

26C

PUBLISHED BY
THE MEDICAL RESEARCH SOCIETY AND THE BIOCHEMICAL SOCIETY

© The Medical Research Society and the Biochemical Society 1981
ISSN 0143-5221

Printed in Great Britain by Spottiswoode Ballantyne Ltd.
Colchester and London

Volume 61

AUTHOR INDEX

- ABE, M. 599-603
 ADLER, A.J. 605-610
 ADRIAN, T.E. 653-656
 AL-DUJAILI, E.A.S. 201-206
 ALFREY, A.C. 621-626
 ALLISON, D.J. 585-590
 ALLSOP, J. 757-764
 AMBROSIONI, E. 181-186
 AMORENA, C. 115-118
 ANDERSON, G.H. 451-455
 ANDERSON, W.P. 663-670
 ANGUS, J. A. 663-670
 ANTHONISEN, N.R. 781-784
 ARIAS, I.M. 123-125
 ÅSTRÖM, H. 299-305

 BALASUBRAMANIAN, S. 615-619
 BALL, S.G. 417-422
 BALLARD, F.J. 737-741
 BANKS, R.A. 97-105
 BARBIERI, C. 187-190
 BARER, G.R. 569-580
 BARNES, A.J. 653-656
 BARNES, P.J. 159-162
 BARRETT, J.D. 671-678
 BARTON, R.N. 399-405
 BATHOLOMEW, T.C. 773-780
 BECK, D. 47-51
 BEE, D. 569-580
 BEILIN, L.J. 97-105
 BEINS, D.M. 615-619
 BELLINI, G. 685-691
 BENGTSOON, C. 299-305
 BENNETT, T. 463-469, 511-519
 BERGERT, J.H. 487-491
 BERLYNE, G.M. 605-610
 BETTER, O.S. 535-539
 BETTS, A.K. 743-749
 BIANCHI, M. 685-691
 BIANCHINI, C. 505-509
 BILLING, B. H. 773-780
 BING, R.F. 287-293
 BLAKE, D. R. 483-486
 BLENDIS, L.M. 451-455
 BLOOM, S.R. 653-656
 BODARD, H. 273-279
 BONJOUR, J.-P. 471-476
 BÖNNER, G. 47-51
 BOOBIS, S. 445-449

 BOOMSMa, F. 169-174
 BRAJKOVICH, I.E. 119-121
 BREUER, N.F. 641-648
 BREWER, D.B. 751-756
 BRINDLEY, D.N. 129-133
 BRITTON, K.E. 385-389
 BROWN, C. 605-610
 BROWN, M.J. 159-162, 585-590, 591-598
 BROWN, M.R. 653-656
 BULL, J. 441-444
 BURKINSHAW, L. 457-462
 BUTKUS, A. 111-113
 BUTLER, D.G. 29-34

 CALDARA, R. 187-190
 CAMPBELL, I.W. 581-584
 CATTO, G.R.D. 723-727
 CHARLES, T.J. 151-157
 CHILDERS, J.W. 191-199
 CLAMP, J.R. 229-234
 CLARK, T.J.H. 85-90
 CLARKE, B.F. 581-584
 COCHRANE, G.M. 693-702
 COGHLAN, J.P. 111-113
 COLLIS, M.G. 281-286
 COMIN, E.J. 765-771
 COPE, G.F. 423-428
 CORBETT, C.L. 773-780
 CORRALL, R.J.M. 245-247
 COSTA, F.V. 181-186
 CROSSIGNANI, R.M. 187-190
 CROXATTO, H.R. 241-243
 CUDWORTH, A.G. 1-5
 CUNNINGHAM, J. 69-73

 DAVIES, C.T.M. 627-639
 DAWSON-HUGHES, B.F. 527-534
 DEEG, M. 47-51
 DE LEON, R.S. 119-121
 DENTON, D.A. 111-113
 DENTON, R.M. 135-140
 DÉRIAZ, O. 345-347
 DERKX, F.H.M. 15-21
 DESGRANGES, F. 207-215
 DHINGRA, S. 781-784
 DLUHY, R.G. 527-534
 DOLLERY, C.T. 585-590
 DOUGLAS, N.J. 581-584

 DOWLING, R.H. 641-648
 DÜSING, R. 61-67

 EDMONDS, C.J. 257-263
 EDWARD, N. 723-727
 EDWARDS, C.R.W. 201-206
 EDWARDS, R.H.T. 627-639
 EGGENA, P. 671-678
 EISMAN, J.A. 53-59, 471-476
 ELIAS, M.M. 765-771
 ELLIOTT, H. 729-735
 EMERY, C.J. 569-580
 EWING, D.J. 581-584

 FAIRNEY, A. 649-651
 FEIG, P.U. 23-28
 FEINFELD, D.A. 123-125
 FEINROTH, M. 605-610
 FEINROTH, M.V. 605-610
 FELLENIUS, E. 299-305
 FERN, E.B. 217-228
 FERNANDES, M. 685-691
 FERRARI, A. 505-509
 FERRARI, C. 187-190
 FINBERG, J.P.M. 535-539
 FITTINGOFF, D.B. 107-110
 FLEISCH, H. 471-476
 FLEISCHNER, G. M. 123-125
 FLENLEY, D.C. 581-584
 FORSLING, M.L. 407-415
 FRASER, G. 229-234
 FRASER, R. 417-422
 FRAYN, K.N. 789-791
 FREARSON, N. 141-149
 FRIEDMAN, E.A. 605-610
 FRIER, B.M. 245-247
 FRIGGI, A. 273-279
 FUKUCHI, S. 249-251

 GALE, E.A.M. 463-469
 GALEAZZI, S. 765-771
 GALL, D.G. 29-34
 GAMBLES, S.A. 429-439
 GAMLEN, T.R. 235-240
 GARAY, E.A.R. 765-771
 GARDINER, S.M. 511-519
 GARDNER, M.L.G. 717-722
 GARLICK, P.J. 217-228
 GELMAN, J.S. 521-526
 GHATEL, M.A. 653-656
 GILMORE, I.T. 325-330

- GLÄNZER, K. 61-67
 GODDARD, B.A. 339-343
 GOLDBERG, E. 451-455
 GOLUB, M.S. 107-110
 GOODWIN, F.J. 69-73
 GORDON, D. 407-415
 GREEN, J.H. 463-469
 GREGORINI, L. 505-509
 GREKIN, R. J. 493-496
 GRIMBY, G. 35-42
 GRIMES, A.J. 43-46
 GROSS, F. 47-51, 295-298
 GRUENEWALD, S.M. 385-389
 GUINDI, G. 163-167
 GÜLLNER, H.-G. 785-787
 GUPTA, V.J. 743-749
 GUTTERIDGE, J.M.C. 483-486
 GUZZO, J. 23-28
 GVOZDANOVIC, D. 723-727
 GVOZDANOVIC, S. 723-727
- HAINES, A.P. 317-324
 HALL, N.D. 483-486
 HALLIDAY, D. 627-639
 HALLIWELL, B. 483-486
 HAMILTON, J.R. 29-34
 HANCOCK, K.W. 423-428
 HANDA, M. 175-180
 HANLEY, J. 653-656
 HANNIGAN, B. 441-444
 HARDY, K.J. 111-113
 HARKNESS, R.A. 757-764
 HARRIS, V. 785-787
 HARTLEY, J.P.R. 151-157
 HARTLEY, R.E. 445-449
 HATA, S. 249-251
 HAVEL, R.J. 611-613
 HELLER, R.F. 649-651
 HERRMANN, R. 61-67
 HESSAN, H. 685-691
 HIGENBOTTAM, T. 163-167
 HILTON, P.J. 307-312, 313-316
 HOFFMAN, J.I.E. 657-662
 HOFMAN, A. 169-174
 HOLLENBERG, N.K. 527-534
 HOLLY, J.M.P. 69-73
 HOMMA, I. 599-603
 HOPWOOD, J.J. 729-735
 HOWELL, J.B.L. 339-343
 HULLIN, R.P. 793-795
 HULTÉN, B. 35-42
 HUSTON, G. 201-206
- IBELS, L.S. 621-626
 INGLIS, G.C. 417-422
- JAMES, V.H.T. 407-415, 649-651
 JEEVANANDAM, M. 349-350
 JENNER, D.A. 585-590, 591-598
 JENNINGS, G.L. 521-526
 JOHNSTON, C.I. 75-83, 663-670
 JONES, N.F. 43-46, 331-338
 JONES, R.B. 307-312, 313-316
- KAGEYAMA, S. 599-603
 KEDDIE, J.R. 281-286
 KEELING, P.W.N. 441-444
 KIM, K.E. 685-691
 KONDO, K. 175-180
 KORNER, P.I. 521-526, 663-670
 KRALL, J.F. 671-678
 KRAMER, H.J. 61-67
 KRYWAWYCH, S. 627-639
 KUBOW, S. 451-455
- LARKINS, R.G. 53-59
 LAWRENCE, G.M. 751-756
 LAYWARD, E. 235-240
 LEE, K.E. 487-491
 LEE, M.R. 423-428
 LEE, S.P. 253-256
 LEONETTI, G. 505-509
 LEWIS, B. 649-651
 LEWIS, J.A. 429-439
 LIARD, J.F. 345-347
 LITTLE, R.A. 789-791
 LONG, R.G. 653-656
 LUCK, P. 559-567
 LUNDBORG, P. 299-305
- MACDONALD, I.A. 463-469
 MAGNANI, B. 181-186
 MANCIA, G. 505-509
 MANSELL, M.A. 43-46, 757-764
 MARIGOLD, J.H. 325-330
 MARIN-GREZ, M. 47-51
 MARSH, M.N. 497-503
 MARSHALL, D.H. 477-481
 MARTIN, V.I. 201-206
 MASHITER, K. 119-121
 MASSON, M. 207-215
 MATTHEWS, P. G. 75-83
 MCCORMACK, J.G. 135-140
 MCDougALL, J.G. 111-113, 541-551
 McGRATH, B.P. 75-83
- McGUIRE, M.B. 703-710, 711-716
 McNICOL, G.P. 91-95
 McNURLAN, M.A. 217-228
 McTAGGART, F. 235-240
 MILLAR, J.A. 75-83
 MILLER, N.E. 649-651
 MILLWARD, D.J. 627-639
 MILMER, K.E. 511-519
 MIR, M.A. 391-397
 MIZUNO, K. 249-251
 MONCADA, S. 369-372
 MONIE, R.D.H. 151-157
 MONTEBUGNOLI, L. 181-186
 MOORE, T.J. 527-534
 MORGAN, D.B. 457-462, 793-795
 MORTON, J.J. 417-422
 MOSS, S. 407-415
 MUIRHEAD, N. 723-727
 MÜLLER, A. 115-118
 MULLER, D.P.R. 235-240
 MUNDAY, K.A. 679-684
 MURPHY, G. 703-710, 711-716
 MURRAY, C.E. 737-741
- NAGAI, T. 509-603
 NAWAZ, M.K. 385-389
 NIMMON, C.C. 385-389
 NOBLE, A.R. 679-684
 NORDIN, B.E.C. 477-481
 NORTH, M.E. 757-764
- ÖSTMAN-SMITH, I. 265-272
 OVERLACK, A. 61-67
- PADFIELD, P.L. 493-496
 PAPAGEORGIOU, A. 207-215
 PARATI, G. 505-509
 PASSINGHAM, B.J. 399-405
 PATRICK, J. 307-312, 313-316
 PAYNE, J. 163-167
 PEART, W.S. 407-415
 PEDERSEN, E.B. 373-378
 PENCHARZ, P.B. 207-215
 PENNEY, M.D. 793-795
 PERDUE, M. 29-34
 PERKINS, C.M. 423-428
 PERRY, S.V. 141-149
 PLUMB, J.A. 717-722
 PONCE, J. 115-118
 POULSEN, K. 373-378
 PRIOR, J.G. 693-702
 PRITCHARD, J.L. 245-247

Volume 61

SUBJECT INDEX

First and last page numbers of papers to which entries refer are given.

Page numbers marked with an asterisk refer to Editorial Reviews.

- Absorption, intestinal
bile salt effects 641-648
calcium 477-481, 723-727
water 717-722
- Absorption, renal, unconjugated bilirubin 765-771
- Accidental injury
plasma cortisol 399-405
substrate oxidation 789-791
- Activation analysis, total body nitrogen 457-462
- Adenosine 3':5'-cyclic monophosphate, adrenal response 541-551
- Adenosine 5'-pyrophosphate, muscle glycolysis 331-338
- Adenosine 5'-triphosphate
leucocyte 43-46
muscle glycolysis 331-338
- Adolescence, essential hypertension 169-174
- Adrenal cells, calcium and steroid output 541-551
- Adrenal cortex
calcium and steroids 541-551
hormones 399-405
- Adrenal medulla, catecholamine assay 585-590
- Adrenalectomy, isolation-induced hypertension 511-519
- Adrenaline, assay 585-590, 591-598
- α -Adrenoceptor, liver cell metabolism 135-140*
- β -Adrenoceptor
adaptive cardiac hypertrophy 265-272*
exercise and metabolism 299-305
heart muscle metabolism 135-140*
- Adrenocorticotrophic hormone
aldosterone response 107-110
essential hypertension 107-110
superfused rat adrenal 541-551
- Age, asthma and plasma histamine 151-157
- Aggression-provoked renin 373-378
- Airflow obstruction, vocal cord activity 163-167
- Airways obstruction
arterial pH and PCO_2 693-702
laryngeal function 163-167
- Albumin
accidental injury 399-405
hyperprolactinaemia 119-121
- Alcoholic cirrhosis, zinc 441-444
- Aldosterone
central nervous system control 187-190
essential hypertension 107-110
18-hydroxycorticosterone 201-206
renal kallikrein 47-51, 241-243
sodium depletion 111-113, 191-199, 407-415
superfused adrenal cells 541-551
water and electrolytes 407-415
- Amino acids, renal transplant recipients 743-749
- Ammonia, excretion 217-228
- Amniotic cells, sulphamidase 725-739
- Anaerobic threshold, exercise 7-13*
- Angiotensin
bile-duct ligation 535-539
captopril 75-83, 281-286
renal blood flow 553-557
- Angiotensin II
aldosterone 107-110, 111-113
brain 175-180
sodium intake 527-534
superfused adrenal 541-551
- Angiotensin-converting enzyme
aorta 249-251
captopril 75-83, 97-105
meclofenamate 97-105
phenolamine 97-105
- Anorexia nervosa, cutaneous vasoreactivity 559-567
- Antithrombin III, cod-liver oil supplement 317-324
- Aorta
clonidine 273-279
renin 671-678
- Aortic stenosis 265-272*
- Arachidonic acid 369-372*
- Arginine vasopressin
plasma lithium 793-795
renal prostaglandins 61-67
spontaneous hypertension 295-298
- Arterial baroreceptors, renin 505-509
- Arterial calcification 621-626
- Ascorbic acid, rheumatism 483-486
- Asthma
exercise-induced 151-157
hyperventilation-induced 159-162
- Atherosclerosis 129-133*
- Atopy, exercise-induced asthma 151-157

- RAMPTON, D.S. 641-648
 RASCHER, W. 295-298
 READ, A.E. 229-234
 RECCHIA, M. 187-190
 REES, P.J. 85-90
 RENNIE, M. J. 627-639
 RENSTRÖM, P. 35-42
 REYNOLDS, J.J. 703-710,
 711-716
 RICHARDS, H.K. 679-684
 RIVIER, J.F. 653-656
 ROBLERO, J.S. 241-243
 RODDIS, S.A. 407-415
 ROELANDT, J.T.R.C. 169-
 174
 RUSE, W. 441-444
 RUSSELL, R.G.G. 703-710,
 711-716
- SAKAI, T. 599-603
 SAMBHI, M.P. 671-678
 SANDERS, T.A.B. 317-324
 SARSON, D.I. 653-656
 SARUTA, T. 175-180
 SAVOY, J. 781-784
 SCHALEKAMP, M.A.D.H. 15-
 21, 169-174
 SCHNEIDER, E.G. 191-199
 SCHOUN, J. 345-347
 SCOGGINS, B.A. 111-113
 SEATON, A. 151-157
 SEVER, P.S. 245-247
 SHAHID, S.U. 339-343
 SHAMES, D.M. 611-613
 SHEPHERD, R. W. 29-34
 SIGURDSSON, G. 611-613
 SILVERTON, N.P. 457-462
 SIMMONDS, R.J. 757-764
 SIMONS, L.A. 615-619
- SLADEN, G.E. 641-648
 SMITH, A.J. 287-293
 SMITH, S.A. 379-383
 SMITH, S.E. 379-383
 SMITH, U. 299-305
 SRINIVASAN, D.P. 793-795
 STARK, R.D. 429-439
 STERNS, R.H. 23-28
 STOCKIGT, J.R. 521-526
 STONER, H.B. 789-791
 SUMMERFIELD, J.A. 773-780
 SUTTON, J. 605-610
 SUTTON, J.R. 331-338
 SUZUKI, H. 175-180
 SVENSSON, L. 299-305
 SWAN, A. V. 649-651
 SWARTZ, C. 685-691
 SYROP, H.A. 535-539
- TAIT, J.F. 541-551
 TAIT, S.A.S. 541-551
 TANIGUCHI, I. 599-603
 TAQUINI, A.C. 115-118
 TARTAGNI, F. 181-186
 TAYLOR, C.M. 471-476
 TAYLOR, R.D. 141-149
 TAYLOR, W.H. 151-157
 TELCH, J. 29-34
 TERZOLL, L. 505-509
 THOMAS, R.D. 457-462
 THOMPSON, R.P.H. 325-330,
 441-444
 TINDALL, H. 91-95
 TOEWS, C.J. 331-338
 TOMAS, F.M. 737-741
 TOOKE, J.E. 91-95
 TREBY, D.A. 483-486
 TRECHSEL, U. 471-476
 TREE, M. 417-422
- TSCHOPP, M. 345-347
 TUCK, M.L. 107-110
- UNGER, R.H. 785-787
- VAJA, S.G. 641-648
 VALE, W. 653-656
 VALKENBURG, H.A. 169-174
 VANDENBURG, M.J. 69-73
 VANE, J.R. 369-372
 VERMEULEN, A. 649-651
 VETTER, H. 61-67
 VICKERS, M. 317-324
 VILLAMIL, M.F. 115-118
 VIO, C.P. 241-243
 VON SCHENCK, H. 299-305
- WAKELING, A. 559-567
 WARDLE, E.N. 127
 WARK, J.D. 53-59
 WARNES, D.M. 737-741
 WASSERMAN, K. 7-13
 WATERLOW, J.C. 217-228,
 627-639
 WATTS, R.W.E. 757-764
 WEIDMANN, E. 295-298
 WERNES, P. G. 487-491
 WESTWOOD, A. 151-157
 WILCKEN, D.E.L. 743-749
 WILLIAMS, B.C. 541-551
 WILLIAMS, G.H. 527-534
 WILLIAMS, J.D. 151-157
 WILSON, K.R. 53-59
 WOLF, E. 1-5
 WOLFF, C.B. 693-702
 WONG, P.C. 553-557
 WRIGHT, R.D. 111-113
- ZANCHETTI, A. 505-509
 ZIMMERMAN, B.G. 553-557

Volume 61

SUBJECT INDEX

First and last page numbers of papers to which entries refer are given.

Page numbers marked with an asterisk refer to Editorial Reviews.

- Absorption, intestinal
bile salt effects 641-648
calcium 477-481, 723-727
water 717-722
- Absorption, renal, unconjugated bilirubin 765-771
- Accidental injury
plasma cortisol 399-405
substrate oxidation 789-791
- Activation analysis, total body nitrogen 457-462
- Adenosine 3':5'-cyclic monophosphate, adrenal response 541-551
- Adenosine 5'-pyrophosphate, muscle glycolysis 331-338
- Adenosine 5'-triphosphate
leucocyte 43-46
muscle glycolysis 331-338
- Adolescence, essential hypertension 169-174
- Adrenal cells, calcium and steroid output 541-551
- Adrenal cortex
calcium and steroids 541-551
hormones 399-405
- Adrenal medulla, catecholamine assay 585-590
- Adrenalectomy, isolation-induced hypertension 511-519
- Adrenaline, assay 585-590, 591-598
- α -Adrenoceptor, liver cell metabolism 135-140*
- β -Adrenoceptor
adaptive cardiac hypertrophy 265-272*
exercise and metabolism 299-305
heart muscle metabolism 135-140*
- Adrenocorticotrophic hormone
aldosterone response 107-110
essential hypertension 107-110
superfused rat adrenal 541-551
- Age, asthma and plasma histamine 151-157
- Aggression-provoked renin 373-378
- Airflow obstruction, vocal cord activity 163-167
- Airways obstruction
arterial pH and P_{CO_2} 693-702
laryngeal function 163-167
- Albumin
accidental injury 399-405
hyperprolactinaemia 119-121
- Alcoholic cirrhosis, zinc 441-444
- Aldosterone
central nervous system control 187-190
essential hypertension 107-110
18-hydroxycorticosterone 201-206
renal kallikrein 47-51, 241-243
sodium depletion 111-113, 191-199, 407-415
superfused adrenal cells 541-551
water and electrolytes 407-415
- Amino acids, renal transplant recipients 743-749
- Ammonia, excretion 217-228
- Amniotic cells, sulphamidase 725-739
- Anaerobic threshold, exercise 7-13*
- Angiotensin
bile-duct ligation 535-539
captopril 75-83, 281-286
renal blood flow 553-557
- Angiotensin II
aldosterone 107-110, 111-113
brain 175-180
sodium intake 527-534
superfused adrenal 541-551
- Angiotensin-converting enzyme
aorta 249-251
captopril 75-83, 97-105
meclofenamate 97-105
phenolamine 97-105
- Anorexia nervosa, cutaneous vasoreactivity 559-567
- Antithrombin III, cod-liver oil supplement 317-324
- Aorta
clonidine 273-279
renin 671-678
- Aortic stenosis 265-272*
- Arachidonic acid 369-372*
- Arginine vasopressin
plasma lithium 793-795
renal prostaglandins 61-67
spontaneous hypertension 295-298
- Arterial baroreceptors, renin 505-509
- Arterial calcification 621-626
- Ascorbic acid, rheumatism 483-486
- Asthma
exercise-induced 151-157
hyperventilation-induced 159-162
- Atherosclerosis 129-133*
- Atopy, exercise-induced asthma 151-157

- RAMPTON, D.S. 641-648
 RASCHER, W. 295-298
 READ, A.E. 229-234
 RECCHIA, M. 187-190
 REES, P.J. 85-90
 RENNIE, M. J. 627-639
 RENSTRÖM, P. 35-42
 REYNOLDS, J.J. 703-710,
 711-716
 RICHARDS, H.K. 679-684
 RIVIER, J.F. 653-656
 ROBLERO, J.S. 241-243
 RODDIS, S.A. 407-415
 ROELANDT, J.T.R.C. 169-
 174
 RUSE, W. 441-444
 RUSSELL, R.G.G. 703-710,
 711-716
- SAKAI, T. 599-603
 SAMBHI, M.P. 671-678
 SANDERS, T.A.B. 317-324
 SARSON, D.I. 653-656
 SARUTA, T. 175-180
 SAVOY, J. 781-784
 SCHALEKAMP, M.A.D.H. 15-
 21, 169-174
 SCHNEIDER, E.G. 191-199
 SCHOUN, J. 345-347
 SCOGGINS, B.A. 111-113
 SEATON, A. 151-157
 SEVER, P.S. 245-247
 SHAHID, S.U. 339-343
 SHAMES, D.M. 611-613
 SHEPHERD, R. W. 29-34
 SIGURDSSON, G. 611-613
 SILVERTON, N.P. 457-462
 SIMMONDS, R.J. 757-764
 SIMONS, L.A. 615-619
- SLADEN, G.E. 641-648
 SMITH, A.J. 287-293
 SMITH, S.A. 379-383
 SMITH, S.E. 379-383
 SMITH, U. 299-305
 SRINIVASAN, D.P. 793-795
 STARK, R.D. 429-439
 STERNS, R.H. 23-28
 STOCKIGT, J.R. 521-526
 STONER, H.B. 789-791
 SUMMERFIELD, J.A. 773-780
 SUTTON, J. 605-610
 SUTTON, J.R. 331-338
 SUZUKI, H. 175-180
 SVENSSON, L. 299-305
 SWAN, A. V. 649-651
 SWARTZ, C. 685-691
 SYROP, H.A. 535-539
- TAIT, J.F. 541-551
 TAIT, S.A.S. 541-551
 TANIGUCHI, I. 599-603
 TAQUINI, A.C. 115-118
 TARTAGNI, F. 181-186
 TAYLOR, C.M. 471-476
 TAYLOR, R.D. 141-149
 TAYLOR, W.H. 151-157
 TELCH, J. 29-34
 TERZOLL, L. 505-509
 THOMAS, R.D. 457-462
 THOMPSON, R.P.H. 325-330,
 441-444
 TINDALL, H. 91-95
 TOEWS, C.J. 331-338
 TOMAS, F.M. 737-741
 TOOKE, J.E. 91-95
 TREBY, D.A. 483-486
 TRECHSEL, U. 471-476
 TREE, M. 417-422
- TSCHOPP, M. 345-347
 TUCK, M.L. 107-110
- UNGER, R.H. 785-787
- VAJA, S.G. 641-648
 VALE, W. 653-656
 VALKENBURG, H.A. 169-174
 VANDENBURG, M.J. 69-73
 VANE, J.R. 369-372
 VERMEULEN, A. 649-651
 VETTER, H. 61-67
 VICKERS, M. 317-324
 VILLAMIL, M.F. 115-118
 VIO, C.P. 241-243
 VON SCHENCK, H. 299-305
- WAKELING, A. 559-567
 WARDLE, E.N. 127
 WARK, J.D. 53-59
 WARNES, D.M. 737-741
 WASSERMAN, K. 7-13
 WATERLOW, J.C. 217-228,
 627-639
 WATTS, R.W.E. 757-764
 WEIDMANN, E. 295-298
 WERNES, P. G. 487-491
 WESTWOOD, A. 151-157
 WILCKEN, D.E.L. 743-749
 WILLIAMS, B.C. 541-551
 WILLIAMS, G.H. 527-534
 WILLIAMS, J.D. 151-157
 WILSON, K.R. 53-59
 WOLF, E. 1-5
 WOLFF, C.B. 693-702
 WONG, P.C. 553-557
 WRIGHT, R.D. 111-113
- ZANCHETTI, A. 505-509
 ZIMMERMAN, B.G. 553-557

- Atrophy, leg injury 35–42
Autonomic function 379–383
- Baroreceptor reflex
arterial renin 505–509
vasopressin 345–347
- Bile acids
clearance 325–330
renal tubular secretion 773–780
- Bile-duct ligation, dogs 535–539
- Bile salts,
changes in colon 641–648
- Bilirubin, kidney cell membranes 765–771
- Blood flow
hand, anorexia nervosa 559–567
renal 385–389, 553–557
- Blood pressure
adolescence 169–174
bile-duct ligation 535–539
brain isorenin–angiotensin system 175–180
- Blood volume, hypertension 685–691
- Body composition, nitrogen 457–462
- Body fluid volumes, hypertension 685–691
- Body temperature, anorexia nervosa 559–567
- Bradykinin
captopril 75–83, 281–286
radioimmunoassay 241–243
- Brain, iso-renin–angiotensin system 175–180
- Breathing
control 693–702, 781–784
pattern, cigarette smoking 85–90
pulmonary fibrosis 781–784
- Breathlessness, assessment 429–439
- Bronchitis, arterial PCO_2 and pH 693–702
- Caeruloplasmin, rheumatism 483–486
- Calcium
absorption 477–481, 723–727
metabolism 541–551
mitochondrial metabolism 135–140*
vitamin D 471–476
- Calcium oxalate monohydrate, urinary 487–491
- Calorimetry, indirect 789–791
- γ -Camera technique, intrarenal blood flow 385–389
- Capillary pressure, oral contraceptive pill 91–95
- Captopril
adrenergic vasoconstriction 281–286
brain iso-renin–angiotensin system 175–180
organ blood flow 97–105
sodium nitroprusside 521–526
- Carbidopa, plasma renin activity 187–190
- Carbohydrate metabolism 299–305
- Carbon dioxide
breathlessness 429–439
diabetic neuropathy 599–603
respiratory oscillations 693–702
retention 693–702
- Cardiac hypertrophy 265–272*
- Cardiac index, adolescence 169–174
- Cardiac output 663–670
- Cardiopulmonary receptors 505–509
- Carotid sinus reflex 505–509
- Cartilage, collagenase 711–716
- Catalase, caeruloplasmin 483–486
- Catecholamines
adrenal assay 585–590
brain 187–190
exercise and metabolism 299–305
radioenzymatic assay 591–598
renal transplantation 69–73
- Charcoal, irritant response 85–90
- Chemosensitivity, diabetic neuropathy 599–603
- Chloride transfer, intestinal 257–263*
- Cholestasis, bile acid excretion 773–780
- Cholesterol
hepatic fibrogenesis 253–256
synthesis 615–619
- Cholesterol 7α -mono-oxygenase 615–619
- Cigarette smoke, breathing pattern 85–90
- Circulation, exercise 7–13*
- Cirrhosis, liver 535–539
- Clonidine, aorta 273–279
- Clotting factors, cod-liver oil supplementation 317–324
- Coarctation 265–272*
- Cold, cutaneous vasoreactivity 559–567
- Collagen, hepatic fibrogenesis 253–256
- Collagenase 703–710, 711–716
- Collagenase inhibitor (TIMP) 703–710, 711–716
- Colon
bile-salt induced changes 641–648
disease 257–263*, 229–234
water and ion transfer 257–263*
- Converting-enzyme inhibition 281–286, 527–534, 553–557
- Coronary heart disease 307–324
- Corticosterone, superfused adrenal cells 541–551
- Creatine phosphate, muscle glycolysis 331–338
- Creatinine excretion
dystrophy 737–741
pregnancy 423–428
- Crohn's disease 229–234
- Cross-correlation 385–389
- Crystal growth, inhibitors 487–491
- Curve subtraction 385–389
- Cysteine–homocysteine mixed disulphide, renal transplant recipients 743–749

- Cystine, renal transplant recipients 743-749
 Cytotoxicity, 5-fluorouracil 712-722
- Deconvolution 385-389
 Dehydrogenases, mitochondrial 135-140*
 Deoxycholic acid 641-648
 Deoxycorticosterone-salt hypertension 115-118
 Deoxyribonucleic acid, intestinal mucosa 717-722
 Desamino-arginine vasopressin 61-67
 Dexamethasone, kidney release 241-243
 Diabetes insipidus, prostaglandins and water balance 61-67
 Diabetes mellitus
 autonomic neuropathy 581-584, 599-603
 lipid metabolism 129-133*
 Diarrhoea, prostaglandins and bile salts 641-648
 Diazepam, breathlessness 429-439
 Diet
 cod-liver oil supplement 317-324
 salt-free 407-415
 1,25-Dihydroxycholecalciferol
 calcium absorption 723-727
 diphosphonate 471-476
 renal tubule production 53-59
 24,25-Dihydroxycholecalciferol, calcium absorption 723-727
 1,25-Dihydroxy-vitamin D₃ *see* 1,25-Dihydroxycholecalciferol
 Diphosphonate *see* Ethane-1-hydroxy-1,1-diphosphonate
 Disaccharide, sulphamidase assay 729-735
 Diuresis
 ileostomy 407-415
 osmotic 47-51
 L-Dopa, plasma renin 187-190
 Dopamine
 plasma 417-422
 urinary, pregnancy 423-428
 Double-isotope assay, catecholamines 591-598
 Duchenne muscular dystrophy 141-149
 Dyspnoea 429-439
 Dystrophic mice, creatinine excretion 737-741
- Elastic loads, respiratory 339-343
 Electrolyte disturbances 391-397, 407-415
 Electromyography, laryngeal intrinsic muscles 163-167
 Emphysema 693-702
 Enzymuria, nephrotoxicity 123-125
 Erythrocytes
 leukaemic 391-397
 lipids 317-324
 purine metabolism 757-764
- Essential fatty acids, coronary heart disease 317-324
 Essential hypertension
 aldosterone 107-110
 body fluid volumes 287-293
 propranolol therapy 107-110
 Ethane-1-hydroxy-1,1-diphosphonate
 1,25-dihydroxycholecalciferol 471-476
 extra-osseous calcification 621-626
 Ethinyloestradiol, activity 127
 Exercise
 β -adrenoceptor blockade 299-305
 breathlessness 429-439
 histamine 151-157, 159-162
 muscle glycogen 35-42
 protein turnover 627-639
 ventilation 7-13*
 Exertional dyspnoea 7-13*
 Exogenous prorenin activators 15-21*
 Expiration, forced, vagal tone 581-584
 Extracellular potassium 307-312
 Extracellular volume, hypertension 685-691
 Extrasystoles 379-383
 Extravascular low-density lipoprotein 611-614
 Extrinsic prorenin activators 15-21*
- Fat oxidation, trauma 789-791
 Feeding pattern, intestinal DNA 717-722
 Fibroblasts, skin, sulphamidase 725-739
 Fibrogenesis, hepatic 253-256
 Flow-resistive loads 339-343
 5-Fluorouracil, intestinal toxicity 717-722
 Folic acid, plasma homocysteine 743-749
 Food intake 217-228
 Foot-process loss 751-756
 Forced expiration, airway vagal tone 581-584
- Gas exchange 7-13*
 Gastrointestinal tract
 hormones 653-656
 immunity 497-503*
 Gentamicin, induced nephrotoxicity 123-125
 Glucocorticoids, triacylglycerol and lipoprotein regulation 129-133*
 Glucose transport, intestinal 29-34
 Glutathione-S-transferase, gentamicin-induced nephrotoxicity 123-125
 Gluten sensitivity 497-503*
 [¹⁵N]Glycine, protein turnover 217-228
 Glycocholic acid, clearance 325-330
 Glycogen, muscle exercise 331-338
 Glycolysis, muscle exercise 331-338
 Glycopolypeptide, colitis 229-234
 Glycoprotein, Crohn's disease 229-234
 Goldblatt hypertension 663-670
 Growth hormone
 prolactin 119-121
 somatostatin 653-656

- Haemodialysis, calcium absorption 723-727
 Haemostasis, dietary cod-liver oil 317-324
 Hand blood flow, anorexia nervosa 559-567
 Heart
 adaptive hypertrophy 265-272*
 arteriovenous difference 585-590
 ischaemia 657-662*
 noradrenaline release 585-590
 Hepatic encephalopathy 451-455
 Hepatic lipase, hyperlipidaemia 235-240
 Hepatitis, zinc extraction 441-444
 High-density lipoprotein
 cholesterol 317-324
 hyperlipidaemia 235-240
 Hippuran, transit-time method 385-389
 Histamine
 asthma 159-162
 postexercise asthma 151-157
 HLA system 1-5*
 Homocysteine, renal transplant recipients 743-749
 Homocystinuria 743-749
 Hormones
 aldosterone 47-51, 111-113, 191-199, 241-243, 407-415
 catecholamines 135-140*, 245-247, 585-590, 591-598
 gastrointestinal 257-263*, 653-656
 growth 119-121, 653-656
 insulin 23-28, 135-140*, 463-469
 sex 649-651
 thyroid 649-651
 vasopressin 135-140*, 175-180, 295-298, 345-347, 493-495
 Human leucocyte system A (HLA) 1-5*
 Hyaluronic acid, depolymerization 483-486
 Hydrocortisone
 accidental injury 399-405
 collagenase production 703-710
 Hydrogen peroxide, synovial fluid 483-486
 Hydroxyapatite, seeded crystal growth 487-491
 18-Hydroxycorticosterone, mineralocorticoid activity 201-206
 Hydroxymethylglutaryl-CoA reductase 615-618
 25-Hydroxy-vitamin D, diphosphonate 471-476
 25-Hydroxy-vitamin D 1 α -hydroxylase, regulation 53-59
 Hyperalbuminaemic proteinuria 751-756
 Hyperkalaemia, acute potassium load 23-28
 Hyperkinetic phase, hypotensive teenagers 169-174
 Hyperlipidaemia 235-240
 Hypernatraemia, aldosterone 191-199
 Hypertension
 adolescence 169-174
 aldosterone 107-110
 body fluid volumes 287-293
 brain iso-renin-angiotensin system 175-180
 cardiac hypertrophy 265-272*
 DOC-salt 115-118
 intralymphocytic sodium 181-186
 isolation-induced 511-519
 renovascular 505-509, 663-670
 Hypertension, experimental
 body fluid volumes 685-691
 renal 663-670
 Hypertrophy, cardiac 265-272*
 Hyperventilation
 asthma 159-162
 inspiratory activity 163-167
 Hypoglycaemia
 central body temperature 245-247
 sympathectomy 463-469
 Hypothermia, hypoglycaemia 463-469
 Hypoxia, perfused lungs 569-580
 Hypozincaemia, pyrogen test 445-449
 Ileostomy 407-415
 Immunity, gastrointestinal cell-mediated 497-503*
 Indocyanine green, clearance 325-330
 Indomethacin
 angiotensin 535-539
 collagenase production 703-710
 colonic prostaglandins 641-648
 vasopressin-induced antidiuresis 493-495
 Infant, protein turnover 207-215
 Inhibitor, collagenase 703-710, 711-716
 Injury,
 atrophy 35-42
 plasma cortisol 399-405
 substrate oxidation 789-791
 Insulin
 hypothermia 463-469
 mitochondrial metabolism 135-140*
 potassium 23-28
 Interstitial fluid volume, essential hypertension 287-293
 Intestinal absorption
 bile salt effects 641-648
 calcium 477-481, 723-727
 water 257-263*, 717-722
 Intestine
 5-fluorouracil toxicity 717-722
 gluten sensitivity 497-503*
 local immunity 497-503*
 water and ionic transfer 257-263*
 Intracellular sodium 313-316
 Ischaemia, myocardial 657-662*

- Isoelectric point, renin 671-678
 Isolation-induced hypertension 511-519
 Isoprenaline
 bile-duct ligation 535-539
 renin secretion 679-684
 Iso-renin-angiotension system, brain 175-180
- Kallikrein**
 isolated kidney release 241-243
 prorenin activator 15-21*
 renal and urinary 47-51, 61-67
- Kassinin, somatostatin release 785-787**
- Kidney**
 arginine vasopressin, lithium 793-795
 blood flow 385-389, 553-557, 663-670
 cell membranes, bilirubin 765-771
 diabetes insipidus 61-67
 dopamine 417-422
 hyperalbuminaemic proteinuria 751-756
 kallikrein release 241-243
 noradrenaline release 585-590
 renin 671-678
 tubular secretion, bile acids 773-780
 water excretion 605-610
- Kidney disease**
 failure, purine metabolism 757-764
 nephrotic syndrome 605-610
- Lactic acidosis, exercise 7-13***
- Leucine, 3-methylbutanal metabolism 451-455**
- Leucocytes**
 ATP, renal failure 43-46
 sulphamidase 725-739
- Leukaemia, myeloid 391-397**
- Ligandin, gentamicin-induced nephrotoxicity 123-125**
- Lipid metabolism 129-133*, 135-140*, 299-305**
- Lipoprotein lipase, hyperlipidaemia 129-133*, 235-240**
- Lipoproteins**
 hepatic 129-133*
 sex and thyroid hormones 649-651
- Lithium, arginine vasopressin 791-793**
- Liver**
 blood flow 325-330
 glycocholic acid 325-330
 lipoprotein metabolism 129-133*
 low-density lipoproteins 611-614
 triacylglycerol synthesis 129-133*
- Liver disease**
 alcoholic cirrhosis 441-444
 cirrhosis 535-539
 fatty liver 129-133*
 fibrogenesis 253-256
 hepatic encephalopathy 451-455
- Low-density lipoprotein, extravascular pool 611-614**
- Lung disease**
 bronchitis 693-702
 pulmonary fibrosis 781-784
- Lymphocytes, sodium 181-186**
- Mannitol, osmotic diuresis 47-51**
- Mast-cell mediators 159-162**
- Meclofenamate, organ blood flow 97-105**
- Metabolism**
 accidental injury 789-790
 β -adrenoceptor blockade 299-305
 nitrogen 217-228, 627-639
 premature neonate 207-215
 protein 207-215, 217-228
 sodium 417-422
- Metallo-proteinase 711-716**
- Methionine, renal transplant recipients 743-749**
- 3-Methylbutanal, metabolism 451-455**
- 3-Methylhistidine 627-639**
- Microcirculation, oral contraceptive pill 91-95**
- Microvascular permeability 685-691**
- Mitochondrial metabolism 135-140***
- Mucopolysaccharidosis type IIIA 725-739**
- Mucus**
 colon damage 641-648
 Crohn's disease 229-234
 glycoproteins 229-234
- Muscle**
 fibre atrophy 35-42
 glycolysis 331-338
 myofibrillar protein 737-741
 posterior crico-arytenoid 163-167
- Muscle mass, creatinine excretion 737-741**
- Myeloid leukaemia, plasma electrolytes 391-397**
- Myocardium, ischaemia 657-662***
- Myofibrillar protein mass, creatinine excretion 737-741**
- Neck-chamber technique 505-509**
- Nephrotic syndrome, water immersion 605-610**
- Nephrotoxicity, glutathione-S-transferase 123-125**
- Neuropeptides, somatostatin release 785-787**
- Nitrogen metabolism 627-639**
- Nitroprusside, sodium hypotension 521-526**
- Noradrenaline**
 assay 585-590, 591-598
 bile-duct ligation 535-539
 captopril 281-286
 cardiac hypertrophy 265-272*
 hypertension 169-174
 hypoglycaemia 245-247

- Obstructive jaundice 535-539
 Oligosaccharide unit 229-234
 Oncotic pressure, hyperprolactinaemia 119-121
 Oral contraception,
 digital microvascular haemodynamics 91-95
 dopamine 423-428
 Organ blood flow, captopril, meclofenamate, phentolamine 97-105
 Osteoarthritis, collagenase 703-710, 711-716
 Ouabain, sodium efflux 391-397
 Oxygen uptake 7-13*
- Peripheral vascular resistance 169-174
 Peritubular cell membranes, kidney 765-771
 pH
 renin 671-678
 respiratory oscillations 693-702
 Phentolamine, organ blood flow 97-105
 β -Phenylethylamine, bile-duct ligation 535-539
 Phosphate depletion, acute uraemia 621-626
 L- α -Phosphatidate phosphohydrolase 129-133*
 Phosphonate, vitamin D 471-476
 Physical exercise 299-305
 Pituitary tumour, hyperprolactinaemia 119-121
 Plasma renin activity *see* Renin
 Plasma volume, essential hypertension 287-293
 Plasmin, intrinsic prorenin activator 15-21*
 Platelets
 aggregation 317-324
 function 317-324
 prostacyclin 369-372*
 Potassium
 adrenal calcium and steroids 541-551
 insulin 23-28
 intestinal transfer 257-263*
 thymocytes 307-312
 Pregnancy, urinary dopamine 423-428
 Probucol, plasma cholesterol 615-619
 Prolactin, anabolic effects 119-121
 Promethazine, breathlessness 429-439
 Propranolol, aldosterone 107-110
 Prorenin 15-21*
 Prostacyclin activity 127, 369-372*
 Prostaglandins
 colon 257-263*, 641-648
 diabetes insipidus 61-67
 25-hydroxy-vitamin D₃ metabolism 53-59
 indomethacin 493-495
 synthesis inhibition 97-105
 Protein
 hyperprolactinaemia 119-121
 turnover 207-215, 217-228, 627-639
 Proteinuria, hyperalbuminaemic 751-756
- Pulmonary circulation, chronic hypoxia 569-580
 Pulmonary fibrosis, vagal airway reflexes 781-784
 Pulmonary vascular resistance, chronic hypoxia 569-580
 Purine metabolism, renal failure 757-764
 Pyridoxine, plasma homocysteine 743-749
 Pyrogen, hypozinaemia 445-449
 Radioenzymatic assay, catecholamines 591-598
 Radioimmunoassay, arginine vasopressin 295-298
 Raynaud's phenomenon 559-567
 Rebreathing, ventilatory response 599-603
 Renal artery stenosis, experimental 663-670
 Renal failure
 plasma homocysteine 743-749
 purine metabolism 757-764
 Renal transplantation 69-73
 Renal tubules, 25-hydroxy-vitamin D-1 α -hydroxylase 53-59
 Renin
 aggression-provoked 373-378
 central nervous system 187-190
 hypertension 169-174, 663-670
 ileostomy 407-415
 isoprenaline 679-684
 molecular weight 671-678
 physical characteristics 671-678
 plasma activity 61-67, 175-180, 245-247, 505-509
 prorenin 15-21
 renal transplantation 69-73
 sodium depletion 191-199
 tilting 69-73
 urine 407-415
 Renin-angiotensin-aldosterone system 187-190
 Renin-angiotensin system
 hypotension 521-526
 proteolysis 15-21*
 Renovascular hypertension 505-509
 Respiratory load detection 339-343
 Rheumatoid arthritis, protective scavengers 483-486
 Rheumatoid synovium, collagenase 703-710, 711-716
 R-R interval, standard deviation 379-383
- Sanfilippo syndrome *see* Mucopolysaccharidosis type IIIA
 Saralasin, cerebral ventricle 175-180
 Secretion, intestinal 257-263*
 Seeded crystal growth 487-491
 Serotonin, adrenal steroid output 541-551
 Sex hormones 649-651

- Shivering, hypoglycaemia 463–469
 Sinus arrhythmia 379–383
 Sodium
 angiotensin-converting enzyme 249–251
 deoxycorticosterone–salt hypertension 115–118
 depletion 75–83, 111–113, 191–199
 dopamine 417–422
 hypertension 181–186, 313–316
 intestinal transfer 257–263*
 intralymphocytic 181–186
 ouabain 391–397
 pregnancy 423–428
 thymocytes 307–312
 transport 257–263*, 313–316
 urinary excretion 191–199
 Somatostatin
 growth and gut hormones 653–656
 kassinin and substance P 785–787
 Specific airways conductance 581–584
 SQ 20 881, angiotensin-converting enzyme inhibitor 553–557
 Steatosis 253–256
 Subcellular distribution, angiotensin-converting enzyme 249–251
 Substance P, somatostatin release 785–787
 Sulphamidase, assay in mucopolysaccharidosis type IIIA 725–739
 Superoxide, scavenging 483–486
 Sympathectomy, preganglionic 245–247
 Sympathetic nervous system
 adaptive cardiac hypertrophy 265–272*
 noradrenaline 585–590
 prostaglandins 97–105
 renal denervation 69–73
 Synovial fluid, scavengers in rheumatism 483–486
 Synovium, collagenase 703–710, 711–716
 Tachykinin, somatostatin release 785–787
 Thermoregulation
 anorexia nervosa 559–567
 hypoglycaemia 463–469
 Thrombosis 369–372*
 Thymocytes
 electrolyte transport 307–312
 sodium transport 313–316
 Thyroid hormones 649–651
 Tilting, venous–arterial renin 505–509
 Transcortin, accidental injury 399–405
 Transit time, nephron spectrum 385–389
 Transmissible gastroenteritis 29–34
 Transport
 electrolytes in thymocyte 307–312
 intestinal 29–34, 257–263*
 renal, organic anions 765–771
 sodium in spontaneous hypertension 313–316
 Trauma, substrate oxidation 789–790
 Triacylglycerols
 coronary heart disease 317–324
 hepatic, glucocorticoid regulation 129–133*
 Triglycerides, coronary heart disease 317–324; *see also* Triacylglycerols
 Tubular secretion, kidney, bile acids 773–780
 Tyramine, bile-duct ligation 535–539
 Ulcerative colitis 229–234
 Uraemia
 acute 621–626
 calcium absorption 723–727
 reduced leucocyte ATP 43–46
 Urea excretion 217–228
 Urine composition
 ileostomy 407–415
 nephrotic syndrome 605–610
 protein 141–149
 Vagal reflexes, pulmonary fibrosis 781–784
 Vagus, airways tone 581–584
 Valsalva manoeuvre 379–383, 521–526
 Vascular compliance 569–580
 Vascular disease, plasma homocysteine 743–749
 Vascular reactivity 281–286, 521–526, 569–580
 Vascular smooth muscle 273–279
 Vasopressin
 angiotensin II 175–180
 antidiuresis 295–298, 493–495
 hypertension 295–298
 vertebral circulation 345–347
 Venous occlusion plethysmography 559–567
 Ventilation
 breathlessness 429–439
 diabetic neuropathy 599–603
 pulmonary fibrosis 781–784
 Viral enteritis 29–34
 Vitamin A, cod-liver oil supplement 317–324
 Vitamin D, diphosphonate 471–476
 Vitamin D₃ metabolites, calcium absorption 723–727
 Water immersion, nephrotic syndrome 605–610
 Water
 intestinal transport 257–263*
 renal handling 605–610
 Whole-body radioactivity counting 457–462
 Zinc, hepatointestinal extraction 441–444