AUTHOR INDEX

AHUMADA, J.J. & MASSRY, S.G. Renal vasodilatation: effect on renal handling of phosphate 109

AITKEN, J.M., HART, D.McK. & SMITH, D.A. The effect of long-term mestranol administration on calcium and phosphorus homeostasis in oophorectomized women 233


ALLEYNE, G.A.O., see Ho Ping Kong, H. & Alleyne, G.A.O.

ALLISON, MARJORIE E.M. & KENNEDY, A.C. Diuretics in chronic renal disease: a study of high dosage frusemide 171


BAKER, L.R.I. & MARSHALL, R.D. A reinvestigation of methylguanidine concentrations in sera from normal and uraemic subjects 563

BAR KHAYIM, Y., see Makoff, D.L. et al.

BARNETT, D., see Cohen, R.D. et al.

BENEDETTI-VALENTINI, F., Jr, see Fiorani, P. et al.

BIRKENHÄGER, W.H., see Schalekamp, M.A.D.H. et al.

BJÖRNTORP, P., see Fahlén, M. et al.

BODDY, K., see Lawson, D.H. et al.

BOUDÍK, F., see Ježek, V. & Boudík, F.

BOVEE, K.C. & WEBSTER, G.D. Intrarenal distribution of blood flow during saline loading in the dog 519

BRAZEAU, P., see Fulop, M. & Brazeau, P.

BROWN, J.J., see Love, D.R. et al.

BROWN, R.R., see Wolf, H. & Brown, R.R.

CALNE, D.B., see Reid, J.L. et al.

CHINN, R.H., see Love, D.R. et al.

CHISHOLM, D.M., see Stephen, K.W. et al.

CINOTTI, G.A., see Fiorani, P. et al.

CITONE, G., see Fiorani, P. et al.

CLARK, K.G.A. & NICHOLSON, D.C. Erythrocyte protoporphyrin and iron uptake in erythropoietic protoporphyria 363

COHEN, R.D., ILES, R.A., BARNETT, D., HOWELL, M.E.O. & STRUNIN, J. The effect of changes in lactate uptake on the intracellular pH of the perfused rat liver 159
Author index

COX, J.R., HORROCKS, P., SPEIGHT, CAROL J., PEARSON, ROSEMARY E. & HOBSON, NORMA. Potassium and sodium distribution in cardiac failure 55

CRAFT, I.L. & PETERS, T.J. Quantitative changes in plasma amino acids induced by oral contraceptives 301

CRAMPTON, R.F., GANGOLLI, S.D., SIMSON, PAMELA & MATTHEWS, D.M. Rates of absorption by rat intestine of pancreatic hydrolysates of proteins and their corresponding amino acid mixtures 409

CROUCHMAN, M.R., see AASATOOR, A.M. et al.

CROWNE, R.S., DONNINGER, C., GRIMBLE, R.F. & WHITEHEAD, R.G. The isolation and identification of piperidine-2-carboxylic acid in the urine of protein malnourished rats 535

DA SILVA, J.A., see MAKOFF, D.L. et al.

DI SALVO, R., see FIORANI, P. et al.

DONNINGER, C., see CROWNE, R.S. et al.

DUNN, M.J. Magnesium depletion in the rhesus monkey: induction of magnesium-dependent hypocalcaemia 333

EISELE, J.H., see NOBLE, M.I.M. et al.

ELEBUTE, E.A., see FEMI-PEARSE, D. & ELEBUTE, E.A.

ELSE, WENDY, see NOBLE, M.I.M. et al.

FAHLEN, M., ODÉN, A., BJÖRNTORP, P. & TIBBLIN, G. Seasonal influence on insulin secretion in man 453

FARAGLIA, V., see FIORANI, P. et al.

FELGATE, R.A. & TAYLOR, W.H. The effect of methylguanidine on tissue respiration in vitro 85

FEMI-PEARSE, D. & ELEBUTE, E.A. Ventilatory function in healthy adult Nigerians 203


FLETCHER, J. The plasma clearance and liver uptake of iron from transferrin of low and high iron saturation 395

FLOYER, M.A., see SNASHALL, P.O. et al.

FOLKOW, BJÖRN. The haemodynamic consequences of adaptive structural changes of the resistance vessels in hypertension 1

FRANKEL, H.L., see NOBLE, M.I.M. et al.

FROMMER, D. The binding of copper by bile and serum 485

FULOP, M. & BRAZEAU, P. The relation between the urinary excretion of inorganic phosphate and sodium 249

GALTON, D.J. & WILSON, J.P.D. The effect of starvation and diabetes on glycolytic enzymes in human adipose tissue 545

GANGOLLI, S.D., see CRAMPTON, R.F. et al.
Author index

GARASSINI, M., see James, I.M. et al.
GEORGE, C.F., see Reid, J.L. et al.
GIBBS, KATHLEEN & WALSH, J.M. Studies with radioactive copper (\(^{64}\)Cu and \(^{67}\)Cu);
the incorporation of radioactive copper into caeruloplasmin in Wilson’s disease
and in primary biliary cirrhosis 189
GILMORE, N.J. & VANE, J.R. Hormones released into the circulation when the urinary
bladder of the anaesthetized dog is distended 69
GRIMBLE, R.F., see Crowne, R.S. et al.
GUZ, A., see Noble, M.I.M. et al., see also Snashall, P.D. et al.
HAGENFELDT, L., LANDIN, S. & WAHREN, J. Substrate utilization in paretic human fore-
arm muscle during electrically induced exercise 353
HARDEN, R.MC.G., see Stephen, K.W. et al.
HARRISON, A.R., see Asatoor, A.M. et al.
HART, D.McK., see Aitken, J.H. et al.
HICKMAN, J.A. A study of the metabolism of fibrinogen after surgical operations 141
HOBSON, NORMA, see Cox, J.R. et al.
HO PING KONG, H. & ALLEYNE, G.A.O. Studies on acid excretion in adults with sickle-
cell anaemia 505
HORROCKS, P., see Cox, J.R. et al.
HOWELL, M.E.O., see Cohen, R.D. et al.
HYSEK, HERTA, see Schmidt, P. et al.
ILES, R.A., see Cohen, R.D. et al.
JALAN, K.N., see Percy-Robb, I.W. et al.
JAMES, I.M., GARASSINI, M. & LARBI, E. The effect of ammonium salts on cerebral and
hind-limb consumption of oxygen and glucose in the ventilated dog 403
JEŽEK, V. & BOUDÍK, F. Respiratory and haemodynamic response to carbon dioxide
breathing in patients with and without bronchial obstruction 101
JOHNSON, GLORIA A., see Williams, H.E. et al.
JOHNSON, R.H., see Love, D.R. et al.
JORFELDT, L. & WAHREN, J. Leg blood flow during exercise in man 459
JOY, M.D. The intramedullary connections of the area postrema involved in the central
cardiovascular response to angiotensin II 89
KENNEDY, A.C., see Allison, Marjorie E.M. & Kennedy, A.C.
KING, P.C., see Lawson, D.H. et al.
KLINGLER, E.L., Jr, see Vaamonde, C.A. et al.
KOLSTERS, G., see Schalekamp, M.A.D.H. et al.
KOTCHEN, T.A., MULROW, P.J., MORROW, L.B., SHUTKIN, P.M. & MARIEB, N. Renin
and aldosterone in essential hypertension 321
KOTZAUREK, R., see Schmidt, P. et al.
KRAUSS, X.H., see Schalekamp, M.A.D.H. et al.
KUYT, F., see Makoff, D.L. et al.
LANDIN, S., see Hagenfeldt, L. et al.
LARBI, E., see James, I.M. et al.
LAWRIE, T.D.V., see Aitken, J.M. et al.
LEADINGHAM, I.McA., see Vance, J.P. et al.
LEVER, A.F., see Love, D.R. et al.
LIGHT, F.W., see Asatoor, A.M. et al.
LINTON, A.L., see Lawson, D.H. et al.
LORIMER, A.R., see Aitken, J.M. et al.
LOUGHRIDGE, L.W., see Asatoor, A.M. et al.
LUCAS, J., see Snashall, P.D. et al.
McMANUS, J.P.A., see Percy-Robb, I.W. et al.
MAKOFF, D.L., DA SILVA, J.A. & ROSENBAUM, B.J. On the mechanism of hyperkalaemia due to hyperosmotic expansion with saline or mannitol 383
MAKOFF, D.L., REID, M.J., BAR KHAYIM, Y. & KUYT, F. The validity of measurement of mean whole body intracellular hydrogen ion activity using 5,5-dimethyl-2,4-oxazolidinedione 309
MANN, J.I., TRUSWELL, A.S. & PIMSTONE, B.L. The different effects of oral sucrose and glucose on alimentary lipaemia 123
MARIEB, N., see Kotchen, T.A. et al.
MARSHALL, R.D., see Baker, L.R.I. & Marshall, R.D.
MASSRY, S.G., see Ahumada, J.J. & Massry, S.G.
MATTHEWS, D.M., see Crampton, R.F. et al.
MILNE, M.D., see Asatoor, A.M. et al.
MORGAN, A.G. & POLAK, A. The excretion of salicylate in salicylate poisoning 475
MOROSI, H.J., see Vaamonde, C.A. et al.
MORROW, L.B., see Kotchen, T.A. et al.
MULROW, P.J., see Kotchen, T.A. et al.
NICHOLSON, D.C., see Clark, K.G.A. & Nicholson, D.C.
NOBLE, M.I.M., EISELE, J.H., FRANKEL, H.L., ELSE, WENDY & GUZ, A. The role of the diaphragm in the sensation of holding the breath 275
NOBLE, M.I.M., FRANKEL, H.L., ELSE, WENDY & GUZ, A. The ability of man to detect added resistive loads to breathing 285
ODÉN, A., see Fahlén, M. et al.
PALLIS, C., see Reid, J.L. et al.
PAPPER, S., see Vaamonde, C.A. et al.
PARK, D.M., see Love, D.R. et al.
Author index

PARKER, R.A., see Watts, R.W.E. et al.
PARRATT, J.R., see Vance, J.P. et al.
PEARSON, ROSEMARY E., see COX, J.R. et al.
PERCY-ROBB, I.W., JALAN, K.N., McMANUS, J.P.A. & SIRCUS, W. Effect of ileal resection on bile salt metabolism in patients with ileostomy following proctocolectomy 371

PETERS, T.J., see Craft, I.L. & Peters, T.J.
PIMSTONE, B.L., see MANN, J.I. et al.
PISTOLESE, G.R., see Fiorani, P. et al.
POLAK, A., see Morgan, A.G. & Polak, A.
PRESSER, J.I., see Vaamonde, C.A. et al.

READ, J., see Rebuck, A.S. & Read, J.

REBUCK, A.S. & READ, J. Patterns of ventilatory response to carbon dioxide during recovery from severe asthma 13

REGAN, GILLIAN M., TAGG, BERYL, WALFORD, JOAN & THOMSON, M.L. The relative importance of clinical, radiological and pulmonary function variables in evaluating asbestosis and chronic obstructive airway disease in asbestos workers 569


REID, M.J., see Makoff, D.L. et al.
RICHARDS, A.J., see Asatoor, A.M. et al.
ROBERTSON, J.I.S., see LOVE, D.R. et al.
ROBERTSON, J.W.K., see Stephen, K.W. et al.
ROSENBAUM, B.J., see Makoff, D.L. et al.


SCHALEKAMP-KUYKEN, M.P.A., see Schalekamp, M.A.D.H. et al.
SCHMIDT, P., KOTZAUREK, R., ZAZGORNÍK, J. & HYSEK, HERTA. Magnesium metabolism in patients on regular dialysis treatment 131

SEMPREBENE, L., see Fiorani, P. et al.
SHUTKIN, P.M., see Kotchen, T.A. et al.
SIMSON, Pamela, see Crampton, R.F. et al.
SIRCUS, W., see Percy-Robb, I.W. et al.
SMITH, D.A., see Aitken, J.M. et al.
SMITH, L.H., JR, see Williams, H.E. et al.
SNASHALL, P.D., LUCAS, J., GUZ, A. & FLOYER, M.A. Measurement of interstitial ‘fluid’ pressure by means of a cotton wick in man and animals: an analysis of the origin of the pressure 35

SNEEDDEN, W., see Watts, R.W.E. et al.
SPARTERA, C., see Fiorani, P. et al.
SPEIGHT, CAROL J., see COX, J.R. et al.
Author index

STASZEWSKA-BARCZAK, JANINA. The reflex stimulation of catecholamine secretion during the acute stage of myocardial infarction in the dog 419


STRUNIN, J., see Cohen, R.D. et al.

STUART, AGNES, see Stephen, K.W. et al.

TAGG, BERYL, see Regan, Gillian M. et al.

TANNEN, R.L. The response of normal subjects to the short ammonium chloride test: the modifying influence of renal ammonia production 583

TAYLOR, W.H., see Felgate, R.A. & Taylor, W.H.

THOMSON, M.L., see Regan, Gillian M. et al.

TIBBLIN, G., see Fahlén, M. et al.

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

VAAMONDE, C.A., VAAMONDE, LILIANA S., PRESSER, J.I., MOROSI, H.J., KLIN GLER, E.J., Jr & PAPPER, S. The role of vasopressin and urea in the renal concentrating defect of patients with cirrhosis of the liver 441

VAAMONDE, LILIANA S., see Vaamonde, C.A. et al.

VAKIL, S.D., see Reid, J.L. et al.

VANCE, J.P., PARRATT, J.R. & LEDINGHAM, I.McA. The effects of hypoxia on myocardial blood flow and oxygen consumption: negative role of beta adreno-receptors 257

VANE, J.R., see Gilmore, N.J. & Vane, J.R.

WAHREN, J., see Hagenfeldt, L. et al., see also Jorfeldt, L. & Wahren, J.

WALFORD, JOAN, see Regan, Gillian M. et al.

WALSH, J.M., see Gibbs, Kathleen & Walsh, J.M.

WATTS, R.W.E., SNEDDEN, W. & PARKER, R.A. A quantitative study of skeletal-muscle purines and pyrazolo[3,4-d]pyrimidines in gout patients treated with allopurinol 153

WEBSTER, G.D., see Bovee, K.C. & Webster, G.D.

WHALEY, K., see Stephen, K.W. et al.

WHITEHEAD, R.G., see Crowne, R.S. et al.

WILL, G., see Lawson, D.H. et al.

WILLIAMS, H.E., JOHNSON, GLORIA A. & SMITH, L.H., Jr. The renal clearance of oxalate in normal subjects and patients with primary hyperoxaluria 213

WILSON, J.P.D., see Galton, D.J. & Wilson, J.P.D.


ZAZGORNÍK, J., see Schmidt, P. et al.
SUBJECT INDEX

Acidosis, renal tubular, in sickle-cell anaemia  Ho PING KONG, H. & ALLEYNE, G.A.O. 505–518

Adipose tissue, human, effect of starvation and diabetes on glycolytic enzymes in GALTON, D.J. & WILSON, J.P.D. 545–553

β-Adrenoreceptors, negative role of, on the effects of hypoxia in dogs VANCE, J.P., PARRATT, J.R. & LEDINGHAM, I.McA. 257–273

Aldosterone in essential hypertension KOTCHEN, T.A., MULROW, P.J., MORROW, L.B., SHUTKIN, P.M. & MARIEB, N. 321–331

Allopurinol, purines and pyrazolo[3,4-d]pyrimidines in the skeletal muscles of gout patients after treatment with WATTS, R.W.E., SNEDDEN, W. & PARKER, R.A. 153–158


Amino acids, plasma, changes in, induced by oral contraceptives CRAFT, I.L. & PETERS, T.J. 301–307

Ammonia, renal production of, modifying influence of, on ammonium chloride test TANNEN, R.L. 583–595

Ammonium chloride test, response of normal subjects to TANNEN, R.L. 583–595

Ammonium salts, effect of, on cerebral and hind-limb consumption of oxygen and glucose JAMES, I.M., GARASSINI, M. & LARBI, E. 403–408

Anaemia, sickle-cell, acid excretion in Ho PING KONG, H. & ALLEYNE, G.A.O. 505–518

Angiotensin II, cardiovascular response to, intramedullary connections of the area postrema involved in JOY, M.D. 89–100

Area postrema, intramedullary connections of, involved in the cardiovascular response to angiotensin II JOY, M.D. 89–100


Asbestosis, relative importance of clinical, radiological and pulmonary function in the evaluation of REGAN, G.M., TAGG, B., WOLFORD, J. & THOMSON, M.L. 569–582

Asthma, ventilatory response to carbon dioxide during recovery from REBUCK, A.S. & READ, J. 13–21

Bile, binding of copper by FROMMER, D. 485–493


Bladder distension, release of hormones into the circulation during, in dogs GILMORE, N.J. & VANE, J.R. 69–83

Blood flow, intrarenal, during saline loading in the dog BOVEE, K.C. & WEBSTER, G.D. 519–534


Blood pressure, effect of bladder distension on GILMORE, N.J. & VANE, J.R. 69–83
Subject index

Blood vessels, haemodynamic consequences of structural changes of, in hypertension FOLKOW, B. 1-12

Breath-holding sensation, role of the diaphragm in NOBLE, M.I.M., EISELE, J.H., FRANKEL, H.L., ELSE, W. & GUZ, A. 275-283

Breathing, ability of man to detect added resistive loads to NOBLE, M.I.M., FRANKEL, H.L., ELSE, W. & GUZ, A. 285-287

Bronchitis, obstructive, respiratory and haemodynamic response to carbon dioxide breathing in JEŽEK, V. & BOUDÍK, F. 101-107

Caeruloplasmin, incorporation of $^{64}$Cu into, in Wilson’s disease and primary biliary cirrhosis GIBBS, K. & WALSHE, J.M. 189-202

Calcium, metabolism of, effect of mestranol administration on AITKEN, J.M., McKay HART, D. & SMITH, D.A. 233-236

Carbon dioxide, respiratory and haemodynamic response to breathing, in obstructive bronchitis JEŽEK, V. & BOUDÍK, F. 101-107

Carbon dioxide, ventilatory response to, during recovery from asthma REBUCK, A.S. & READ, J. 13-21

Cardiac failure, potassium and sodium distribution in COX, J.R., HORROCKS, P., SPEIGHT, C.J., PEARSON, R.E. & HOBSON, N. 55-61


Cardiovascular response to angiotensin II JOY, M.D. 89-100

Catecholamine secretion during myocardial infarction in the dog STASZEWSKA-BARCZAK, J. 419-439

Catecholamines, release of, into the blood during urinary bladder distension in dogs GILMORE, N.J. & VANE, J.R. 69-83


Cholic acid pool, turnover of, effect of ileal resection on PERCY-ROBB, I.W., JALAN, K.N., McMANUS, J.P.A. & SIRCUS, W. 371-382


Cirrhosis, primary biliary, incorporation of copper into caeruloplasmin in GIBBS, K. & WALSHE, J.M. 189-202

Contraceptives, oral, effect of, on plasma amino acids CRAFT, I.L. & PETERS, T.J. 301-307

Copper, binding of, by bile and serum FROMMER, D. 485-493

Copper, incorporation of, into caeruloplasmin in Wilson’s disease and primary biliary cirrhosis GIBBS, K. & WALSHE, J.M. 189-202


Diabetes, effect of, on glycolytic enzymes in human adipose tissue GALTON, D.J. & WILSON, J.P.D. 545-553

Dialysis, chronic, metabolism of magnesium in patients treated by SCHMIDT, P., KOTZAUREK, R., ZAZGORNIK, J. & HYSEK, H. 131-139
Subject index

Diuresis, alkaline, effect of, on salicylate excretion Morgan, A.G. & Polak, A. 475–484

Erythrocytes, age, iron metabolism and porphric content of, in erythropoietic protoporphyria Clark, K.G.A. & Nicholson, D.C. 363–370
Erythropoietic protoporphyria, erythrocyte protoporphyrin, iron uptake and cell fluorescence in Clark, K.G.A. & Nicholson, D.C. 363–370
Ethnic comparisons by means of ventilatory function Femipears, D. & Elebute, E.A. 203–211
Excretion, acid, in sickle-cell anaemia Ho Ping Kong, H. & Alleyne, G.A.O. 505–518
Excretion, salicylate, in salicylate poisoning Morgan, A.G. & Polak, A. 475–484
Excretion, urinary, relation between, of inorganic phosphate and sodium Fulop, M. & Brazeau, P. 249–256
Exercise, bicycle ergometer, effect on leg blood flow Jorfeldt, L. & Wahren, J. 459–473

Fibrinogen, metabolism of, after surgery Hickman, J.A. 141–152
‘Fluid’ pressure, interstitial, measurement of Snashall, P.D., Lucas, J., Guz, A. & Floyer, M.A. 35–53
Frusemide, therapy of chronic renal disease with Allison, M.E.M. & Kennedy, A.C. 171–187

Glucose, effect of ammonium salts on consumption of, in the dog James, I.M., Garassini, M. & Larbi, E. 403–408
Glucose, effect of, on alimentary lipaemia Mann, J.I., Truswell, A.S. & Pimstone, B.L. 123–129
Glycolysis, enzymes associated with, effect of starvation and diabetes on, in human adipose tissue Galton, D.J. & Wilson, J.P.D. 545–553
Gout, effect of treatment of, with allopurinol on the content of purines and pyrazolo[3,4-d]-pyrimidines Watts, R.W.E., Snedden, W. & Parker, R.A. 153–158

Hexokinase, effect of diabetes and starvation on, in human adipose tissue Galton, D.J. & Wilson, J.P.D. 545–553
Homeostasis, calcium and phosphorus, effect of mestranol administration on Aitken, J.M., McKay Hart, D. & Smith, D.A. 233–236
Hormones, release of, into the circulation during bladder distension Gilmore, N.J. & Vane, J.R. 69–83
Subject index

Hydrogen ion activity, intracellular, measurement of, by using 5,5-dimethyl-2,4-oxazolidinedione MAKOFF, D.L., REID, M.J., BAR KHAYIM, Y. & KUYT, F. 309–319

Hyperkalaemia, mechanism of, due to hyperosmotic expansion with saline or mannitol MAKOFF, D.L., DA SILVA, J.A. & ROSENBAUM, B.J. 383–393


Hypertension, essential, renin and aldosterone in KOTCHEN, T.A., MULROW, P.J., MORROW, L.B., SHUTKIN, P.M. & MARIEB, N. 321–331

Hypertension, haemodynamic consequences of adaptive structural changes of the resistance vessels in FOLKOW, B. 1–12


Hypocalcaemia, magnesium-dependent, induction of, in Rhesus monkeys DUNN, M.J. 333–344


Hypoxia, effects of, on myocardial blood flow and oxygen consumption VANCE, J.P., PARRATI, J.R. & LEDINGHAM, I.McA. 257–273


Ileum, resection of, effect on bile salt metabolism PERCY-ROBB, I.W., JALAN, K.N., McMANUS, J.P.A. & SIRCUS, W. 371–382


Interstitial 'fluid' pressure, measurement of, and analysis of origin SNASHALL, P.D., LUCAS, J., GUZ, A. & FLOYER, M.A. 35–53


Iron, uptake of, in liver, from transferrin FLETCHER, J. 395–402

Kidney, ammonia production by, influence of, on ammonium chloride test TANNEN, R.L. 583–595
Subject index

Kidney, blood flow in, during saline loading in the dog Bovée, K.C. & Webster, G.D. 519–534

Kidney, clearance of oxalate from, in hyperoxaluria Williams, H.E., Johnson, G.A. & Smith, L.H., Jr. 213–218

Kidney, effect of vasodilatation of, on phosphate handling Ahumada, J.J. & Massry, S.G. 109–121


Lactate production in paretic forearm muscle Hagenfeldt, L., Landin, S. & Wahren, J. 353–361


Leg, blood flow in, during exercise in man Jorfeldt, L. & Wahren, J. 459–473

Lipaemia, alimentary, effects of oral sucrose and glucose on Mann, J.I., Truswell, A.S. & Pimstone, B.L. 123–129


Liver, iron uptake by Fletcher, J. 395–402

Lung volumes in healthy adult Nigerians Femi-Pearse, D. & Elebute, E.A. 203–211

Magnesium depletion in the Rhesus monkey and induction of magnesium-dependent hypocalcaemia Dunn, M.J. 333–344

Magnesium, metabolism of, in patients on regular dialysis treatment Schmidt, P., Kotzaurek, R., Zazgornik, J. & Hysek, H. 131–139

Mestranol, effect of, on calcium and phosphorus homeostasis in oophorectomized women Aitken, J.M., McKay Hart, D. & Smith, D.A. 233–236


Methylguanidine, concentrations of, in sera from normal and uraemic subjects Baker, L.R.I. & Marshall, R.D. 563–568

Methylguanidine, effect of, on tissue respiration in vitro Felgate, R.A. & Taylor, W.H. 85–87


Myocardial blood flow, effect of hypoxia on Vance, J.P., Parratt, J.R. & Ledingham, I.Mca. 257–273
Myocardial infarction, catecholamine stimulation in, in the dog  STASZEWSKA-BARCZAK, J.  419–439
Myocardial infarction, seasonal influence on insulin secretion and blood concentration after  FAHLEN, M., ODÉN, A., BJÖRNTORP, P. & TIBBLIN, G.  453–458
Natriuresis, effect of intrarenal blood flow on  BOVÉE, K.C. & WEBSTER, G.D.  519–534
Obstructive airway disease, chronic relative importance of clinical, radiological and pulmonary function in the evaluation of  REGAN, G.M., TAGG, B., WALFORD, J. & THOMSON, M.L.  569–582
Oxygen, effect of ammonium salts on consumption of, in the dog  JAMES, I.M., GARASSINI, M. & LARBI, E.  403–408
Paralysis, forearm muscle, substrate utilization in, during electrically induced exercise  HAGENFELDT, L., LANDIN, S. & WAHREN, J.  353–361
pH, intracellular, effect of lactate uptake on, of perfused rat liver  COHEN, R.D., ILES, R.A., BARNETT, D., HOWELL, M.E.O. & STRUNIN, J.  159–170
Phosphate, effect of vasodilatation on the renal handling of, in the dog  AHUMADA, J.J. & MASSRY, S.G.  109–121
Phosphate, inorganic, excretion of, and sodium  FULOP, M. & BRAZEAU, P.  249–256
Phosphofructokinase, effect of diabetes and starvation on, in human adipose tissue  GALTON, D.J. & WILSON, J.P.D.  545–553
Phosphorus, metabolism of, effect of mestranol administration on  AITKEN, J.M., MCKAY HART, D. & SMITH, D.A.  233–236
Plasma amino acids, changes in, induced by oral contraceptives  CRAFT, I.L. & PETERS, T.J.  301–307
Plasma, iron clearance from  FLETCHER, J.  395–402
Subject index

Porphyrin content of erythrocytes in erythropoietic protoporphyria CLARK, K.G.A. & NICHOLSON, D.C. 363–370


Pressure, ‘fluid’, interstitial, measurement of SNASHALL, P.D., LUCAS, J., GUZ, A. & FLOYER, M.A. 35–53

Principal component analysis, use of, for evaluating asbestosis and obstructive airway disease REGAN, G.M., TAGG, B., WALFORD, J. & THOMSON, M.L. 569–582

Proctocolectomy, effect of, on bile salt metabolism PERCY-ROBB, I.W., JALAN, K.N., McMANUS, J.P.A. & SIRCUS, W. 371–382


Renal disease, chronic, effect of frusemide therapy in ALLISON, M.E.M. & KENNEDY, A.C. 171–187


Renin in essential hypertension KOTCHEN, T.A., MULROW, P.J., MORROW, L.B., SHUTKIN, P.M. & MARIEB, N. 321–331


Respiration, effect of carbon dioxide breathing on, in patients with bronchitis JEZEK, V. & BOUDIK 101–107

Respiration, tissue, effect of methylguanidine on FELGATE, R.A. & TAYLOR, W.H. 85–87

Rhesus monkey, magnesium depletion in DUNN, M.J. 333–344

Salicylate, excretion of, in salicylate poisoning MORGAN, A.G. & POLAK, A. 475–484


Serum, binding of copper by FROMMER, D. 485–493


Serum, methylguanidine concentration in BAKER, L.R.I. & MARSHALL, R.D. 563–568
<table>
<thead>
<tr>
<th>Subject index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sjögren’s syndrome, diagnostic value of quantitative scintiscanning of salivary glands in</td>
</tr>
<tr>
<td>555–561</td>
</tr>
<tr>
<td>Sodium, distribution of, in cardiac failure Cox, J.R., Horrocks, P., Speight, C.J., Pearson,</td>
</tr>
<tr>
<td>R.E. &amp; Hobson, N. 55–61</td>
</tr>
<tr>
<td>Sodium, excretion of, and phosphate Fulop, M. &amp; Brazeau, P. 249–256</td>
</tr>
<tr>
<td>Sucrose, effect of, on alimentary lipaemia Mann, J.I., Truswell, A.S. &amp; Pimstone, B.L. 123–129</td>
</tr>
<tr>
<td>Surgical operation, effect of, on metabolism of fibrinogen Hickman, J.A. 141–152</td>
</tr>
<tr>
<td>Sympathetic nervous system, role of, in orthostatic hypotension Love, D.R., Brown, J.J.,</td>
</tr>
<tr>
<td>Transferrin, effect of degree of saturation with iron, on uptake of iron Fletcher, J. 395–402</td>
</tr>
<tr>
<td>Triglycerides, serum, effect of oophorectomy on Aitken, J.M., Lorimer, R.A., McKay Hart, D.,</td>
</tr>
<tr>
<td>Lawrie, T.D.V. &amp; Smith, D.A. 597–603</td>
</tr>
<tr>
<td>Trimetaphan, infusion of, assessment of renal function during Fiorani, P., Faraglia, V.,</td>
</tr>
<tr>
<td>&amp; Cinotti, G.A. 495–504</td>
</tr>
<tr>
<td>Tryptophan, effect of load of, on excretion of tryptophan metabolites Wolf, H. &amp; Brown, R.R. 237–</td>
</tr>
<tr>
<td>248</td>
</tr>
<tr>
<td>Urea, role of, in the renal concentrating defect in cirrhosis of the liver Vaamonde, C.A.,</td>
</tr>
<tr>
<td>Urinary excretion, effect of tryptophan load and vitamin B₆ supplementation on, of tryptophan</td>
</tr>
<tr>
<td>Urine, isolation of piperidine-2-carboxylic acid from, of protein malnourished rats Crowne, R.S.,</td>
</tr>
<tr>
<td>Vasopression, role of, in the renal concentrating defect in cirrhosis of the liver Vaamonde, C.A.,</td>
</tr>
<tr>
<td>Ventilatory response to carbon dioxide during recovery from asthma Re buck, A.S. &amp; Read, J. 13–21</td>
</tr>
<tr>
<td>Vitamin B₆, effect of supplementation with, on urinary excretion of tryptophan metabolites</td>
</tr>
<tr>
<td>Wolf, H. &amp; Brown, R.R. 237–248</td>
</tr>
<tr>
<td>Wilson’s disease, incorporation of copper into caeruloplasmin in Gibbs, K. &amp; Walshe, J.M. 189–202</td>
</tr>
</tbody>
</table>