AUTHOR INDEX

ABRAMS, M.E., see Love, A.H.G. et al.
ADNITT, P.I., see Frayn, K.N. et al.
AITKEN, J.M., LINDSAY, R. & HART, D. McKay. Plasma zinc in pre- and post-menopausal women: its relationship to oestrogen therapy 91
ASTIN, T.W., see Pride, N.B. & Astin, T.W.

Baker, L.R.I., see Grant, Anne M.S. et al.
Baker, Patricia G.B. & Mottram, R.F. Metabolism of exercising and resting human skeletal muscle, in the post-prandial and fasting states 479
Bar-Khayim, Y., see Cohen, J.J. et al.
Baron, D.N., see Levin, G.E. et al.
Bennett, B., see Ogston, D. et al.
Bird, D.L., see Gresson, C.R. et al.
Boddy, K., see also Burkinshaw, L. et al.
Bordier, PH.J., Tun Chot, S., Eastwood, J.B., Fournier, A. & de Wardener, H.E. Lack of histological evidence of vitamin D abnormality in the bones of anephric patients 33
Boyd, A.E., see Kotchen, T.A. et al.
Brown, J.J., see Khayyall, M. et al.
Burkinshaw, L., Cotes, J.E., Boddy, K., King, Priscilla C., Womersley, J. & Durnin, J.V.G.A. Body potassium and fat-free mass 621
Cerasi, E., see Wahren, J. et al.
Chakravarti, R.N., see Nair, C.R. et al.
Chazan, J.A., see Cohen, J.J. et al.
Chhuttani, P.N., see Nair, C.R. et al.
Chukwumeeka, A.C., see Davies, C.T.M. et al.
Collier, J.G., see Robinson, B.F. et al.
Cook, G.C. Comparison of absorption rates of glucose and maltose in man in vivo 425
Cooke, N.J., see King, A.J. et al.
Cotes, J.E., see Burkinshaw, L. et al.
Cowger, M.L., see Nicholson, D.C. et al.
Crampton, R.F., Lis, Maria T. & Matthews, D.M. Sites of maximal absorption and hydrolysis of two dipeptides by rat small intestine in vivo 583
Author index

CUSWORTH, D.C., see Lester, Frances T. & Cusworth, D.C.

DATTA, D.V., see Nair, C.R. et al.


DELLER, D.J., see Gollan, J.L. & Deller, D.J.

DEODHAR, S.D., see Kremer, D. et al.

DEPPE, W.M., see Taljaard, J.J.F. et al.

DE WARDENER, H.E., see Bordier, Ph.J. et al.

DICK, W.C., see Kremer, D. et al.

DOUGLAS, A.S., see Ogston, D. et al.

DOWNEY, J.A. & FREWIN, D.B. The effect of cold on blood flow in the hand of patients with Raynaud's phenomenon

DOYLE, A.E., see Geffen, L.B. et al.

DURNIN, J.V.G.A., see Burkinshaw, L. et al.

DUSTAN, HARRIET P., see Tarazi, R.C. & Dustan, Harriet P.

EASTWOOD, J.B., see Bordier, Ph.J. et al.

ECCLESTON, J.F., see Ellis, D.A. et al.

ELLIS, D.A., STRICKLAND, JENNIFER M. & ECCLESTON, J.F. The direct interconversion of glucose and fructose in human skeletal muscle with special reference to childhood muscular dystrophy

ESLER, M.D. & NESTEL, P.J. Sympathetic responsiveness to head-up tilt in essential hypertension

FAREBROTHER, M.J.B., PAREDES MARTINEZ, R., SOEJIMA, R. & MCHARDY, G.J.R. The point of onset of 'airway closure' measured with argon and nitrogen: a comparison of results obtained by two methods

FEHLING, C., JÄGERSTAD, MARGARETHA, LINDBRAND, K. & WESTESSON, ANNA-KERSTIN. The effect of anticonvulsant therapy upon the absorption of folates

FELIG, P., see Wahren, J. et al.

FERRARIO, C.M., see Gildenberg, P.L. et al.

FLENLEY, D.C., see King, A.J. et al.

FLOYER, M.A., see Lucas, J. & Floyer, M.A.

FOGELMAN, F., see Tobert, J.A. et al.

FOURNIER, A., see Bordier, Ph.J. et al.

FOX, R.H., SOLMAN, A.J., ISAACS, R., FRY, A.J. & MACDONALD, I.C. A new method for monitoring deep body temperature from the skin surface

FRANCIS, M.J.O., SMITH, R. & MACMILLAN, D.C. Polymeric collagen of skin in normal subjects and in patients with inherited connective tissue disorders

FRASER, PATRICIA M., see Levin, G.E. et al.


FREWIN, D.B., see Downey, J.A. & Frewin, D.B.
Author index

FRY, A.J., see Fox, R.H. et al.
FUKUCHI, S., TAKEUCHI, T. & TORIKAI, T. Determination of plasma renin activity by radioimmunoassay of angiotensin I 43

GARELLA, S., see Cohen, J.J. et al.

GEFFEN, L.B., RUSH, R.A., LOUIS, W.J. & DOYLE, A.E. Plasma catecholamine and dopamine β-hydroxylase amounts in phaeochromocytoma 421
GEFFEN, L.B., RUSH, R.A., LOUIS, W.J. & DOYLE, A.E. Plasma dopamine β-hydroxylase and noradrenaline amounts in essential hypertension 617
GIBBS, DOROTHY A. & WATTS, R.W.E. The identification of the enzymes that catalyse the oxidation of glyoxylate to oxalate in the 100 000 g supernatant fraction of human hyperoxaluric and control liver and heart tissue 227
GILDENBERG, P.L., FERRARIO, C.M. & MCCUBBIN, J.W. Two sites of cardiovascular action of angiotensin II in the brain of the dog 417
GOLLAN, J.L. & DELLER, D.J. Studies on the nature and excretion of biliary copper in man 9

GOUGH, G., see Wharton, B.A. et al.

GRAY, C.H., see Nicholson, D.C. et al.
GREENBERG, P.B., see Martin, T.J. et al.

GRANT, ANNE M.S., BAKER, L.R.I. & NEUBERGER, A. Urinary Tamm–Horsfall glycoprotein in certain kidney diseases and its content in renal and bladder calculi 377
GRANT, ANNE M.S. & NEUBERGER, A. The development of a radioimmunoassay for the measurement of urinary Tamm–Horsfall glycoprotein in the presence of sodium dodecyl sulphate 163

HARRISON, B.D.W. Polycythaemia in a selected group of patients with chronic airways obstruction 563

HART, D. MCKAY, see Aitken, J.M. et al.

HASLEWOOD, G.A.D., MURPHY, G.M. & RICHARDSON, JUDITH M. A direct enzymic assay for 7α-hydroxy bile acids and their conjugates 95

HENDLER, ROSA, see Wahren, J. et al.
HERBERT, ROBYN J., see Ogston, D. et al.
HILL, L.F., LUMB, G.A., MAWER, E.B. & STANBURY, S.W. Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate 335
HILTON, P.J. & PATRICK, J. Sodium and potassium flux rates in normal human leucocytes in an artificial extracellular fluid 439
HILTON, P.J., see also Patrick, J.
Author index

HOFBAUER, K.G., ZSCHIEDRICH, H., RAUH, W. & GROSS, F. Conversion of angiotensin I into angiotensin II in the isolated perfused rat kidney 447

HOGAN, R.P., see Kotchen, T.A. et al.

IBSEN, H. & SEDERBERG-OLSEN, P. Changes in glomerular filtration rate during long-term treatment with propranolol in patients with arterial hypertension 129

ISAACS, R., see FOX, R.H. et al.

JÄGERSTAD, MARGARETHA, see Fehling, C. et al.

JAIN, S.K., TRENCHARD, DIANA, REYNOLDS, FELICITY, NOBLE, M.I.M. & GUZ, A. The effect of local anaesthesia of the airway on respiratory reflexes in the rabbit 519

JOHNSON, R.H. & PARK, D.M. Effect of change of posture on blood pressure and plasma renin concentration in men with spinal transections 539

JOHNSON, R.H. & RENNIE, M.J. Changes in fat and carbohydrate metabolism caused by moderate exercise in patients with acromegaly 63

JOPLIN, G.F., see Galante, L. et al.

JOUBERT, S.M., see Taljaard, J.J.F. et al.

KALIVAS, J., see Nicholson, D.C. et al.

KARIM, S.M.M., see Robinson, B.F. et al.

KARLSSON, J., see Kiessling, K.-H. et al.


KIESSLING, K.-H., PILSTRÖM, L., KARLSSON, J. & PIEHL, KARIN. Mitochondrial volume in skeletal muscle from young and old physically untrained and trained healthy men and from alcoholics 547


KING, PRISCILLA C., see Boddy, K. et al.; see also Burkinshaw, L. et al.


KREMER, D., DEODHAR, S.D. & DICK, W.C. A function of synovial membrane of normal and diseased humans in relation to movement of small-molecular-weight ions 611

KURTZ, A.B., see Tobert, J.A. et al.

LAWSON, D.H., see Boddy, K. et al.

LECKIE, BRENDA. The activation of a possible zymogen of renin in rabbit kidney 301

LEITCH, A.G., see King, A.J. et al.

LE ROITH, D. & PIMSTONE, B.L. Bone metabolism and composition in the protein-deprived rat 305

LESTER, FRANCES T. & CUSWORTH, D.C. Lysine infusion in cystinuria: theoretical renal thresholds for lysine 99

LEVER, A.F., see Khayyall, M. et al.

LEVIN, G.E., McPHERSON, C.K., FRASER, PATRICIA M. & BARON, D.N. Long-term
variation in plasma activities of aspartate transaminase and alkaline phosphatase in health

LEWIS, D.G. & STODDART, J.C. Alternative measurements of the metabolic component of the acid–base status in acute clinical situations 185

LI, T.-K., see Kotchen, T.A. et al.

LIGHTMAN, S.L., see Tobert, J.A. et al.

LINDSAY, R., see Aitken, J.M. et al.

LINDSAY, R.M., see Slater, S.D. et al.

LINDSTRAND, K., see Fehling, C. et al.

LINTON, A.L., see Boddy, K. et al.

LIS, MARIA T., see Crampton, R.F. et al.

LOUIS, W.J., see Geffen, L.B. et al.

LOVE, A.H.G., ROHDE, J.E., ABRAMS, M.E. & VEALL, N. The measurement of bidirectional sodium fluxes across the intestinal wall in man using whole gut perfusion 267

LUCAS, J. & FLOYER, M.A. Renal control of changes in the compliance of the interstitial space: a factor in the aetiology of renoprival hypertension 397

LUFT, R., see Wahren, J. et al.

LUMB, G.A., see Hill, L.F. et al.

MACDONALD, I.C., see Fox, R.H. et al.

MAGGREGOR, J., see Khayyall, M. et al.

MACINTYRE, I., see Galante, L. et al.

MACMILLAN, D.C., see Francis, M.J.O. et al.

MANN, J.I., WATERMEYER, G.S., MANNING, E.B., RANDLES, J. & TRUSWELL, A.S. Effects on serum lipids of different dietary fats associated with a high sucrose diet 601

MANNING, E.B., see Mann, J.I. et al.

MARTIN, T.J., GREENBERG, P.B. & MICHELANGELI, V. Synthesis of human parathyroid hormone by cultured cells: evidence for release of prohormone by some adenomata 1

MASON, J.W., see Kotchen, T.A. et al.

MATTHEWS, D.M., see Crampton, R.F. et al.

MAWER, E.B., see Hill, L.F. et al.

MCCUBBIN, J.W., see Gildenberg, P.L. et al.

MCHardy, G.J.R., see Farebrother, M.J.B. et al.

MCPherson, C.K., see Levin, G.E. et al.

MICHELANGELI, V., see Martin, T.J. et al.

MILLER, G.J., SERJEANT, G.R., SIVAPRAGASAM, S. & PETCH, M.C. Cardio-pulmonary responses and gas exchange during exercise in adults with homozygous sickle-cell disease (sickle-cell anaemia) 113

MOTTRAM, R.F. Forearm blood flow during and after isometric hand-grip contractions 467

MOTTRAM, R.F., see Baker, Patricia G.B. & Mottram, R.F.

MURPHY, G.M., see Haslewood, G.A.D. et al.

NAIR, C.R., SAHA, S., CHAKRAVARTI, R.N., CHHUTTANI, P.N. & DATTA, D.V. Acute alcoholic fatty liver in the Rhesus monkey 505
NESTEL, P.J., see Esler, M.D. & Nestel, P.J.
NEUBERGER, A., see Grant, Anne M.S. & Neuberger, A.; see also Grant, Anne M.S. et al.
Isotopic studies of the erythropoietic and hepatic components of congenital porphyria and 'erythropoietic' protoporphyria
NOBLE, M.I.M., see Jain, S.K. et al.
OGSTON, D., BENNETT, B., HERBERT, ROBYN J. & DOUGLAS, A.S. The inhibition of urokinase by alpha2-macroglobulin
PAREDES MARTINEZ, R., see Farebrother, M.J.B. et al.
PARK, D.M., see Johnson, R.H. & Park, D.M.
PATRICK, J. & HILTON, P.J. The response of the human leucocyte to alterations in extracellular osmolality
PATRICK, J., see also Hilton, P.J. & Patrick, J.
PAYNE, N.N., see Tobert, J.A. et al.
PENNOCK, C.A., see Wharton, B.A. et al.
PETCH, M.C., see Miller, G.J. et al.
PIEHL, KARIN, see Kiessling, K.-H. et al.
PILSTRÖM, L., see Kiessling, K.-H. et al.
PIMSTONE, B.L., see le Roith, D. & Pimstone, B.L.
PRIDE, N.B. & ASTIN, T.W. Bronchial sympathetic activity in chronic bronchitis
RAHMAN, M., see Slater, S.D. et al.
RANLDLES, J., see Mann, J.I. et al.
RAUH, W., see Hofbauer, K.G. et al.
RENNIE, M.J., see Johnson, R.H. & Rennie, M.J.
REYNOLDS, FELICITY, see Jain, S.K. et al.
RICHARDSON, JUDITH M., see Haslewood, G.A.D. et al.
ROBERTSON, J.I.S., see Khayyall, M. et al.
ROBINSON, B.F., COLLIER, J.G., KARIM, S.M.M. & SOMERS, K. Effect of prostaglandins $\text{A}_1$, $\text{A}_2$, $\text{B}_1$, $\text{E}_2$ and $\text{F}_2\alpha$ on forearm arterial bed and superficial hand veins in man
ROHDE, J.E., see Love, A.H.G. et al.
RUSH, R.A., see Geffen, L.B. et al.
SAHA, S., see Nair, C.R. et al.
SEDERBERG-OLSEN, P., see Ibsen, H. & Sederberg-Olsen, P.
SERJEANT, G.R., see Miller, G.J. et al.
SHANLEY, B.C., see Taljaard, J.J.F. et al.
SIMPSON, F.O., see Gresson, C.R. et al.
SING, HELEN C., see Kotchen, T.A. et al.
SIVAPRAGASAM, S., see Miller, G.J. et al.
SLATER, J.D.H., see Tobert, J.A. et al.
SLATER, S.D., RAHMAN, M. & LINDSAY, R.M. Renal function in chronic intravascular haemolysis associated with prosthetic cardiac valves
Author index

SMITH, A.J., see Townshend, Mary M. & Smith, A.J.

SMITH, A.P. The effects of intravenous infusion of graded doses of prostaglandins 
F₂ and E₂ on lung resistance in patients undergoing termination of pregnancy 17

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

SOEJIMA, R., see Farebrother, M.J.B. et al.

SOLMAN, A.J., see Fox, R.H. et al.

SOMERS, K., see Robinson, B.F. et al.

STANBURY, S.W., see Hill, L.F. et al.

STODDART, J.C., see Lewis, D.G. & Stoddart, J.C.

STRICKLAND, JENNIFER M., see Ellis, D.A. et al.

TAKEUCHI, T., see Fukuchi, S. et al.

TALJAARD, J.J.F., SHANLEY, B.C., JOUBERT, S.M. & DEPPE, W.M. Incorporation of 
[4-14C]δ-aminolaevulinate into urinary porphyrins in porphyria cutanea tarda: 
effect of chloroquine therapy 571

TARAZI, R.C. & DUSTAN, HARRIET P. Neurogenic participation in essential and reno-
vascular hypertension assessed by acute ganglionic blockade: correlation with 
haemodynamic indices and intravascular volume 197

THOMPSON, R.P.H., see Nicholson, D.C. et al.

TOBERT, J.A., SLATER, J.D.H., FOGELMAN, F., LIGHTMAN, S.L., KURTZ, A.B. & PAYNE, 
N.N. The effect in man of (+)-propranolol and racemic propanolol on renin 
secretion stimulated by orthostatic stress 291

TORIKAI, T., see Fukuchi, S. et al.

TOWNSHEND, MARY M. & SMITH, A.J. Factors influencing the urinary excretion of free 
catecholamines in man 253

TRENCHARD, DIANA, see Jain, S.K. et al.

TRUSWELL, A.S., see Mann, J.I. et al.

TUN CHOT, S., see Bordier, Ph.J. et al.

TURNER, P., see Frayn, K.N. et al.

VAN HAAREN, J.P.M., see Davies, C.T.M. et al.

VEALL, N., see Love, A.H.G. et al.

WAHREN, J., FELIG, P., CERASI, E., LUFT, R. & HENDLER, ROSA. Splanchnic glucose 
production and its regulation in healthy monozygotic twins of diabetics 493

WATERMEYER, G.S., see Mann, J.I. et al.

WATTS, R.W.E., see Gibbs, Dorothy A. & Watts, R.W.E.

WESTESSON, ANNA-KERSTIN, see Fehling, C. et al.

WHARTON, B.A., GOUGH, G. & PENNOCK, C.A. The relationship of height and weight 
velocities of adolescent boys to the total hydroxyproline: creatinine ratio in their 
random urines 359

WILL, G., see Boddy, K. et al.

WOMERSLEY, J., see Burkinshaw, L. et al.

WOODHOUSE, N.J.Y., see Galante, L. et al.

ZSCHIEDRICH, H., see Hofbauer, K.G. et al.
SUBJECT INDEX

Absorption of dipeptides, sites of, by rat small intestine in vivo Crampton, D.F., Lis, M.T. & Matthews, D.M. 583–594

Acid–base status, measurement of, in acute clinical situations Lewis, D.G. & Stoddart, J.C. 297–300

Acromegaly, metabolic changes after exercise in patients with Johnson, R.H. & Rennie, M.J. 63–71


Adenomata, release of human parathyroid prohormone from Martin, T.J., Greenberg, P.B. & Michelangeli, V. 1–8

Aerobic power, maximum, and response to exercise in African males with iron-deficiency anaemia Davies, C.T.M., Chukwuemeka, A.C. & Van Haaren, J.P.M. 555–562


Airway, effect of local anaesthesia of, on respiratory reflexes in the rabbit Jain, S.K., Trenchard, D., Reynolds, F., Noble, M.I.M. & Guz, A. 519–538

Airways obstruction, chronic, and polycythaemia Harrison, D.W. 563–570


Alkaline phosphatase activity, measurement of, in plasma over long periods in healthy subjects Levin, G.E., McPherson, C.K., Fraser, P.M. & Baron, D.N. 185–196


Anaemia, iron deficiency, and its effect on maximum aerobic power and responses to exercise in African males Davies, C.T.M., Chukwuemeka, A.C. & Van Haaren, J.P.M. 555–562

Anaesthesia, local, of the airway, effect of, on respiratory reflexes in the rabbit Jain, S.K., Trenchard, D., Reynolds, F., Noble, M.I.M. & Guz, A. 519–538


Angiotensin I, conversion of, into angiotensin II in the isolated perfused rat kidney Hofbauer, K.G., Zscheidrich, H., Rauh, W. & Gross, F. 447–456

Angiotensin I, radioimmunoassay of, as a measure of plasma renin activity Fukuchi, S., Takeuchi, T. & Torikai, T. 43–54


Anticonvulsant therapy, effect of, on absorption of folates Fehling, C., Jägerstad, M., Lindstrand, K. & Westesson, A.K. 595–600

x
Subject index

Arterial bed, of forearm, and superficial hand veins, effect of prostaglandins on 
ROBINSON, B.F., COLLIER, J.G., KARIM, S.M.M. & SOMERS, K. 367-376
Aspartate transaminase activity, measurement of, in plasma over long periods in healthy 
subjects LEVIN, G.E., MCPHERSON, C.K., FRASER, P.M. & BARON, D.N. 185-196

Bile, copper content, of, in man GOLLAN, J.L. & DELLER, D.J. 9-15
Bile salts, determination of, with 7α-hydroxysteroid dehydrogenase HASLEWOOD, G.A.D., 
MURPHY, G.M. & RICHARDSON, J.M. 95-98
Blood flow, forearm, during and after isometric contractions MOTTRAM, R.F. 467-478
Blood flow, in the hands of patients with Raynaud's phenomenon DOWNEY, J.A. & FREWING, 
D.B. 279-289
Blood pressure, effect of postural changes on, and plasma renin concentrations in men with 
spinal transections JOHNSON, R.H. & PARK, D.M. 539-546
Bone formation, effect of protein deprivation on intestinal and renal calcium transport, and 
collagen synthesis, in rats LE ROITH, D. & PIMSTONE, B.L. 305-319
Bone mineralization, in anephric patients BORDER, Ph.J., TUN CHOT, S., EASTWOOD, J.B., 
FOURNIER, A. & DE WARDENER, H.E. 33-41
Brain, dog, cardiovascular response of, to angiotensin II GILDENBERG, P.L., FERRARO, 
C.M. & MCCUBBIN, J.W. 417-420
Bronchitis, chronic, correspondence about bronchial sympathetic activity in PRIDE, N.B. 
& ASTIN, T.W. 517-518

Calcitonins, various, calcium lowering effects of, in patients with Paget's disease GALANTE, 
L., JOPLIN, G.F., MACINTYRE, I. & WOODHOUSE, N.J.Y. 605-610
Calcium lowering effect, of various calcitonins in patients with Paget's disease GALANTE, L., 
JOPLIN, G.F., MACINTYRE, I. & WOODHOUSE, N.J.Y. 605-610
Calcium transport, intestinal and renal, effect of protein deprivation on, and bone formation 
and collagen synthesis, in rats LE ROITH, D. & PIMSTONE, B.L. 305-319
Calculi, renal and bladder, content of Tamm-Horsfall glycoprotein in GRANT, A.M.S., 
BAKER, L.R.I. & NEUBERGER, A. 377-384
Carbon dioxide titration curves, and measurement of acid-base status in acute clinical 
situations LEWIS, D.G. & STODDART, J.C. 297-300
Cardiac valves, artificial, renal function in chronic intravascular haemolysis associated with 
SLATER, S.D., RAHMAN, M. & LINDSAY, R.M. 511-515
Cardiopulmonary responses, during exercise in adults homozygous for sickle-cell disease 
MILLER, G.J., SERJEANT, G.R., SIVAPRAGASAM, S. & PETCH, M.C. 113-128
Cardiovascular response, to angiotensin II in dog brain GILDENBERG, P.L., FERRARO, C.M. 
& MCCUBBIN, J.W. 417-420
Catecholamines, amounts of, in plasma in essential hypertension GEFFEN, L.B., RUSH, R.A., 
LOUIS, W.J. & DOYLE, A.E. 617-620
Catecholamines, diurnal rhythm of urinary excretion of, in man TOWNSEND, M.M. & 
SMITH, A.J. 253-265
Catecholamines, effect of altitude on plasma renin activity and KOTCHEN, T.A., HOGAN, 
Catecholamines, plasma, and dopamine \( \beta \)-hydroxylase amounts in phaeochromocytoma  

Chloride, plasma, regulation of concentration of  

Chloride titration, as a measure of renal chloride handling in the dog  

Chloroquine therapy, effect of, on incorporation of \( [4-14C] \delta \)-aminolaevulinate into urinary  
porphyrins during porphyria cutanea tarda  
Taljaard, J.J.F., Shanley, B.C., Joubert, S.M. & Deppe, W.M.  571-581

Cholecalciferol, and treatment of rats with a diphosphonate  
Hill, L.F., Lumb, G.A., Mawer, E.B. & Stanbury, S.W.  335-347

Collagen, abnormalities of, in several heritable disorders of connective tissue  
Francis, M.J.O., Smith, R. & Macmillan, D.C.  429-438

Collagen synthesis, effect of protein deprivation on, and intestinal and renal calcium transport  
and bone formation in rats  
Le Roith, D. & Pimstone, B.L.  305-319

Copper, metabolism and excretion of, in man  
Gollan, J.L. & Deller, D.J.  9-15

Cystinuria, infusion of lysine during  
Lester, F.T. & Cusworth, D.C.  99-111

Diabetes, splanchnic glucose production and its regulation in healthy monozygotic twins of  
Wahren, J., Felig, P., Cerasi, E., Luft, R. & Hendler, R.  493-504

1,25-Dihydroxycholecalciferol, indirect inhibition of the biosynthesis of, in rats treated with  
a diphosphonate  
Hill, L.F., Lumb, G.A., Mawer, E.B. & Stanbury, S.W.  335-347

Disaccharides, absorption of, in the human jejunum  
Cook, G.C.  425-428

Diurnal rhythm, and urinary excretion of catecholamines in man  
Townsend, M.M. & Smith, A.J.  253-265

Dopamine \( \beta \)-hydroxylase, amount of, in plasma in essential hypertension  

Dopamine \( \beta \)-hydroxylase, and plasma catecholamine amounts in phaeochromocytoma  

Dystrophy, muscular, childhood, and interconversion of fructose and glucose  

Erythropoietic and hepatic components of congenital porphyria and erythropoietic protoporphyria, isotopic studies on  

Ethane-1-hydroxy-1,1-diphosphonate, treatment of rats with, and biosynthesis of 1,25- 
dihydroxycholecalciferol  
Hill, L.F., Lumb, G.A., Mawer, E.B. & Stanbury, S.W.  335-347

Ethanol infusion, effect of, on plasma free fatty acids and triglycerides and on hepatic triglycerides in the Rhesus monkey  
Nair, C.R., Saha, S., Chakravarti, R.N., Chhuttani, P.N. & Datta, D.V.  505-510

Exchangeable sodium concentration, in genetically hypertensive rats  

Exercise, effect of, on metabolism of human skeletal muscle in the fasted and fed states  
Baker, P.G.B. & Mottram, R.F.  479-491
Subject index

Exercise, effect of, on metabolism of patients with acromegaly  JOHNSON, R.H. & RENNIE, M.J. 63–71
Exercise, response to, and maximum aerobic power in African males with iron-deficiency anaemia  DAVIES, C.T.M., CHUKWUEMEKA, A.C. & VAN HAAREN, J.P.M. 555–562

Fasting, effect of, on metabolism of human skeletal muscle during rest and exercise  BAKER, P.G.B. & MOTTRAM, R.F. 479–491
Fat-free mass and body potassium, correspondence about  BURKINSHAW, L., COTES, J.E., BODDY, K., KING, P.C., WOMERSLEY, J. & DURNIN, J.V.G.A. 621–625
Fatty acids, non-esterified, plasma, effect of ethanol infusion on, in the Rhesus monkey  NAIR, C.R., SAHA, S., CHAKRAVARTI, R.N., CHHUTTANI, P.N. & DATTA, D.V. 505–510
Fibrinolysis, inhibitors of  OGSTON, D., BENNETT, B., HERBERT, R.J. & DOUGLAS, A.S. 73–79
Folates, effect of anticonvulsant therapy on the absorption of  FEHLING, C., JÄGERSTAD, M., LINDSTRAND, K. & WESTESSON, A.-K. 595–600

Glomerular filtration rate, effect of propranolol on, in hypertensive patients  IBSEN, H. & SEDERBERG-OLSEN, P. 129–134
Growth rate, urinary hydroxyproline as a measure of, in adolescent boys  WHARTON, B.A., GOUGH, G. & PENNOCK, C.A. 359–365

Haemolysis, chronic intravascular, associated with prosthetic cardiac valves, and renal function  SLATER, S.D., RAHMAN, M. & LINDSAY, R.M. 511–515
Subject index


Hydrolysis of dipeptides by rat small intestine in vivo, sites of Crampton, D.F., Lis, M.T. & Matthews, D.M. 583–594


7α-Hydroxysteroid bile acids and their conjugates, determination of, with 7α-hydroxysteroid dehydrogenase Haslewood, G.A.D., Murphy, G.M. & Richardson, J.M. 95–98

Hyperaemia, and forearm blood flow, after isometric muscle contractions Mottram, R.F. 467–478


Hypertension, effect of propanolol on glomerular filtration rate in patients with Ibsen, H. & Sederberg-Olsen, P. 129–134


Hypertension, essential and renovascular, neurogenic participation in, assessed by acute ganglionic blockade Tarazi, R.C. & Dustan, H.P. 197–212

Hypertension, essential, sympathetic response to head-up tilt in patients with Esler, M.D. & Nestel, P.J. 213–226


Hypertension, renoprival, and renal control of changes in the compliance of the interstitial space Lucas, J. & Floyer, M.A. 397–416


Interstitial space, renal control of changes in the compliance of Lucas, J. & Floyer, M.A. 397–416


Intestine, rat, small, sites of absorption and hydrolysis of dipeptides by, in vivo Crampton, D.F., Lis, M.T. & Matthews, D.M. 583–594


Isometric muscle contraction, and forearm blood flow Mottram, R.F. 467–478

Kidney, rat, perfused, isolated, conversion of angiotensin I into angiotensin II by Hofbauer, K.G., Zscheidrich, H., Rauh, W. & Gross, F. 447–456

Subject index

Leucocytes, human, response of, to changes in extracellular osmolality  PATRICK, J. & HILTON, P.J.  457-465
Lipids, serum, effect of different dietary fats associated with a high sucrose diet on  MANN, J.I., WATERMEYER, G.S., MANNING, E.B., RANDLES, J. & TRUSWELL, A.S.  601-604
Liver, as site of insulin sensitivity in healthy monozygotic twins of diabetics and normal controls  WAHREN, J., FELIG, P., CERASI, E., LUFT, R. & HENDLER, R.  493-504
Lung resistance, effect of prostaglandins on, during termination of pregnancy  SMITH, A.P.  17-25
Lysine, infusion of, in cystinuria  LESTER, F.T. & CUSWORTH, D.C.  99-111
Macroglobulin, $\alpha_2$, an inhibitor of urokinase  OGSTON, D., BENNETT, B., HERBERT, R.J. & DOUGLAS, A.S.  73-79
Maltose, absorption of, in the human jejunum  COOK, G.C.  425-428
Metabolism, fat and carbohydrate, changes of, in patients with acromegaly, after exercise  JOHNSON, R.H. & RENNIE, M.J.  63-71
Metabolism, in human skeletal muscle during rest and exercise in the fed and fasted states  BAKER, P.G.B. & MOTTOM, R.F.  479-491
Mitochondrial volume in skeletal muscle from alcoholics and normals and young and old, effect of training on  KIESSLING, K.-H., PILSTROM, L., KARLSSON, J. & PIEHL, K.  547-554
Muscle, skeletal, effect of training on mitochondrial volume in, of normals and alcoholics and young and old  KIESSLING, K.-H., PILSTROM, L., KARLSSON, J. & PIEHL, K.  547-554
Myocardial infarction, effect of, on the diurnal rhythm of catecholamine excretion  TOWNSEND, M.M. & SMITH, A.J.  253-265
Nephrectomy, and bone mineralization  BORDIER, P.H., TUN CHOT, S., EASTWOOD, J.B., FOURNIER, A. & DE WARDENER, H.E.  33-41
Neurogenic participation in essential and renovascular hypertension, assessment of, by acute ganglionic blockade  TARAZI, R.C. & DUSTAN, H.P.  197-212
Normal variation, of plasma enzyme activities in healthy subjects over long periods of time  LEVIN, G.E., MCPHERSON, C.K., FRASER, P.M. & BARON, D.N.  185-196
Oestrogen therapy, effect of, on zinc concentration in plasma from women  AITKEN, J.M., LINDSAY, R. & HART, D. MCKAY  91-94
Osmolality, extracellular, effect of change of, on the human leucocyte  PATRICK, J. & HILTON, P.J.  457-465
Subject index

Paget's disease, calcium lowering effect of various calcitonins in patients with  
Galante, L.,  
Joplin, G.F., MacIntyre, I. & Woodhouse, N.J.Y.  605–610
Parathyroid hormone, human, biosynthesis of Martin, T.J., Greenberg, P.B. & Michel-  
Angeli, V.  1–8
Phaeochromocytoma, plasma catecholamine and dopamine β-hydroxylase amounts in  
Plasma volume, relative to body weight, in genetically hypertensive rats  
Polycythaemia, in patients with chronic airways obstruction Harrison, D.W.  563–570
Polyol–NADP oxidoreductase, inhibition of, and formation of fructose in muscular dystrophy  
Porphyria, congenital, isotopic studies on the hepatic and erythropoietic components of  
Porphyria cutanea tarda, effect of chloroquine therapy on incorporation of [4-14C]β-aminolaevulinate into urinary porphyrins during  
Taljaard, J.J.F., Shanley, B.C., Joubert, S.M. & Deppe, W.M.  571–581
Porphyrrins, urinary, effect of chloroquine therapy on incorporation of [4-14C]β-aminolaevulinate into, during porphyria cutanea tarda  
Taljaard, J.J.F., Shanley, B.C., Joubert, S.M. & Deppe, W.M.  571–581
Posture, effect of changes of, on blood pressure and plasma renin concentrations in men with  
spinal transections Johnson, R.H. & Park, D.M.  539–546
Potassium, body, and fat-free mass, correspondence about Burkinshaw, L., Cotes, J.E.,  
Potassium, flux rates of, in human leucocytes in an artificial extracellular fluid Hilton, P.J.  
& Patrick, J.  439–445
Pregnancy, termination of, by prostaglandins, and their effect on lung resistance  
Smith, A.P.  17–25
Propranolol, effect of, on glomerular filtration rate in hypertensive patients  
Ibsen, H. & Sederberg-Olsen, P.  129–134
Propranolol, racemic and (+), effects of, on renin secretion induced by orthostatic stress  
N.N.  291–295
Prostaglandins, effect of, on forearm arterial bed and superficial hand veins  
Prostaglandins, effect of, on lung resistance during termination of pregnancy  
Smith, A.P.  17–25
Protein deprivation, effect of, on intestinal and renal calcium transport, bone formation and  
collagen synthesis in rats  
Le Roith, D. & Pimstone, B.L.  305–319
Protoporphyria, erythropoietic, isotopic studies on the hepatic and erythropoietic components  
135–150
Pseudoxanthoma elasticum, stability of collagen in patients with Francis, M.J.O., Smith,  
R. & Macmillan, D.C.  429–438
Pteroylglutamates, effect of anticonvulsant therapy on the absorption of  
Fehling, C., Jägerstad, M., Lindstrand, K. & Westesson, A.-K.  595–600
Raynaud's phenomenon, effect of cold on blood flow in the hands of patients with Downey, J.A. & Frewin, D.B. 279–289
β-Receptor blocking agent, and triglyceride accumulation after ethanol infusion in the Rhesus monkey Nair, C.R., Saha, S., Chakravarti, R.N., Chhuttani, P.N. & Datta, D.V. 505–510
Renal control, of changes in interstitial space compliance, and the aetiology of renoprival hypertension Lucas, J. & Floyer, M.A. 397–416
Renal function, in chronic intravascular haemolysis associated with prosthetic cardiac valves Slater, S.D., Rahman, M. & Lindsay, R.M. 511–515
Renal threshold, for lysine Lester, F.T. & Cusworth, D.C. 99–111
Renin, activation of a possible zymogen of, in rabbit kidney Leckie, B. 301–304
Renin concentration, plasma, effect of postural changes on, and blood pressure in men with spinal transections Johnson, R.H. & Park, D.M. 539–546
Renin, plasma activity of, measured by radioimmunoassay of angiotensin I Fukuchi, S., Takeuchi, T. & Torikai, T. 43–54
Renin substrate, non-effect of a converting enzyme inhibitor on the vasoconstrictor effect induced by, in isolated perfused rat kidney Hofbauer, K.G., Zscheidrich, H., Rauh, W. & Gross, F. 447–456
Renin substrate, plasma, effect of angiotensin on concentration of Khayyall, M., MacGregor, J., Brown, J.J., Lever, A.F. & Robertson, J.S. 87–90
Respiratory reflexes in the rabbit, effect of local anaesthesia on Jain, S.K., Trenchard, D., Reynolds, F., Noble, M.I.M. & Guz, A. 519–538

Skeletal muscle, human, metabolism of, during rest and exercise in the fed and fasted states Baker, P.G.B. & Mottram, R.F. 479–491
Skeletal muscle, human, uptake of glucose by, in vitro Frayn, K.N., Adnitt, P.I. & Turner, P. 55–62
Subject index

Spinal transections, effect of postural changes on blood pressure and plasma renin concentrations in men with  JOHNSON, R.H. & PARK, D.M.  539–546
Sympathetic activity, reflex, in response to head-up tilt in patients with essential hypertension  ESLER, M.D. & NESTEL, P.J.  213–226
Synovial membrane, anion transport in  KREMER, D., DEODHAR, S.D. & DICK, W.C.  611–615

Tamm–Horsfall glycoprotein, radioimmunoassay of, in urine, in the presence of sodium dodecyl sulphate  GRANT, A.M.S. & NEUBERGER, A.  163–179
Temperature, body, deep, measurement of, transcutaneously  FOX, R.H., SOLMAN, A.J., ISAACS, R., FRY, A.J. & MACDONALD, I.C.  81–86
Tilt, head-up, effect of, on sympathetic reflex activity in patients with essential hypertension  ESLER, M.D. & NESTEL, P.J.  213–226
TRANSECTION, SPINAL, see Spinal transection
Transport of anions, in the synovial membrane  KREMER, D., DEODHAR, S.D. & DICK, W.C.  611–615
Triglycerides, plasma and hepatic and plasma free fatty acids, effect of ethanol infusion on, in the Rhesus monkey  NAIR, C.R., SAHA, S., CHAKRAVARTI, R.N., CHHUTTANI, P.N. & DATTA, D.V.  505–510

Urokinase, inhibition of, by α2-macroglobulin  OGSTON, D., BENNETT, B., HERBERT, R.J. & DOUGLAS, A.S.  73–79

Veins, hand, superficial, and forearm arterial bed, effect of prostaglandins on  ROBINSON, B.F., COLLIER, J.G., KARIM, S.M.M. & SOMERS, K.  367–376
Vitamin D, no evidence for abnormality of, in anephric patients  BORDIER, PH.J., TUN CHOT, S., EASTWOOD, J.B., FOURNIER, A. & DE WARDENER, H.E.  33–41

Zinc, concentration of, in plasma, from pre- and post-menopausal women, and effect of oestrogen therapy  AITKEN, J.M., LINDSAY, R. & HART, D. MCKAY  91–94
Zymogen, possible, of renin, activation of, in rabbit kidney  LECKIE, B.  301–304