

Molecular Aspects
Contents of Volume 185, No. 3, 1980

Proteins

The chemical composition of bovine vitreous-humour collagen fibres	D. A. SWANN & S. S. SOTMAN	545-554
Messenger ribonucleic acids from pig intestinal mucosa direct synthesis of calcium-binding protein in a cell-free translation system	H. MELLERSH, S. TOMLINSON & A. POLLOCK	601-607
Amino acid sequences C-terminal to the cross-links in bovine elastin	K. M. BAIG, M. VLAOVIC & R. A. ANWAR	611-616
A biochemical comparison of normal human liver and hepatocellular carcinoma ferritins	S. BULLOCK, A. BOMFORD & R. WILLIAMS	639-645
Purification of <i>Torpedo californica</i> post-synaptic membranes and fractionation of their constituent proteins	J. ELLIOTT, S. G. BLANCHARD, W. WU, J. MILLER, C. D. STRADER, P. HARTIG, H.-P. MOORE, J. RACS & M. A. RAFTERY	667-677
Unoccupied nuclear oestradiol-receptor sites in normal human endometrium	C. LÉVY, R. MORTEL, B. EYCHENNE, P. ROBEL & E.-E. BAULIEU	733-738
The preparation of calmodulins from barley (<i>Hordeum sp.</i>) and Basidiomycete fungi	R. J. A. GRAND, A. C. NAIRN & S. V. PERRY	755-760
Poly(ADP-ribose) polymerase from Ehrlich ascites-tumour cells. Amino acid composition, N-terminal analysis and chemical cleavage of the purified protein	J. HOLTLUND, T. KRISTENSEN & K. SLETTEN	779-782

Nucleic Acids

Alkylation by 1,2:5,6-dianhydrogalactitol of deoxyribonucleic acid and guanosine	E. INSTITÓRIS & J. TAMÁS	659-666
--	--------------------------	---------

Lipids

Ubiquinones have surface-active properties suited to transport electrons and protons across membranes	P. J. QUINN & M. A. ESFAHANI	715-722
Enzymic hydrolysis of sphingomyelin in the presence of bile salts	S. YEDGAR & S. GATT	749-754

Carbohydrates

Extraction and characterization of proteoglycan from human meniscus	D. McNICOL & P. J. ROUGHLEY	705-713
---	-----------------------------	---------

Small Molecules

Isolation, characterization and seasonal variations in the concentration of <i>N^e(γ-glutamyl)-lysine isodipeptide</i> in the blood plasma of the winter flounder (<i>Pseudopleuronectes americanus</i>)	E. J. SQUIRES & L. A. W. FELTHAM	761-766
--	----------------------------------	---------

Enzymology

An adenosine triphosphate-dependent carbamoylphosphate-3-hydroxymethylcephem- <i>O</i> -carbamoyltransferase from <i>Streptomyces clavuligerus</i>	S. J. BREWER, P. M. TAYLOR & M. K. TURNER	555-564
The isolation and preliminary characterization of <i>N</i> -acetyl-D-glucosamine kinase from rat kidney and liver	M. B. ALLEN & D. G. WALKER	565-575
Kinetic characterization of <i>N</i> -acetyl-D-glucosamine kinase from rat liver and kidney	M. B. ALLEN & D. G. WALKER	577-582
Interaction of activating protein and surfactants with human liver hexosaminidase A and G _{M2} ganglioside	P. HECHTMAN & K. KACHRA	583-591

The use of arginine analogues for investigating the functional organization of the arginine-binding site in lobster muscle arginine kinase. Role of the 'essential' thiol group	D. C. WATTS, E. O. ANOSIKE, B. MORELAND, R. J. POLLITT & C. R. LEE	593-599
Graphical determination of pK values of the active-site groups of enzymes. An analysis of the bell-shaped curves	O. PARKASH & I. S. BHATIA	609-610
Comparison of bone and osteosarcoma adenylate cyclase. Partial purification of membranes and kinetic properties of enzyme	S. B. RODAN, J. J. EGAN, E. E. GOLUB & G. A. RODAN	617-627
Comparison of bone and osteosarcoma adenylate cyclase. Effects of Mg ²⁺ , Ca ²⁺ , ATP ⁴⁻ and HATP ³⁻ in the assay mixture	S. B. RODAN, E. E. GOLUB, J. J. EGAN & G. A. RODAN	629-637
Pathways in the activation of human coagulation factor X	K. MERTENS & R. M. BERTINA	647-658
Properties of freshly purified and thiol-treated spinach chloroplast fructose bisphosphatase	S. A. CHARLES & B. HALLIWELL	689-693
Venom from the snake <i>Bothrops asper</i> Garman. Purification and characterization of three phospholipases A ₂	A. C. ALAGÓN, R. R. MOLINAR, L. D. POSSANI, P. L. FLETCHER, JR., J. E. CRONAN, JR. & J. Z. JULIA H. WEINTRAUB, E.-E. BAULIEU & A. ALFSEN	695-704
Influence of the position of the double bond in steroid substrates on the efficiency of the proton-transfer reaction by <i>Pseudomonas testosteroni</i> 3-oxo steroid Δ ⁴ -Δ ⁵ -isomerase	B. CLOTHIER & M. K. JOHNSON	723-732
Reactivation and aging of neurotoxic esterase inhibited by a variety of organophosphorus esters	J. P. G. MALTHOUSE, S. GUTTERIDGE & R. C. BRAY	739-747
Rapid type 2 molybdenum(V) electron-paramagnetic resonance signals from xanthine oxidase and the structure of the active centre of the enzyme	S. G. WALEY	771-773
Kinetics of suicide substrates	M. R. PURNELL & W. J. D. WHISH	775-777
Novel inhibitors of poly(ADP-ribose) synthetase	A. B. GAAL & H. Y. NEUJAHR	783-786
Maleylacetate reductase from <i>Trichosporon cutaneum</i>	W. E. HARRIS & W. L. STAHL	787-790
Organization of thiol groups of electric-eel electric-organ sodium-plus-potassium ion-stimulated adenosine triphosphatase studied with bifunctional reagents	A. DAWNAY, C. MCLEAN & W. R. CATTELL	679-687
General Methods		
The development of a radioimmunoassay for Tamm-Horsfall glycoprotein in serum		
INDEXES		
Author Index		791-792
Subject Index		793-798

Contents of Volume 185, No. 1

Proteins

Fibrinogen-fibrin conversion. The mechanism of fibrin-polymer formation in solution	G. F. SMITH	1-11
Chemical modification of the haem propionate of cytochrome c	R. TIMKOVICH	47-57
Cholic acid binding by glutathione S-transferases from rat liver cytosol	J. D. HAYES, R. C. STRANGE & I. W. PERCY-ROBB	83-87
Comparison of phosphorylation of ribosomal proteins from HeLa and Krebs II ascites-tumour cells by cyclic AMP-dependent and cyclic GMP-dependent protein kinases	O.-G. ISSINGER, H. BEIER, N. SPEICHERMANN, V. FLOKERZI & F. HOFMANN	89-99
Equilibrium-binding studies of pig laryngeal cartilage proteoglycans with hyaluronate oligosaccharide fractions	I. A. NIEDUSZYNSKI, J. K. SHEEHAN, C. F. PHELPS, T. E. HARDINGHAM & H. MUIR	107-114
Immuno-biochemical studies of a non-histone chromosomal protein in embryonic and mature chick oviduct	C. T. TENG & C. S. TENG	169-175
Identification of cyanogen bromide peptides involved in intermolecular cross-linking of bovine type III collagen	A. C. NICHOLLS & A. J. BAILEY	195-201
Purification and properties of different forms of modeccin, the toxin of <i>Adenia digitata</i> . Separation of subunits with inhibitory and lectin activity	L. BARBIERI, M. ZAMBONI, L. MONTANARO, S. SPERTI & F. STIRPE	203-210
Sensitivity and other factors affecting biospecific desorption in chromatography of proteins. A study by computer simulation	R. J. YON	211-216
Reaction of 1-fluoro-2,4-dinitrobenzene and 2,4,6-trinitrobenzenesulphonic acid with membranes of sarcoplasmic reticulum	D. A. THORLEY-LAWSON & N. M. GREEN	223-226
Purification and characterization of mouse α -lactalbumin and preparation of its antibody	Y. NAGAMATSU & T. OKA	227-237
The amino acid sequence of ferredoxin from <i>Brassica napus</i> (rape)	I. TAKRURI & D. BOULTER	239-243
Labelling of the cyclitol permease in <i>Klebsiella aerogenes</i>	G. REBER, M. ROPARS & J. DESHUSSES	253-257
Properties of the non-specific calcium-binding sites of rabbit skeletal-muscle myosin	J. WIKMAN-COFFELT	265-268
Purification and some properties of a lectin from the fruit juice of the tomato (<i>Lycopersicon esculentum</i>)	D. C. KILPATRICK	269-272
Haemoglobin binding with haptoglobin. Unequivocal demonstration that the β -chains of human haemoglobin bind to haptoglobin	A. L. KAZIM & M. Z. ATASSI	285-287

Nucleic Acids

The isolation and characterization of a sequence-specific endonuclease from <i>Anabaena subcylindrica</i>	S. G. HUGHES, T. BRUCE & K. MURRAY	59-63
The nucleotide sequences recognized by endonucleases <i>AvaI</i> and <i>AvaII</i> from <i>Anabaena variabilis</i>	S. G. HUGHES & K. MURRAY	65-75

Lipids

Lipopolysaccharides of R mutants isolated from <i>Vibrio cholerae</i>	K. HISATSUNE & S. KONDO	77-81
---	-------------------------	-------

Carbohydrates

Factors influencing proteoglycan size in rachitic-chick growth cartilage	P. ROUGHLEY & I. DICKSON	33-39
--	--------------------------	-------

Quantitative analysis of hyaluronate in nanogram amounts The glycoprotein of measles virus. External radioactive labelling of its carbohydrate and partial characterization of the glycopeptide	A. TENGBLAD O. ANTTONEN, M. JOKINEN, A. SALMI, R. VAINIONPÄ & C. G. GAHMBERG	101–105 189–194
Small Molecules		
Metabolism of [¹⁴ C]diethylstilboestrol epoxide by rat liver <i>in vitro</i>	P. H. JELLINCK & J. H. BOWEN	129–137
An accurate and sensitive analysis by high-pressure liquid chromatography of conjugated and unconjugated bilirubin IX- α in various biological fluids	S. ONISHI, S. ITOH, N. KAWADE, K. ISOBE & S. SUGIYAMA	281–284
Enzymology		
Specificity of P2 primary alkylsulphohydrolase induction in the detergent-degrading bacterium <i>Pseudomonas</i> C12B. Effects of alkanesulphonates, alkyl sulphates and other related compounds	J. M. CLOVES, K. S. DODGSON, G. F. WHITE & J. W. FITZGERALD	13–21
Purification and properties of the P2 primary alkylsulphohydrolase of the detergent-degrading bacterium <i>Pseudomonas</i> C12B	J. M. CLOVES, K. S. DODGSON, G. F. WHITE & J. W. FITZGERALD	23–31
The binding of the coenzyme pyridoxal 5'-phosphate and analogues of the substrate-coenzyme complex to tyrosine decarboxylase	A. ORLACCHIO, C. BORRI-VOLTATTORNI & C. TURANO	41–46
Analysis of bilirubin and bilirubin mono- and di-conjugates. Determination of their relative amounts in biological samples	N. BLANCKAERT	115–128
Characterization of the low-temperature intermediates of the reaction of fully reduced soluble cytochrome oxidase with oxygen by electron-paramagnetic-resonance and optical spectroscopy	G. M. CLORE, L.-E. ANDRÉASSON, B. KARLSSON, R. AASA & B. G. MALMSTRÖM	139–154
Characterization of the intermediates in the reaction of mixed-valence-state soluble cytochrome oxidase with oxygen at low temperatures by optical and electron-paramagnetic-resonance spectroscopy	G. M. CLORE, L.-E. ANDRÉASSON, B. KARLSSON, R. AASA & B. G. MALMSTRÖM	155–167
Inhibition of β -lactamase of <i>Bacillus licheniformis</i> 749/C by compound PS-5, a new β -lactam antibiotic	Y. FUKAGAWA, T. TAKEI & T. ISHIKURA	177–185
<i>Appendix:</i> A computer-assisted spectrophotometric enzyme assay. A method for the calculation of K_m and V from a single reaction progress curve by the integrated form of the Lineweaver–Burk plot with particular reference to β -lactamase	Y. FUKAGAWA	186–188
A kinetic method for the study of solvent environments of thiol groups in proteins involving the use of a pair of isomeric reactivity probes and a differential solvent effect. Investigation of the active centre of ficin by using 2,2'- and 4,4'-dipyridyl disulphides as reactivity probes	J. P. G. MALTHOUSE & K. BROCKLEHURST	217–222
Investigation of human erythrocyte superoxide dismutase by ¹ H nuclear-magnetic-resonance spectroscopy	H. A. O. HILL, W.-K. LEE, J. V. BANNISTER & W. H. BANNISTER	245–252
Demonstration and cytosolic location of an endo-N-acetyl- β -D-glucosaminidase activity towards an asialo-N-acetyl-lactosaminic-type substrate in rat liver	R. J. PIERCE, G. SPIK & J. MONTREUIL	261–264
Electrophoretically distinct forms of uridine kinase in the rat. Tissue distribution and age-dependence	J. ABSIL, M. TUUILIE & J.-M. ROUX	273–276
Intermolecular Organization		
DNA-binding specificity of a chromatin non-histone protein fraction of HeLa cells	J. H. J. DUNN, R. M. LYALL, R. C. BRIGGS, A. M. CAMPBELL & S. HNILICA	277–279

Contents of Volume 185, No. 2

Proteins

Granulocyte/macrophage-, megakaryocyte-, eosinophil- and erythroid-colony-stimulating factors produced by mouse spleen cells	A. W. BURGESS, D. METCALF, S. H. M. RUSSELL & N. A. NICOLA	301-314
The organization of NADH dehydrogenase polypeptides in the inner mitochondrial membrane	S. SMITH & C. I. RAGAN	315-326
Isolation of a serum component that stimulates the spreading of cells in culture	J. G. WHATELEY & P. KNOX	349-354
The chemistry of the collagen cross-links. Purification and characterization of cross-linked polymeric peptide material from mature collagen containing unknown amino acids	N. D. LIGHT & A. J. BAILEY	373-381
The isolation, characterization and partial sequences of the chicken erythrocyte non-histone chromosomal proteins HMG14 and HMG17. Comparison with the homologous calf thymus proteins	J. M. WALKER & E. W. JOHNS	383-386
Sequence of the <i>N</i> -terminal half of <i>Bacillus amyloliquefaciens</i> α -amylase	H. CHUNG & F. FRIEDBERG	387-395
A low-molecular-weight inhibitor of the neutral proteinase from rat intestinal smooth muscle	I. T. CARNEY, C. G. CURTIS, J. KAY & N. BIRKET	423-433
Precolicin E1, the major gene product of plasmid-ColE1 deoxyribonucleic acid <i>in vitro</i>	D. H. WATSON	463-471
The distribution of iron between the metal-binding sites of transferrin in human serum	J. WILLIAMS & K. MORETON	483-488
Isoelectric-focusing properties and carbohydrate content of pea (<i>Pisum sativum</i>) legumin	J. A. GATEHOUSE, R. R. D. CROY & D. BOULTER	497-503
An investigation of pyridinoline, a putative collagen cross-link	D. F. ELSDEN, N. D. LIGHT & A. J. BAILEY	531-534

Nucleic Acids

Isolation and preliminary characterization of epithelial-specific messenger ribonucleic acids and their products during embryonic tooth development	M. ZEICHNER-DAVID, B. G. WELIKY & H. C. SLAVKIN	489-496
---	--	---------

Carbohydrates

Partial deglycosylation of blood-group-specific glycoproteins	A. S. R. DONALD	327-337
Isolation and characterization of sulphated mucopolysaccharides from rat leukaemic (RBL-1) basophils	D. D. METCALFE, S. I. WASSERMAN & K. F. AUSTEN	367-372
The relationship between acetyl content and sugar composition in expanding leaves of beech (<i>Fagus sylvatica</i> L.)	J. S. D. BACON	405-409

Small Molecules

Identification of <i>O</i> -acetyl-5-methoxytryptophol in the pineal gland by gas-chromatography-mass spectrometry	I. SMITH, P. FRANCIS, R. M. LEONE & P. E. MULLEN	537-540
--	---	---------

Enzymology

A steady-state kinetic analysis of the fructose 1,6-bisphosphate-activated pyruvate kinase from <i>Carcinus maenas</i> hepatopancreas	I. G. GILES & P. C. POAT	289-299
New relations for activity analysis of associating enzymes	J. C. THOMES, J. ARCHAMBAULT DE VENCAY & R. JULIEN	339-347

Calcium ion-regulated thin filaments from vascular smooth muscle	S. B. MARSTON, R. M. TREVETT & M. WALTERS	355-365
Electron-paramagnetic-resonance parameters of molybdenum(V) in sulphite oxidase from chicken liver	M. T. LAMY, S. GUTTERIDGE & R. C. BRAY	397-403
Mechanistic and stereochemical studies on 3-oxo steroid Δ^4 - Δ^5 -isomerase from human placenta	M. AKHTAR, M. CALDER, T. SMITH & J. N. WRIGHT	411-421
3-Hydroxy-3-methylglutaryl-coenzyme A reductase. A comparison of the modulation <i>in vitro</i> by phosphorylation and dephosphorylation to modulation of enzyme activity by feeding cholesterol- or cholestyramine-supplemented diets	K. A. MITROPOULOS, B. L. KNIGHT & B. E. A. REEVES	435-441
Partial purification and characterization of a novel neutral proteinase from human uterine cervix	A. ITO, H. IHARA & Y. MORI	443-450
Activation and inactivation of phosphoenolpyruvate carboxykinase by ferrous ions	C. H. REYNOLDS	451-454
Purification and properties of α -D-mannosidase from the germinated seeds of <i>Medicago sativa</i> (alfalfa)	A. CURDEL & F. PETEK	455-462
Active-site amino acid residues in γ -glutamyltransferase and the nature of the γ -glutamyl-enzyme bond	J. S. ELCE	473-481
The site of phosphorylation of troponin I in the perfused rabbit heart. The effect of adrenaline	A. J. G. MOIR, R. J. SOLARO & S. V. PERRY	505-513
Partial purification and characterization of a new intracellular β -glucosidase of <i>Trichoderma reesei</i>	M. INGLIN, B. A. FEINBERG & J. R. LOEWENBERG	515-519
The phospholipid-dependence of uridine diphosphate glucuronyltransferase. Temperature-dependence of microsomal enzyme activity (reverse reaction)	J. CUMMINGS, A. B. GRAHAM & G. C. WOOD	521-526
Oxygen kinetics of frozen cytochrome oxidase. The capacity of the oxygen pocket	K. DE FONSEKA & B. CHANCE	527-530
Validity of the jack-knife technique for analysing enzymatic kinetic data	A. CORNISH-BOWDEN & J. T.-F. WONG	535-536
Isoenzymes of membrane-bound β -glucosidase of human spleen	M. YAQOOB & M. CARROLL	541-543

Contents of Volume 185, No. 3

Proteins

The chemical composition of bovine vitreous-humour collagen fibres	D. A. SWANN & S. S. SOTMAN	545-554
Messenger ribonucleic acids from pig intestinal mucosa direct synthesis of calcium-binding protein in a cell-free translation system	H. MELLERSH, S. TOMLINSON & A. POLLOCK	601-607
Amino acid sequences C-terminal to the cross-links in bovine elastin	K. M. BAIG, M. VLAOVIC & R. A. ANWAR	611-616
A biochemical comparison of normal human liver and hepatocellular carcinoma ferritins	S. BULLOCK, A. BOMFORD & R. WILLIAMS	639-645
Purification of <i>Torpedo californica</i> post-synaptic membranes and fractionation of their constituent proteins	J. ELLIOTT, S. G. BLANCHARD, W. WU, J. MILLER, C. D. STRADER, P. HARTIG, H.-P. MOORE, J. RACS & M. A. RAFTERY	667-677
Unoccupied nuclear oestradiol-receptor sites in normal human endometrium	C. LÉVY, R. MORTEL, B. EYCHENNE, P. ROBEL & E.-E. BAULIEU	733-738
The preparation of calmodulins from barley (<i>Hordeum</i> sp.) and Basidiomycete fungi	R. J. A. GRAND, A. C. NAIRN & S. V. PERRY	755-760

Poly(ADP-ribose) polymerase from Ehrlich ascites-tumour cells. Amino acid composition, <i>N</i> -terminal analysis and chemical cleavage of the purified protein	J. HOLTLUND, T. KRISTENSEN & K. SLETTEN	779-782
Nucleic Acids		
Alkylation by 1,2:5,6-dianhydrogalactitol of deoxyribo-nucleic acid and guanosine	E. INSTITÓRIS & J. TAMÁS	659-666
Lipids		
Ubiquonones have surface-active properties suited to transport electrons and protons across membranes	P. J. QUINN & M. A. ESFAHANI	715-722
Enzymic hydrolysis of sphingomyelin in the presence of bile salts	S. YEDGAR & S. GATT	749-754
Carbohydrates		
Extraction and characterization of proteoglycan from human meniscus	D. McNICOL & P. J. ROUGHLEY	705-713
Small Molecules		
Isolation, characterization and seasonal variations in the concentration of <i>N</i> ^ε -(γ -glutamyl)-lysine isodipeptide in the blood plasma of the winter flounder (<i>Pseudopleuronectes americanus</i>)	E. J. SQUIRES & L. A. W. FELTHAM	761-766
Enzymology		
An adenosine triphosphate-dependent carbamoylphosphate-3-hydroxymethylcephem <i>O</i> -carbamoyltransferase from <i>Streptomyces clavuligerus</i>	S. J. BREWER, P. M. TAYLOR & M. K. TURNER	555-564
The isolation and preliminary characterization of <i>N</i> -acetyl-D-glucosamine kinase from rat kidney and liver	M. B. ALLEN & D. G. WALKER	565-575
Kinetic characterization of <i>N</i> -acetyl-D-glucosamine kinase from rat liver and kidney	M. B. ALLEN & D. G. WALKER	577-582
Interaction of activating protein and surfactants with human liver hexosaminidase A and G _{M2} ganglioside	P. HECHTMAN & K. KACHRA	583-591
The use of arginine analogues for investigating the functional organization of the arginine-binding site in lobster muscle arginine kinase. Role of the 'essential' thiol group	D. C. WATTS, E. O. ANOSIKE, B. MORELAND, R. J. POLLITT & C. R. LEE	593-599
Graphical determination of p <i>K</i> values of the active-site groups of enzymes. An analysis of the bell-shaped curves	O. PARKASH & I. S. BHATIA	609-610
Comparison of bone and osteosarcoma adenylate cyclase. Partial purification of membranes and kinetic properties of enzyme	S. B. RODAN, J. J. EGAN, E. E. GOLUB & G. A. RODAN	617-627
Comparison of bone and osteosarcoma adenylate cyclase. Effects of Mg ²⁺ , Ca ²⁺ , ATP ⁴⁻ and HATP ³⁻ in the assay mixture	S. B. RODAN, E. E. GOLUB, J. J. EGAN & G. A. RODAN	629-637
Pathways in the activation of human coagulation factor X	K. MERTENS & R. M. BERTINA	647-658
Properties of freshly purified and thiol-treated spinach chloroplast fructase bisphosphatase	S. A. CHARLES & B. HALLIWELL	689-693
Venom from the snake <i>Bothrops asper</i> Garman. Purification and characterization of three phospholipases A ₂	A. C. ALAGÓN, R. R. MOLINAR, L. D. POSSANI, P. L. FLETCHER, JR., J. E. CRONAN, JR. & J. Z. JULIA H. WEINTRAUB, E.-E. BAULIEU & A. ALFSEN	695-704
Influence of the position of the double bond in steroid substrates on the efficiency of the proton-transfer reaction by <i>Pseudomonas testosteroni</i> 3-oxo steroid Δ ⁴ -Δ ⁵ -isomerase	H. WEINTRAUB, E.-E. BAULIEU & A. ALFSEN	723-732
Reactivation and aging of neurotoxic esterase inhibited by a variety of organophosphorus esters	B. CLOTHIER & M. K. JOHNSON	739-747

Rapid type 2 molybdenum(V) electron-paramagnetic resonance signals from xanthine oxidase and the structure of the active centre of the enzyme	J. P. G. MALTHOUSE, S. GUTTERIDGE & R. C. BRAY	767-770
Kinetics of suicide substrates	S. G. WALEY	771-773
Novel inhibitors of poly(ADP-ribose) synthetase	M. R. PURNELL & W. J. D. WHISH	775-777
Maleylacetate reductase from <i>Trichosporon cutaneum</i>	A. B. GAAL & H. Y. NEUJAHR	783-786
Organization of thiol groups of electric-eel electric-organ sodium-plus-potassium ion-stimulated adenosine triphosphatase studied with bifunctional reagents	W. E. HARRIS & W. L. STAHL	787-790
General Methods		
The development of a radioimmunoassay for Tamm-Horsfall glycoprotein in serum	A. DAWNAY, C. MCLEAN & W. R. CATTELL	679-687
INDEXES		
Author Index		791-792
Subject Index		793-798