, G.P., BAILEY-WOOD, R. & JACOBS, A. 145-152
- Diabetes, cell size and glucose oxidation rate in adipose tissue from obese human subjects with HARRISON, L.C. & KING-ROACH, A.P. 171-175
- Diabetes, relation between potassium in body fluids and total body potassium in healthy subjects and patients with BODDY, K., HUME, R., WHITE, C., PACK, A., KING, P.C., WEYERS, E., ROWAN, T. & MILLS, E. 455-461
- Diabetes insipidus, development of antibody to vasopressin in patient with diagnosis of BISSET, G.W., BLACK, A., HILTON, P.J., JONES, N.F. & MONTGOMERY, M. 277-283
- Diabetes mellitus, maturity-onset, measurement of an index of muscle capillary permeability and its correlation with serum insulin values in patients with LOWY, C., ARNOT, R.N. & FRASER, T.R. 131-138
- Diatrizoate, comparison of clearance of, by peritoneal dialysis and haemodialysis ACKRILL, P., MCINTOSH, C.A., NIMMON, C., BAKER, L.R.I. & CATTELL, W.R. 69-74
- Dichloromethylene diphosphonate, effect of, on adenosine 3':5'-monophosphate in mouse calvaria after stimulation by parathyroid hormone *in vitro* GEBAUER, U., RUSSELL, R.G.G., TOUABI, M. & FLEISCH, H. 473-478
- Diethylenetriamine penta-acetic acid, effect of, on cellular ion metabolism WHITE, G.P., BAILEY-WOOD, R. & JACOBS, A. 145-152
- Digoxin, rat hepatic sodium plus potassium ion-dependent adenosine triphosphatase after treatment with LINDSAY, R. & PARKER, J.L.W. 329-332
- Diphosphonates, effect of, on adenosine 3':5'-monophosphate in mouse calvaria after stimulation by parathyroid hormone *in vitro* GEBAUER, U., RUSSELL, R.G.G., TOUABI, M. & FLEISCH, H. 473-478
- Duodenal ulcer, relation between functioning parietal cell and gastrin cell masses in two groups of patients with BYRNES, D.J., SHIU KUM LAM & SIRCUS, W. 375-383
- Electroencephalogram, arterial oxygenation and carbon dioxide tensions in man in production of hypoxic changes in REBUCK, A.S., DAVIS, C., LONGMIRE, D., UPTON, A.R.M. & POWLES, A.C.P. 301-306
- Electroencephalography, encephalopathic action of injected five-carbon-atom fatty acids shown by, in rabbits TEYCHENNE, P.F., WALTERS, I., CLAVERIA, L.E., CALNE, D.B., PRICE, J., MACGILLIVRAY, B.B. & GOMPERTZ, D. 463-472
- Electrolytes, multiple changes in distal stop-flow transport of, induced in rabbits by angiotensin HEALY, J.K. & ELLIOTT, A.J. 91-102
- End-expiratory sampling, method of measuring breath hydrogen in carbohydrate malabsorption by METZ, G., GASSULL, M.A., LEEDS, A.R., BLENDIS, L.M. & JENKINS, D.J.A. 237-240
- Enterocyte, single, method of expressing absorption by BATT, R.M. & PETERS, T.J. 499-509

- Enterocytes, isolated, analytical fractionation of rat liver and, with special reference to separation of lysosomes, peroxisomes and mitochondria PETERS, T.J. & SHIO, H. 355-366
- Enzymes, turnover and metabolism of, in the circulation of the rabbit QURESHI, A.R. & WILKINSON, J.H. 1-14
- Epithelium, intestinal, luminal and systemic factors in the control of replacement of, in the rat CLARKE, R.M. 139-144
- Erythrocytes, potassium in, and plasma of healthy and diabetic subjects BODDY, K., HUME, R., WHITE, C., PACK, A., KING, P.C., WEYERS, E., ROWAN, T. & MILLS, E. 455-461
- Essential hypertension, see Hypertension, essential
- Ethane-1-hydroxy-1,1-diphosphonate, effect of, on adenosine 3':5'-monophosphate in mouse calvaria after stimulation by parathyroid hormone *in vitro* GEBAUER, U., RUSSELL, R.G.G., TOUABI, M. & FLEISCH, H. 473-478
- Ether, disappearance of insulin from blood in normal and injured rats anaesthetized with FRAYN, K.N. 385-392
- Exercise, growth hormone secretion in acid-base alterations at rest and during SUTTON, J.R., JONES, N.L. & TOEWS, C.J. 241-247
- Extracellular fluid, effect of arginine vasopressin on volume of, in man KHOKHÄR, A.M., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N.N. 415-424
- Extracellular fluid, effect of suppression of the renin-aldosterone system by expansion of volume of, in normal and hypertensive men KHOKHÄR, A.M., SLATER, J.D.H., JOWETT, T.P. & PAYNE, N.N. 269-276
- Fat-cell, relation of clearing factor lipase activities to uptake of triglyceride fatty acid by, in the rat CRYER, A., RILEY, S.E., WILLIAMS, E.R. & ROBINSON, D.S. 213-221
- Fatty acids, free, turnover of plasma glucose and, in patients on the first day after myocardial infarction NIMMO, I.A., SMITH, R.H., DOLDER, M.A. & OLIVER, M.F. 401-407
- Fatty acids, volatile, encephalopathic action of, in the rabbit TEYCHENNE, P.F., WALTERS, I., CLAVERIA, L.E., CALNE, D.B., PRICE, J., MACGILLIVRAY, B.B. & GOMPERTZ, D. 463-472
- Ferritin, effect of chelating agents on cellular synthesis of WHITE, G.P., BAILEY-WOOD, R. & JACOBS, A. 145-152
- Fistulae, arteriovenous, measurement by venous occlusion plethysmography of blood flow in, surgically created in the human forearm WALLACE, W.F.M. & JAMISON, J.P. 43-49
- Fistulae, arteriovenous, pattern of venous drainage of, surgically created in the human forearm JAMISON, J.P. & WALLACE, W.F.M. 37-41
- [¹⁸F]Fluoride, use of, in clinical measurement of skeletal blood flow WOOTTON, R., REEVE, J. & VEALL, N. 261-268
- Folate polyglutamates, synthesis of, in human cells HOFFBRAND, A.V., TRIPP, E. & LAVOIE, A. 61-68
- Folinic acid, synthesis of folate polyglutamates from, in human cells HOFFBRAND, A.V., TRIPP, E. & LAVOIE, A. 61-68
- Galactose, absorption of, by the rat small intestine *in vivo* BATT, R.M. & PETERS, T.J. 499-509
- Galactose, effect of prednisolone on absorption of, by the small intestinal mucosa in the rat BATT, R.M. & PETERS, T.J. 511-523
- Gastrin, integrated responses to, in two groups of duodenal ulcer patients BYRNES, D.J., SHIU KUM LAM & SIRCUS, W. 375-383
- Glucagon, effect of, on concentrations of adenosine 3':5'-monophosphate and guanosine 3':5'-monophosphate in human plasma SIDDELL, K., DAVIES, C.J., SHETTY, K.J. & ELKELES, R.S. 487-491
- Gluconeogenesis, effect of acidosis on lactate removal and, in the rat YUDKIN, J. & COHEN, R.D. 185-194
- Glucagon, effect of, on concentrations of adenosine 3':5'-monophosphate and guanosine 3':5'-monophosphate in human plasma SIDDELL, K., DAVIES, C.J., SHETTY, K.J. & ELKELES, R.S. 487-491
- Gluconeogenesis, effect of acidosis on lactate removal and, in the rat YUDKIN, J. & COHEN, R.D. 185-194

- Gluconeogenesis, effect of inhibition of, on ammonia production in the perfused rat kidney Ross, B.D. 493-498
- Glucose, effect of, on plasma growth hormone concentrations in Huntington's chorea PHILLIPSON, O.T. & BIRD, E.D. 551-554
- Glucose, rate of oxidation of, in adipose tissue from non-diabetic and diabetic obese human subjects HARRISON, L.C. & KING-ROACH, A.P. 171-175
- Glucose tolerance, effects of protein-energy malnutrition on WEINKOVE, C., WEINKOVE, E.A. & PIMSTONE, B.L. 153-163
- Glucose, turnover of plasma free fatty acids and, in patients on the first day after myocardial infarction NIMMO, I.A., SMITH, R.H., DOLDER, M.A. & OLIVER, M.F. 401-407
- γ -Glutamyl transpeptidase, effect of phenobarbitone on serum activity of, in normal subjects DURRINGTON, P.N., ROBERTS, C.J.C., JACKSON, L., BRANCH, R.A. & HARTOG, M. 349-353
- Growth hormone, plasma concentrations of, in Huntington's chorea PHILLIPSON, O.T. & BIRD, E.D. 551-554
- Growth hormone, secretion of, in acid-base alterations at rest and during exercise SUTTON, J.R., JONES, N.L. & TOEWS, C.J. 241-247
- Guanosine 3':5'-monophosphate, effect of insulin on concentration of, in human plasma SIDDELE, K., DAVIES, C.J., SHETTY, K.J. & ELKELES, R.S. 487-491
- Haemochromatosis, acid hydrolase activities and lysosomal integrity in liver biopsies from patients with PETERS, T.J. & SEYMOUR, C.A. 75-78
- Haemodialysis, clearance of sodium diatrizoate by ACKRILL, P., MCINTOSH, C.S., NIMMON, C., BAKER, L.R.I. & CATTELL, W.R. 69-74
- Halothane, effects of, on pulmonary inactivation of noradrenaline and prostaglandin E₂ in anaesthetized dogs BAKHLE, Y.S. & BLOCK, A.J. 87-90
- Huntington's chorea, plasma growth hormone concentrations in patients with PHILLIPSON, O.T. & BIRD, E.D. 551-554
- Hydrogen ion, concentration of, in human leucocytes in response to acid-base changes LEVIN, G.E., COLLINSON, P. & BARON, D.N. 293-299
- Hydrogen ions, effect of angiotensin on renal excretion of, in rabbits HEALY, J.K. & ELLIOTT, A.J. 91-102
- Hydrogen, method of measuring, in alveolar air in carbohydrate malabsorption by end-expiratory sampling METZ, G., GASSULL, M.A., LEEDS, A.R., BLENDIS, L.M. & JENKINS, D.J.A. 237-240
- Hydrolase, acid, activity of, and lysosomal integrity in liver biopsies from patients with iron overload PETERS, T.J. & SEYMOUR, C.A. 75-78
- Hydroxylysyl glycosides, urinary excretion of, during acute inflammation in the rat ASKENASI, R., LE LOUS, M., BAZIN, S. & RAO, V.H. 195-197
- Hypertension, effect of calcium or parathyroid hormone in man on plasma renin activity in relation to EPSTEIN, S., SAGEL, J., BRODOVCKY, J., TUFF, S. & EALES, L. 79-81
- Hypertension, essential, permanent, pressure-volume relationship in normotensive subjects and patients with SAFAR, M.E., CHAU, N.PH., LONDON, G.M., WEISS, Y.A., SIMON, A.CH. & MILLIEZ, P.P. 207-212
- Hypertension, essential, renal haemodynamics and plasma renin in patients with PEDERSEN, E.B. & KORNERUP, H.J. 409-414
- Hypertension, experimental, relation between excretion of sodium and water and perfusion pressure in isolated rabbit kidney with reference to changes occurring in THOMPSON, J.M.A. & DICKINSON, C.J. 223-236
- Hypertension, influence of sodium intake on, in response to angiotensin II in the unanaesthetized rat SLACK, B.L. & LEDINGHAM, J.M. 285-291
- Hypertension, low-renin, effect of suppression of the renin-aldosterone system with extra sodium and mineralocorticoid on KHOKHÄR, A.M., SLATER, J.D.H., JOWETT, T.P. & PAYNE, N.N. 269-276
- Hypertension, spontaneous, plasma renin activity as a function of age in strains of rats with VINCENT, M., DUPONT, J. & SASSARD, J. 103-107

- Hypertriglyceridaemia, post-heparin plasma lipoprotein lipase and hepatic lipase in normal subjects and in patients with HUTTUNEN, J.K., EHNHOLD, C., KEKKE, M. & NIKKILÄ, E.A. 249-260
- Hypoxaemia, effect of, as drive to respiration in patients with diffuse pulmonary infiltration STOCKLEY, R.A. & LEE, K.D. 109-114
- Hypoxia, arterial oxygenation and carbon dioxide tensions in production in man of electroencephalographic changes in REBUCK, A.S., DAVIS, C., LONGMIRE, D., UPTON, A.R.M. & POWLES, A.C.P. 301-306
- Hypoxia, changes in ventilatory response to, in chronically hypoxic rats BARER, G.R., EDWARDS, C.W. & JOLLY, A.I. 311-313
- Ileostomy, urea content of effluent from GIBSON, J.A., PARK, N.J., SLADEN, G.E. & DAWSON, A.M. 51-59
- Ileum, dog, effect of ischaemia on function and structure of the mucosa of ROBINSON, J.W.L., MENGE, H., SEPÚLVEDA, F.V., COBO, F. & MIRKOVITCH, V. 115-122
- Ileum, dog, morphology and function of, after mechanical occlusion MIRKOVITCH, V., COBO, F., ROBINSON, J.W.L., MENGE, H. & GOMBA, Sz. 123-130
- Ileum, rat, absorption of galactose by, *in vivo* BATT, R.M. & PETERS, T.J. 499-509
- Ileum, rat, effect of prednisolone on the mucosa of BATT, R.M. & PETERS, T.J. 511-523
- Inflammation, acute, urinary excretion of hydroxylysyl glycosides during, in the rat ASKENASI, R., LE LOUS, M., BAZIN, S. & RAO, V.H. 195-197
- Injury, branched-chain amino acids and nitrogen excretion in man after WEDGE, J.H., DE CAMPOS, R., KERR, A., SMITH, R.F., FARRELL, R., ILLIC, V. & WILLIAMSON, D.H. 393-399
- Injury, effect of, on disappearance of insulin from blood in rats FRAYN, K.N. 385-392
- Insulin, disappearance of, from blood in normal and injured rats FRAYN, K.N. 385-392
- Insulin, effect of, on plasma growth hormone concentrations in Huntington's chorea PHILLIPSON, O.T. & BIRD, E.D. 551-554
- Insulin, effect of protein-energy malnutrition on release of WEINKOVE, C., WEINKOVE, E.A. & PIMSTONE, B.L. 153-163
- Insulin, effect of, on rate of oxidation of glucose in adipose tissue from non-diabetic and diabetic obese human subjects HARRISON, L.C. & KING-ROACH, A.P. 171-175
- Insulin, relation of clearing factor lipase activities to plasma concentrations of CRYER, A., RILEY, S.E., WILLIAMS, E.R. & ROBINSON, D.S. 213-221
- Insulin, renal handling of, in normal man FINE, A., THOMPSON, R.M., JONES, J.V., MURRAY, R.G., TWEDDLE, A. & GRAY, C.E. 435-437
- Insulin, serum, measurement of an index of muscle capillary permeability and its correlation with, in maturity-onset diabetic subjects LOWY, C., ARNOT, R.N. & FRASER, T.R. 131-138
- Interstitial fluid, effect of arginine vasopressin on volume of, in man KHOKHÄR, A.M., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N.N. 415-424
- Intestine, human, metabolism of urea in, related to dietary protein GIBSON, J.A., PARK, N.J., SLADEN, G.E. & DAWSON, A.M. 51-59
- Intestine, small, rat, absorption of galactose by, *in vivo* BATT, R.M. & PETERS, T.J. 499-509
- Intestine, small, rat, effect of prednisolone on the mucosa of BATT, R.M. & PETERS, T.J. 511-523
- Intestine, small, rat, luminal and systemic factors in the control of epithelial replacement in CLARKE, R.M. 139-144
- Iodine, radioactive (^{125}I), use of, to label lactate dehydrogenase-5 in determination of enzymic catabolism in the rabbit QURESHI, A.R. & WILKINSON, J.H. 1-14
- Iron, acid hydrolase activities and lysosomal integrity in liver biopsies from patients with overload of PETERS, T.J. & SEYMOUR, C.A. 75-78
- Iron-deficiency anaemia, *see* Anaemia
- Iron, effect of chelating agents on cellular metabolism of WHITE, G.P., BAILEY-WOOD, R. & JACOBS, A. 145-152
- Ischaemia, intestinal, effect of, on function and structure of ileal mucosa in the dog ROBINSON, J.W.L., MENGE, H., SEPÚLVEDA, F.V., COBO, F. & MIRKOVITCH, V. 115-122

- Jaundice, type I congenital non-haemolytic, *see* Crigler-Najjar syndrome
- Jejunum, analytical subcellular fractionation of rat liver and isolated enterocytes of, with special reference to separation of lysosomes, peroxisomes and mitochondria PETERS, T.J. & SHIO, H. 355-366
- Jejunum, human, biochemical and morphological studies on mucosa of, maintained in culture L'HIRONDEL, C., DOE, W.F. & PETERS, T.J. 425-429
- Jejunum, rat, absorption of galactose by, *in vivo* BATT, R.M. & PETERS, T.J. 499-509
- Jejunum, rat, effect of prednisolone on the mucosa of BATT, R.M. & PETERS, T.J. 511-523
- Ketone bodies, nitrogen excretion and blood concentrations of, after injury in man WEDGE, J.H., DE CAMPOS, R., KERR, A., SMITH, R., FARKELL, R., ILIC, V. & WILLIAMSON, D.H. 393-399
- Kidney, acute effects of respiratory and metabolic acidosis on the function of, in the dog FARBER, M.O., SZWED, J.J., DOWELL, A.R. & STRAWBRIDGE, R.A. 165-169
- Kidney, blood flow in, in normotensive and permanent essential hypertensive patients SAFAR, M.E., CHAU, N.PH., LONDON, G.M., WEISS, Y.A., SIMON, A.CH. & MILLIEZ, P.P. 207-212
- Kidney, extraction of insulin and thyroid hormones by, in normal man FINE, A., THOMPSON, R.M., JONES, J.V., MURRAY, R.G., TWEDDLE, A. & GRAY, C.E. 435-437
- Kidney, haemodynamics in, and plasma renin in patients with essential hypertension PEDERSEN, E.B. & KORNERUP, H.J. 409-414
- Kidney, rat, perfused, effect of acidosis on lactate removal by YUDKIN, J. & COHEN, R.D. 185-194
- Kidney, rat, perfused, effect of inhibition of gluconeogenesis on ammonia production in ROSS, B.D. 493-498
- Kryptopyrrole, porphyrinogenic effects of, in the rat BRODIE, M.J., GRAHAM, D.J.M., THOMPSON, G.G., MOORE, M.R. & GOLDBERG, A. 431-434
- Kryptopyrrole, urinary, occurrence of, in human hereditary hepatic porphyria BRODIE, M.J., GRAHAM, D.J.M., THOMPSON, G.G., MOORE, M.R. & GOLDBERG, A. 431-434
- Lactate dehydrogenase-5, fate of, in the circulation of the rabbit QURESHI, A.R. & WILKINSON, J.H. 1-14
- Lactate, effect of acidosis on removal of, by the perfused rat kidney YUDKIN, J. & COHEN, R.D. 185-194
- Lactate, renal excretion of, in metabolic acidosis in the rat YUDKIN, J., COHEN, R.D. & SLACK, B. 177-184
- Leucocytes, human, intracellular pH of, in response to acid-base changes LEVIN, G.E., COLLINSON, P. & BARON, D.N. 293-299
- Lipase, hormone-sensitive, activities of lipoprotein lipase and, in human subcutaneous lipomas and normal subcutaneous adipose tissue GIUDICELLI, Y., PECQUERY, R., AGLI, B., JAMIN, C. & QUEVAUVILLIERS, J. 315-318
- Lipase, plasma, post-heparin, hepatic lipase and, in normal subjects and in patients with hypertriglyceridaemia HUTTUNEN, J.K., EHNLÖM, C., KEKKI, M. & NIKKILÄ, E.A. 249-260
- Lipoma, subcutaneous, human, lipoprotein lipase and hormone-sensitive lipase activities in, and comparison with normal subcutaneous adipose tissue GIUDICELLI, Y., PECQUERY, R., AGLI, B., JAMIN, C. & QUEVAUVILLIERS, J. 315-318
- Lipoproteins, effect of phenobarbitone on, of plasma in normal subjects DURRINGTON, P.N., ROBERTS, C.J.C., JACKSON, L., BRANCH, R.A. & HARTOG, M. 349-353
- Lipoprotein lipase, activities of hormone-sensitive lipase and, in human subcutaneous lipomas and normal subcutaneous adipose tissue GIUDICELLI, Y., PECQUERY, R., AGLI, B., JAMIN, C. & QUEVAUVILLIERS, J. 313-318
- Lipoprotein lipase, effect of nutritional status on the activity of, in the rat CRYER, A., RILEY, S.E., WILLIAMS, E.R. & ROBINSON, D.S. 213-221
- Lipoprotein lipase, post-heparin, hepatic lipase and, in normal subjects and in patients with hypertriglyceridaemia HUTTUNEN, J.K., EHNLÖM, C., KEKKI, M. & NIKKILÄ, E.A. 249-260
- Liver, effect in dogs of chronic bile-duct ligation on function of SHASHA, S.M., BETTER, O.S., CHAIMOVITZ, C., DOMAN, J. & KISHON, Y. 533-537

- Liver, effect of failure of, on the cerebral circulatory and metabolic responses to hypoxia in the goat STANLEY, N.N. & CHERNIACK, N.S. 15-23
- Liver, effect of failure of, on the ventilatory response to hypoxia in man and the goat STANLEY, N.N., KELSEN, S.G. & CHERNIACK, N.S. 25-35
- Liver, rat, analytical subcellular fractionation of, and isolated jejunal enterocytes with special reference to separation of lysosomes, peroxisomes and mitochondria PETERS, T.J. & SHIO, H. 355-366
- Liver, rat, isolated, release of colony-stimulating activity during perfusion of HOWELL, A., COOKSLEY, W.G.E. & DANPURE, C.J. 539-544
- Lung, effect of anaesthesia of airway on mechanics of, in dog and man CROSS, B.A., GUZ, A., JAIN, S.K., ARCHER, S., STEVENS, J. & REYNOLDS, F. 439-454
- Lymphocytes, human, synthesis of folate polyglutamates in HOFFBRAND, A.V., TRIPP, E. & LAVOIE, A. 61-68
- Lysosomes, acid hydrolase activities and integrity of, in liver biopsies from patients with iron overload PETERS, T.J. & SEYMOUR, C.A. 75-78
- Lysosomes, analytical subcellular fractionation of rat liver and isolated jejunal enterocytes with special reference to separation of PETERS, T.J. & SHIO, H. 355-366
- Mercaptopicolinate, effect of inhibition of gluconeogenesis with, on ammonia production in the perfused rat kidney ROSS, B.D. 493-498
- Metabolic acidosis, *see* Acidosis, metabolic
- Metabolism, five-carbon-atom fatty acids and inborn errors of TEYCHENNE, P.F., WALTERS, I., CALVERIA, L.E., CALNE, D.B., PRICE, J., MACGILLIVRAY, B.B. & GOMPERTZ, D. 463-472
- Methotrexate, effects of, on synthesis of folate polyglutamates in human cells HOFFBRAND, A.V., TRIPP, E. & LAVOIE, A. 61-68
- Mineralocorticoid, effect of suppression of the renin-aldosterone system by extra sodium and, in normal and hypertensive men KHOKHÄR, A.M., SLATER, J.D.H., JOWETT, T.P. & PAYNE, N.N. 269-276
- Mitochondria, analytical subcellular fractionation of rat liver and isolated jejunal enterocytes with special reference to separation of PETERS, T.J. & SHIO, H. 355-366
- Mitosis, colchicine blockade of, in measurement of cell production rate in rat intestinal epithelium CLARKE, R.M. 139-144
- Monoamine oxidase, properties of, from human platelets in iron-deficiency anaemia YOUSDIM, M.B.H., GRAHAME-SMITH, D.G. & WOODS, H.F. 479-485
- Morphometric analysis, effect of ischaemia on function and structure of dog ileal mucosa assessed by ROBINSON, J.W.L., MENGE, H., SEPÜLVEDA, F.V., COBO, F. & MIRKOVITCH, V. 115-122
- Mucosa, intestinal, changes in morphology and function of, after mechanical occlusion of the dog ileum MIRKOVITCH, V., COBO, F., ROBINSON, J.W.L., MENGE, H. & GOMBA, Sz. 123-130
- Mucosa, small intestine, rat, luminal and systemic factors in the control of epithelial replacement in CLARKE, R.M. 139-144
- Muscle, distribution of [^{14}C]cholesterol in, of Rhesus monkeys after intravenous injection MOUTAFIS, C.D. & MYANT, N.B. 307-310
- Myocardial infarction, turnover of plasma glucose and free fatty acids in patients on the first day after NIMMO, I.A., SMITH, R.H., DODDER, M.A. & OLIVER, M.F. 401-407
- Nephrectomy, effect of, on disappearance of insulin from blood in normal and injured rats FRAYN, K.N. 385-392
- Nitrogen, excretion of, and branched-chain amino acids after injury in man WEDGE, J.H., DE CAMPOS, R., KERR, A., SMITH, R., FARRELL, R., ILIC, V. & WILLIAMSON, D.H. 393-399
- Noradrenaline, effects of halothane on pulmonary inactivation of, in anaesthetized dogs BAKHLE, Y.S. & BLOCK, A.J. 87-90
- Oxygen, arterial, carbon dioxide tensions and production of electroencephalographic changes in man with decrease in REBUCK, A.S., DAVIS, C., LONGMIRE, D., UPTON, A.R.M. & POWLES, A.C.P. 301-306

- Oxygen breath tests, response of ventilation to, in patients with diffuse pulmonary infiltration STOCKLEY, R.A. & LEE, K.D. 109-114
- Paget's disease, skeletal blood flow in patients with WOOTTON, R., REEVE, J. & VEALL, N. 261-268
- Parathyroid hormone, absence of an acute effect of administration of, or calcium on plasma renin activity in man EPSTEIN, S., SAGEL, J., BRODOVCKY, J., TUFF, S. & EALES, L. 79-81
- Parathyroid hormone, effect of diphosphonates on adenosine 3':5'-monophosphate in mouse calvaria *in vitro* after stimulation by GEBAUER, U., RUSSELL, R.G.G., TOUABI, M. & FLEISCH, H. 473-478
- Pentagastrin, effect of, on acid output in two groups of duodenal ulcer patients BYRNES, D.J., SHIU KUM LAM & SIRCUS, W. 375-383
- Peritoneal dialysis, clearance of sodium diatrizoate by ACKRILL, P., MCINTOSH, C.S., NIMMON, C., BAKER, L.R.I. & CATTELL, W.R. 69-74
- Peroxisomes, analytical subcellular fractionation of rat liver and isolated jejunal enterocytes with special reference to separation of PETERS, T.J. & SHIO, H. 355-366
- Phenobarbitone, effect of, on plasma lipids in normal subjects DURRINGTON, P.N., ROBERTS, C.J.C., JACKSON, L., BRANCH, R.A. & HARTOG, M. 349-353
- Phlebotomy, effect of, on turnover and clearance of bilirubin and unconjugated hyperbilirubinaemia in the Crigler-Najjar syndrome and the jaundiced Gunn rat BERK, P.D., SCHARSCHMIDT, B.F., WAGGONER, J.G. & WHITE, S.C. 333-348
- Plasma, effect of arginine vasopressin on volume of, in man KHOKHÄR, A.M., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N.N. 415-424
- Plasma, potassium in, and erythrocytes of healthy and diabetic subjects BODDY, K., HUME, R., WHITE, C., PACK, A., KING, P.C., WEYERS, E., ROWAN, T. & MILLS, E. 455-461
- Plasma renin activity, absence of an acute effect in man of administration of calcium or parathyroid hormone on EPSTEIN, S., SAGEL, J., BRODOVCKY, J., TUFF, S. & EALES, L. 79-81
- Plasma renin activity, age and, in strains of spontaneously hypertensive and normotensive rats VINCENT, M., DUPONG, J. & SASSARD, J. 103-107
- Platelets, human, properties of monoamine oxidase from, in iron-deficiency anaemia YOUSDIM, M.B.H., GRAHAME-SMITH, D.G. & WOODS, H.F. 479-485
- Polyuria, development of antibody to vasopressin in patient with BISSET, G.W., BLACK, A., HILTON, P.J., JONES, N.F. & MONTGOMERY, M. 277-283
- Porphyria, hepatic, hereditary, human, occurrence of urinary kryptopyrrole in BRODIE, M.J., GRAHAM, D.J.M., THOMPSON, G.G., MOORE, M.R. & GOLDBERG, A. 431-434
- Porphyrins, effect of kryptopyrrole on excretion of, in the rat BRODIE, M.J., GRAHAM, D.J.M., THOMPSON, G.G., MOORE, M.R. & GOLDBERG, A. 431-434
- Post-heparin plasma lipoprotein lipase, *see* Lipoprotein lipase
- Potassium, relation between, in body fluids and total body potassium in healthy and diabetic subjects BODDY, K., HUME, R., WHITE, C., PACK, A., KING, P.C., WEYERS, E., ROWAN, T. & MILLS, E. 455-461
- Prednisolone, effect of, on the small intestinal mucosa in the rat BATT, R.M. & PETERS, T.J. 511-523
- Pressure, blood, relation of blood volume to, in normotensive and permanent essential hypertensive patients SAFAR, M.E., CHAU, N.PH., LONDON, G.M., WEISS, Y.A., SIMON, A.CH. & MILLIEZ, P.P. 207-212
- Prostaglandin E₂, effects of halothane on pulmonary inactivation of, in anaesthetized dogs BAKHLE, Y.S. & BLOCK, A.J. 87-90
- Protein-energy malnutrition, effect of, on glucose tolerance and insulin release in rats WEINKOVE, C., WEINKOVE, E.A. & PIMSTONE, B.L. 153-163
- Protein, metabolism of, and amino acid studied in normal man with L-[U-¹⁴C]tyrosine JAMES, W.P.T., GARLICK, P.J., SENDER, P.M. & WATERLOW, J.C. 525-532
- Protein, synthesis of, in human jejunal mucosa maintained in culture L'HIRONDÉL, C., DOE, W.F. & PETERS, T.J. 425-429
- Pulmonary circulation, inactivation of noradrenaline and prostaglandin E₂ in, of anaesthetized dogs BAKHLE, Y.S. & BLOCK, A.J. 87-90

- Pulmonary infiltration, diffuse, estimation of resting reflex hypoxic drive to respiration in patients with STOCKLEY, R.A. & LEE, K.D. 109-114
- Regression lines and correlations (Correspondence) NICHOLSON, J.P. 319-320
- Renin-aldosterone system, suppression of, in mild essential hypertension KHOKHÄR, A.M., SLATER, J.D.H., JOWETT, T.P. & PAYNE, N.N. 269-276
- Renin, effect of arginine vasopressin on plasma volume and release of, in man KHOKHÄR, A.M., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N.N. 415-424
- Renin, plasma, renal haemodynamics and, in patients with essential hypertension PEDERSEN, E.B. & KORNERUP, H.J. 409-414
- Respiration, changes in, in severe metabolic acidosis FULOP, M. 367-373
- Respiration, effect of liver failure on the response of, to hypoxia in man and the goat STANLEY, N.N., KELSEN, S.G. & CHERNIACK, N.S. 25-35
- Respiratory acidosis, *see* Acidosis, respiratory
- Respiratory drive, estimation of, at rest in hypoxic patients with diffuse pulmonary infiltration STOCKLEY, R.A. & LEE, K.D. 109-114
- Respiratory failure, assessment of responsiveness to carbon dioxide in patients in, by rate of isometric inspiratory pressure development MATTHEWS, A.W. & HOWELL, J.B.L. 199-205
- Scald injury, effect of, on disappearance of insulin from blood in rats FRAYN, K.N. 385-392
- Skin, distribution of [^{14}C]cholesterol in, of Rhesus monkeys after intravenous injection MOUTAFIS, C.D. & MYANT, N.B. 307-310
- Sodium, effect of active immunization against aldosterone on the excretion of, in rabbits LENNANE, R.J., STOCKIGT, J. & PEART, W.S. 545-549
- Sodium, effect of suppression of the renin-aldosterone system by extra mineralocorticoid and, in normal and hypertensive men KHOKHÄR, A.M., SLATER, J.D.H., JOWETT, T.P. & PAYNE, N.N. 269-276
- Sodium, influence of intake of, on the pressor response to angiotensin II in the unanaesthetized rat SLACK, B.L. & LEDINGHAM, J.M. 285-291
- Sodium, relation between excretion of, and perfusion pressure in isolated, blood-perfused, rabbit kidney THOMPSON, J.M.A. & DICKINSON, C.J. 223-236
- Sodium, retention of, in dogs with chronic bile-duct ligation SHASHA, S.M., BETTER, O.S., CHAIMOVITZ, C., DOMAN, J. & KISHON, Y. 533-537
- Stop-flow techniques, effect of angiotensin on renal electrolyte transport and acid excretion in the rabbit studied by HEALY, J.K. & ELLIOTT, A.J. 91-102
- Sympathetic nerves, renal, effect of, on sodium excretion in clip-hypertension THOMPSON, J.M.A. & DICKINSON, C.J. 223-236
- Tetanus, ventilatory response to carbon dioxide in ELEGBELEYE, O.O. & FEMI-PEARSE, D. 83-86
- Thermography, infrared, measurement of human forearm skin temperature by, in studies of venous blood flow JAMISON, J.P. & WALLACE, W.F.M. 37-41
- Thrombocytes, human, properties of monoamine oxidase from, in iron-deficiency anaemia YOUSIM, M.B.H., GRAHAME-SMITH, D.G. & WOODS, H.F. 479-485
- Thyroid hormones, renal handling of, in normal man FINE, A., THOMPSON, R.M., JONES, J.V., MURRAY, R.G., TWEDDLE, A. & GRAY, C.E. 435-437
- Thyroxine, rat hepatic sodium plus potassium ion-dependent adenosine triphosphatase after treatment with LINDSAY, R. & PARKER, J.L.W. 329-332
- Tissue culture, technique for study of human jejunal mucosa in L'HIRONDEL, C., DOB, W.F. & PETERS, T.J. 425-429
- Tolbutamide, effect of, on release of insulin in malnourished rats WEINKOVE, C., WEINKOVE, E.A. & PIMSTONE, B.L. 153-163

- Transport, intestinal, effect of mechanical occlusion of dog ileum on MIRKOVITCH, V., COBO, F., ROBINSON, J.W.L., MENGE, H. & GOMBA, Sz. 123-130
- Triglyceride, correlations of post-heparin plasma lipoprotein lipase and hepatic lipase activities in normal subjects and in patients with hypertriglyceridaemia with variables of metabolism of HUTTUNEN, J.K., EHNHOLM, C., KEKKI, M. & NIKKILÄ, E.A. 249-260
- Triglycerides, effect of phenobarbitone on, of plasma in normal subjects DURRINGTON, P.N., ROBERTS, C.J.C., JACKSON, L., BRANCH, R.A. & HARTOG, M. 349-353
- Triglyceride, relation of clearing factor lipase activities to uptake of fatty acids of, by fat-cells in the rat CRYER, A., RILEY, S.E., WILLIAMS, E.R. & ROBINSON, D.S. 213-221
- Turnover rate, study of, of plasma glucose and free fatty acids in patients on the first day after myocardial infarction NIMMO, I.A., SMITH, R.H., DOLDER, M.A. & OLIVER, M.F. 401-407
- [¹⁴C]Tyrosine, studies of amino acid and protein metabolism in normal man with JAMES, W.P.T., GARLICK, P.J., SENDER, P.M. & WATERLOW, J.C. 525-532
- Urea, role of colon in metabolism of, in man GIBSON, J.A., PARK, N.J., SLADEN, G.E. & DAWSON, A.M. 51-59
- Urography, comparison of clearance of sodium diatrizoate by peritoneal dialysis and haemodialysis for use in ACKRILL, P., MCINTOSH, C.S., NIMMON, C., BAKER, L.R.I. & CATTELL, W.R. 69-74
- Vasopressin, effect of, on plasma volume and renin release in man KHOKHÄR, A.M., SLATER, J.D.H., FORSLING, M.L. & PAYNE, N.N. 415-424
- Vasopressin, polyuria associated with antibody to BISSET, G.W., BLACK, A., HILTON, P.J., JONES, N.F. & MONTGOMERY, M. 277-283
- Veins, blood flow in, of human forearm with surgically created side-to-side arteriovenous fistulae JAMISON, J.P. & WALLACE, W.F.M. 37-41
- Venous occlusion plethysmography, measurement of blood flow through surgically created arteriovenous fistulae in the human forearm by WALLACE, W.F.M. & JAMISON, J.P. 43-49
- Ventilation, changes in, in severe metabolic acidosis FULOP, M. 367-373
- Ventilation, changes in response of, to hypoxia in chronically hypoxic rats BARER, G.R., EDWARDS, C.W. & JOLLY, A.I. 311-313
- Ventilation, effect of liver failure on, in response to hypoxia in man and the goat STANLEY, N.N., KELSEN, S.G. & CHERNIACK, N.S. 25-35
- Ventilation, response of, to carbon dioxide in patients with tetanus ELEGBELEYE, O.O. & FEMI-PEARSE, D. 83-86
- Ventilation, response of, to oxygen breath tests in patients with diffuse pulmonary infiltration STOCKLEY, R.A. & LEE, K.D. 109-114
- Volume, blood, relation of blood pressure to, in normotensive and permanent essential hypertensive patients SAFAR, M.E., CHAU, N.PH., LONDON, G.M., WEISS, Y.A., SIMON, A.CH. & MILLIEZ, P.P. 207-212
- Water, relation between excretion of, and perfusion pressure in isolated, blood-perfused, rabbit kidney THOMPSON, J.M.A. & DICKINSON, C.J. 223-236
- Xenon, radioactive (¹³³Xe), clearance of, as index of muscle capillary permeability LOWY, C., ARNOT, R.N. & FRASER, T.R. 131-138