

AUTHOR INDEX

Acher, R., see J.P.Chauvet	305
Antonini, E., A brief survey of some recent work in protein chemistry	197
Arbogast, B., F.L.Hoch, Iodine content of submitochondrial particles prepared from rat liver by drastic sonication	315
Avron, M., see S.J.D.Karlish	21
Bachmayer, H., see G.Kreil	97
Bachofen, R., H.Lutz, I.Specht-Jürgensen, Synthesis of labelled ATP from ADP and labelled pyrophosphate by spinach chloroplasts	249
Bachofen, R., see I.Specht-Jürgensen	265
Baddiley, J., see L.J.Douglas	114
Baird, J.B., D.T.Elmore, The kinetics of reaction of bovine thrombin with <i>p</i> -nitrophenyl <i>p'</i> -guanidobenzoate and 7-amino-1-chloro-3-toluene- <i>p</i> -sulphonamido-2-butanone: A new method for determining the operational molarity of thrombin solutions	343
Ball, A.J.S., E.R.Tustanoff, The control of mitochondrial enzyme synthesis in yeast: A new hypothesis	255
Barboni, E., see D.Cavallini	272
Bartoš, F., see M.Ledvina	9
Beato, M., see J.Homoki	275
Bennette, J.G., see K.A.Gumaa	125
Blair, J.McD., Metal ions and enzyme equilibria: a mathematical treatment	100
Bock, K.W., V.Gäng, Influence of spermine and histones on a nuclear nucleosidase with ADP-ribose transferase activity in Ehrlich ascites cells	295
Bonsignore, A., A.De Flora, J.Lorenzoni, M.A.Mangiarotti, R.Cancedda, D.Dina, Metabolism of human erythrocyte glucose-6-phosphate dehydrogenase. III — Isolation of a protein involved in the 6-phosphogluconate-induced inactivation	176
Borin, G., see A.M.Tamburro	298
Borová, J., see J.Neuwirt	209
Borst-Pauwels, G.W.F.H., Uptake of 2,4-dinitrophenol by anaerobic yeast cells and its relation to the energy transduction in these cells	252
Brown, B.S., G.R.Whistance, D.R.Threlfall, Studies on α -naphthol as a precursor of microbial menaquinone	323
Brunner, G., W.Neupert, Turnover of outer and inner membrane proteins of rat liver mitochondria	153
Brüstlein, M., P.Hemmerich, Photoreduction of flavocoenzymes by pyruvic acid	335
Bücher, Th., see F.L.Bygrave	42
Bücher, Th., see W.Seibald	235
Bygrave, F.L., Th.Bücher, Synthesis in vivo of the lecithin component of the inner and outer membranes of rat liver mitochondria	42
Callewaert, G.L., R.Shipolini, C.A.Vernon, The disulphide bridges of apamin	111
Cancedda, R., see A.Bonsignore	176
Cavallini, D., S.Dupré, M.T.Graziani, M.G.Tinti, Identification of Pantethinase in horse kidney extract	119
Cavallini, D., R.Scandurra, E.Barboni, M.Marcucci, The inability of thiols to reduce cobalamins in the absence of a metal ion	272

Chapeville, F., see P.Yot	156
Chapeville, F., see D.Paulin	163
Chauvet, J.P., R.Acher, Les hémoglobines des amphibiens: Caractérisation préliminaire des chaînes d'une hémoglobine de la grenouille <i>Rana esculenta</i> (L)	305
Clark, B.F.C., see S.Cory	259
Clark, J.B., see S.Pinder	206
Clegg, R.A., see P.A.Light	4
Cohen, P., M.A.Rosemeyer, The molecular weight and subunit structure of glucose-6-phosphate dehydrogenase from human erythrocytes	147
Collins, G.G.S., M.B.H.Youdim, M.Sandler, Isoenzymes of human and rat liver monamine oxidase	215
Cory, S., S.K.Dube, B.F.C.Clark, K.A.Marcker, Separation of two initiator transfer RNAs from <i>E.coli</i>	259
Courtois, Y., see W.Guschlbauer	183
Csejtey, J., see E.Roboz Einstein	191
Curdell, A., M.Iwatsubo, Biosynthetic incorporation of cobalt into yeast alcohol dehydrogenase	133
Dalziel, K., A kinetic interpretation of the allosteric model of Monod, Wyman and Changeux	346
Dalziel, K., P.C.Engel, Antagonistic homotropic interactions as a possible explanation of coenzyme activation of glutamate dehydrogenase	349
Danielsson, H., see K.A.Mitropoulos	13
Das, M., S.Orrenius, L.Ernster, Y.Gnosspeilus, Stereospecificity of certain reduced nicotinamide-adenine dinucleotide phosphate-linked reactions in rat liver microsomes	89
Davey, K.W., see M.I.Gurr	199
Davidian, N., see R.Penniall	38
Davis, K.A., see G.Kreil	97
Dean, B.M., R.W.E.Watts, W.J.Westwick, Human erythrocyte AMP: pyrophosphate phosphoribosyltransferase (EC 2.4.2.7)	179
Decker, K., see K.Jungermann	74
De Flora, A., see A.Bonsignore	176
Desnuelle, P., see D.Gratecos	117
De Wachter, R., J.-P.Verhassel, W.Fiers, Studies on the bacteriophage MS2. V. The 5'-terminal tetranucleotide sequence of the viral RNA chain	93
Diezel, W., see G.Kopperschlager	137
Diggle, J.H., A.R.Peacocke, Osmotic pressure studies on the association of acid-extracted "histone IIb"	329
Dina, D., see A.Bonsignore	176
Doskočil, J., see V.Pačes	55
Douglas, L.J., J.Baddiley, A lipid intermediate in the biosynthesis of a teichoic acid	114
Dube, S.K., see S.Cory	259
Dupré, S., see D.Cavallini	119
Eddy, A.A., J.S.Woodhead, An alkali-soluble glucan fraction from the cell walls of the yeast <i>Saccharomyces carlsbergensis</i>	67
Einarsson, K., G.Johansson, Effect of actinomycin D and puromycin on the conversion of cholesterol into bile acids in bile fistula rats. Bile acids and steroids	206
Eisele, B., K.Wallenfels, Stereoselective reactivity of the SH groups of yeast glyceraldehydephosphate dehydrogenase in the allosteric T and R states	25
Elmore, D.T., see J.B.Baird	343
Engel, P.C., see K.Dalziel	349
Ernster, L., see M.Das	89
Erratum	196, 268
	355

Fawcett, J.S., Isoelectric fractionation of proteins on polyacrylamide gels	81
FEBS News	122
Felicioli, R.A., see P.L.Ipata	29
Fiers, W., see R. De Wachter	93
Fisher, D., P.W.Kent, Hydrolysis of the glycosidic bonds in β -O-xylosyl-L-serine and β -O-D-xylosyl-L-threonine by enzyme preparations from <i>Helix pomatia</i>	213
Foung, A., A.W.Norman, Evidence for more than one pathway in the formation of purine deoxyribonucleotides	35
Freyer, R., see G. Kopperschläger	137
Frøholm, L.O., see T.Ljones	339
Galliard, T., A.C.Hulme, M.J.C.Rhodes, L.S.C.Wooltorton, Enzymic conversion of linolenic acid to ethylene by extracts of apple fruits	283
Gäng, V., see K.W.Bock	295
Garland, P.B., see P.A.Light	4
Gehring, U., J.I.Harris, Amino acid sequence around the reactive cysteine residues in thiolase	150
Genov, N., M.Shopova, M.Karadžova, Structure of some peptides isolated from chymotryptic digest of dolphin myoglobin	108
Gnosspelius, Y., see M.Das	89
Gounelle, J.C., see Y.Raoul	59
Gratecos, D., P.Desnuelle, On porcine chymotrypsinogen B	117
Graziani, M.T., see D.Cavallini	119
Grivell, L.A., see D.B.Roodyn	166
Gruber, M., see J.Marrink	69
Gueguen, P., see F.Yot	156
Gumaa, K.A., P.McLean, J.G.Bennette, Transient and steady state concentrations of the intermediates of the pentose pathway in Krebs ascites tumour cells metabolising glucose	125
Gumaa, K.A., P.McLean, Effect of insulin and diet on the steady state concentrations of intermediates of the pentose phosphate pathway of glucose metabolism in liver	227
Gurr, M.I., K.W.Davey, A.T.James, "Solubilization" of the stearyl-CoA desaturase of rat liver microsomes	199
Guschlbauer, W., see D.Thiele	173, 353
Guschlbauer, W., Y.Courtois, pH induced changes in optical activity of guanine nucleosides	183
Gustafsson, J.-Å., see L.Starka	269
Halme, J., K.I.Kivirikko, Studies on the stability of protocollagen hydroxylase	223
Hamilton-Miller, J.M.T., Wild type variants of penicillinase from <i>Klebsiella aerogenes</i>	86
Harris, J.I., see U.Gehring	150
Helgeland, L., The ferritin content of the free ribosome fraction isolated from adult male and female rat liver	308
Hensmerich, P., see M.Brütlein	335
Hoch, F.L., see B.Arbogast	315
Hofmann, E., see G.Kopperschläger	137
Holbrook, J.J., see G.Pfleiderer	129
Homoki, J., M.Beato, C.E.Sekeris, 'Paradox' effect of cortisol and actinomycin D on RNA polymerase activity of rat liver nuclei	275
Hulme, A.C., see T.Galliard	283
Hultin, T., see J.S.Roth	16

Ipata, P.L., R.A.Felicioli, A spectrophotometric assay for ribonuclease activity using cytidylyl-(3',5')-adenosine and uridylyl-(3',5')-adenosine as substrates	29
Iwatsubo, M., see A.Curdel	133
Jaenicke, L., see H.Rüdiger	293
James, A.T., see M.I.Gurr	199
Jann, B., see E.Müller-Seitz	311
Jann, K., see E.Müller-Seitz	311
Jeckel, D., see G.Pfleiderer	129
Jerzykowski, T., W.Matuszewski, R.Winter, Partial purification and determination of molecular weights of glyoxalases by filtration on dextran gel	159
Jirka, M., An α_2 -globulin component present in sweat, saliva, tears, human milk, colostrum and cerumen	77
Johansson, G., see K.Einarsson	219
Jungermann, K., R.K.Thauer, J.Wenning, K.Decker, Confirmation of unusual stereochemistry of glutamate biosynthesis in <i>Clostridium kluyveri</i>	74
Kandler, O., see K.H.Schleifer	287
Karadžova, M., see N.Genov	108
Karlish, S.J.D., M.Avron, Dinitrophenol and valinomycin as uncouplers in isolated chloroplasts	21
Kaudewitz, F., see W.Sebald	235
Kent, P.W., see D.Fisher	213
Kivirikko, K.I., see J.Halme	223
Kleitke, B., A.Wollenberger, On the site of synthesis of enzymes tightly bound to mitochondrial structure in rat liver	187
Knowles, J.R., G.B.Wybrandt, The sequence around an active-site aspartyl residue in pepsin	211
Knuppen, R., see L.Starka	269
Köhler, E., H.G.Lippmann, Präparative Darstellung von Uridin-Diphospho-Glucose aus Gewebe	291
Kopperschläger, G., R.Freyer, W.Diezel, E.Hofmann, Some kinetic and molecular properties of yeast phosphofructokinase	137
Kreil, G., H.Bachmayer, K.A.Davis, G.Polz, Isolation of L-lactyl-puromycin from <i>Bacillus subtilis</i> and yeast	97
Krieger, K., see G.Zimmer	142
Krippahl, G., see O.Warburg	171
Kühn, K., see P.Müller	233
Kühn, K., see J.Rauterberg	230
Lagunas, R., A.Sols, Arsenate induced activity of certain enzymes on their dephosphorylated substrates	32
Laland, S., see T.Sand	63
Laland, S.G., see T.Ljones	339
Lanyon, W.G., J.Paul, R.Williamson, The fractionation of ribonucleic acid on a preparative scale by polyacrylamide gel electrophoresis	279
Le Boulch, N., see Y.Raoul	59
Ledvina, M., F.Bartoš, Differences in elastase hydrolysates of elastin from ligamentum nuchae	9
Lehmann, A., see O.Warburg	171
Light, P.A., C.I.Ragan, R.A.Clegg, P.B.Garland, Iron-limited growth of <i>Torulopsis utilis</i> , and the reversible loss of mitochondrial energy conservation at site 1 and of sensitivity to rotenone and Piericidin A	4
Lippmann, H.G., see E.Köhler	291
Ljones, T., O.Vaage, T.L.Zimmer, L.O.Frøholm, S.G.Laland, The presence of protein bound intermediates in the biosynthesis of gramicidin S	339
	357

Lorenzoni, I., see A.Bonsignore	176
Lutz, H., see R.Bachofen	249
Lutz, H., see I.Specht-Jürgensen	265
Malkin, R., B.G.Malmström, T.Vänngård, The requirement of the "non-blue" copper (II) for the activity of fungal laccase	50
Malmström, B.G., see R.Malkin	50
Mangiarotti, M.A., see A.Bonsignore	176
Marchiori, F., see A.M.Tamburro	298
Marcker, K.A., see S.Cory	259
Marco, R., see A.Pestaña	317
Marcucci, M., see D.Cavallini	272
Marks, N., see E.Roboz Einstein	191
Marnay-Gulat, C., see Y.Raoul	59
Marrink, J., M.Gruber, Proteolytic activity at neutral pH in bovine spleen	69
Matuszewski, W., see T.Jerzykowski	159
McArthur, J.N., M.J.H.Smith, Binding of salicylate to albumin	332
McLean, P., see K.A.Gumaa	125
McLean, P., see K.A.Gumaa	227
Messens, E., M.Van Montagu, The synthesis of nucleoside 2'(3')-phosphate 5'-triphosphates	326
Mikulík, K., Isolation and properties of group specific 2-oxoglutarate aminotransferase from <i>Streptomyces noursei</i> 2/9	262
Mitropoulos, K.A., M.Suzuki, N.B.Myant, H.Danielsson, Effects of thyroidectomy and thyroxine treatment on the activity of 12 α -hydroxylase and of some components of microsomal electron transfer chains in rat liver	13
Moczar, M., Mise en évidence d'une liaison aspartamido-glycosaminidique dans les glycoprotéines de structure de l'aorte	169
Moret, V., see L.A.Pinna	244
Müller, P., K.Kühn, The differences between $\alpha 1$ and $\alpha 3$ chains of acid soluble calfskin collagen	233
Müller-Seitz, E., B.Jann, K.Jann, Degradation studies on the lipopolysaccharide from <i>E.coli</i> 071:K?:H12. Separation and investigation of O-specific and core polysaccharides	311
Myant, N.B., see K.A.Mitropoulos	13
Neupert, W., see G.Brunner	153
Neuwirt, J., J.Borová, P.Poňka, The effect of heme and iron on haemoglobin A and F synthesis in human cord blood	209
Norman, A.W., see A.Foung	35
Olbrich, B., see W.Se bald	235
Orrenius, S., see M.Das	89
Ourisson, G., see Y.Raoul	59
Pačes, V., J.Doskočil, F.Šorm, The effect of 5-azacytidine on the synthesis of ribosomes in <i>Escherichia coli</i>	55
Palmer, T.N., B.E.Ryman, W.J.Whe lan, The action pattern of amylomaltase	1, 353
Paul, J., see W.G.Lanyon	279
Paulin, D., P.Yot, F.Chapeville, Enzymatic hydrolysis of N-substituted aminoacyl-tRNA	163
Peacocke, A.R., see J.H.Diggle	329
Penniall, R., N.Davidian, Origin of mitochondrial enzymes I. Cytochrome c synthesis by endoplasmic reticulum	38

Pestaña, A., R.Marco, A.Sols, Allosteric glutaminase in rat liver of likely regulatory significance	317
Pfleiderer, G., J.J.Holbrook, L.Zaki, D.Jeckel, The reactivities of the lysine, cysteine and tyrosine residues of pig heart lactate dehydrogenase in the presence of sulphite	129
Pinder, S., J.B.Clark, The effect of ATP on the synthesis of the nicotinamide nucleotides	206
Pinna, L.A., V.Meret, N.Silliprandi, Isolation and properties of a phosphatase kinase from chick embryo	244
Plapp, R., see K.H.Schleifer	287
Polz, G., see G.Kreil	97
Polka, P., see J.Neuwirt	209
Porteous, J.W., The isolation of purified brush borders from rat small intestine	46
Ragan, C.I., see P.A.Light	4
Raoul, Y., N.Le Boulch, J.C.Gounelle, C.Marnay-Gulat, G.Ourisson, Isolement et caractérisation du cholecalciférol des végétaux supérieurs	59
Rauterberg, J., K.Kühn, Electron microscopic method of ordering the cyanogen bromide peptides of the $\alpha 1$ chain from acid soluble calfskin collagen	230
Rhodes, M.J.C., see T.Galliard	283
Roboz Einstein, E., J.Csejty, N.Marks, Degradation of encephalitogen by purified brain acid proteinase	191
Rocchi, R., see A.M.Tamburro	298
Roodyn, D.B., L.A.Grivell, Heterogeneity of yeast mitochondrial fractions revealed by automated analysis of sucrose gradients	166
Roodyn, D.B., Mitochondrial biogenesis: germ-free mitochondria	203
Rosemeyer, M.A., see P.Cohen	147
Roth, J.S., T.Hultin, Extraction of ribosomal proteins by displacement with protamine	16
Rüdiger, H., L.Jaenicke, Kinetic evidence for an enzyme-bound intermediate in the biosynthesis of methionine	293
Russev, G.C., see R.G.Tsanev	104
Ryman, B.E., see T.N.Palmer	1. 353
Sand, T., J.C.Siebke, S.Laland, Activation of L-ornithine by cell-free extracts of <i>Bacillus brevis</i> catalyzing the synthesis of gramicidin S	63
Sandler, M., see G.G.S.Collins	215
Scandurra, R., see D.Cavallini	272
Scatturin, A., see A.M.Tamburro	298
Schleifer, K.H., R.Plapp, O.Kandler, Glycine as crosslinking bridge in the LL-diaminopimelic acid containing murein of <i>Propionibacterium petersonii</i>	287
Scoffone, E., see A.M.Tamburro	298
Sebald, W., Th.Bücher, B.Ulbrich, F.Kadewitz, Electrophoretic pattern of and amino acid incorporation <i>in vitro</i> into the insoluble mitochondrial protein of <i>Neurospora crassa</i> wild type and mi-1 mutant	235
Sekeris, C.E., see J.Homoki	275
Sela, M., Antibodies: shape, homogeneity, and valency	83
Selwyn, M.J., Mechanism of action of 2,4-dinitrophenol on the soluble ATPase from mitochondria	247
Shipolini, R., see G.L.Callewaert	111
Shopova, M., see N.Genov	108
Siebke, J.C., see T.Sand	63
N.Silliprandi, Isolation	244
Sjöval, J., see L.Starka	269
Smith, M.J.H., see J.N.McArthur	332
Sols, A., see R.Lagunas	32
	359

Sols, A., see A. Pestañá	317
Šorm, F., see V. Páček	55
Specht-Jürgensen, I., see R. Bachofen	249
Specht-Jürgensen, I., H. Lutz, R. Bachofen, Exchange reaction between ATP and labelled pyrophosphate by isolated spinach chloroplasts	265
Starka, L., J.-Å. Gustafsson, J. Sjöval, R. Knuppen, 14 α -Hydroxylation of testosterone and androst-4-ene-3,17-dione in rat liver	269
Suzuki, M., see K. A. Mitropoulos	13
Tamburro, A. M., A. Scatturin, R. Recchi, F. Marchiori, G. Borin, E. Scoffone, Conformational-transitions of bovine pancreatic ribonuclease S-peptide	298
Thauer, R. K., see K. Jungermann	74
Thiele, D., W. Guschlbauer, Evidence for a three stranded complex between poly I and poly C	173, 353
Thorne, C. J. R., Interconversion of the components of rat brain mitochondrial malate dehydrogenase	241
Threlfall, D. R., see B. S. Brown	323
Tinti, M. G., see D. Cavallini	119
Tsanev, R. G., G. C. Russev, Chain length of ribosomal RNA extracted from mammalian cells	104
Tustanoff, E. R., see A. J. S. Ball	255
Vaage, O., see T. Ljones	339
Van den Broek, H. W. J., C. Veeger, Regulation of NADH and NADPH metabolism in <i>Azotobacter vinelandii</i>	301
Van Montagu, M., see E. Messens	326
Vänngård, T., see R. Malkin	50
Veeger, C., see H. W. J. Van den Broek	301
Verhassel, J.-P., see R. De Wachter	93
Vernon, C. A., see G. L. Callewaert	111
Wallenfels, K., see B. Eisele	25
Warburg, O., G. Krippahl, A. Lehmann, Metaphosphate and aerobic CO ₂ in <i>Chlorella</i>	171
Watts, R. W. E., see B. M. Dean	179
Wenning, J., see K. Jungermann	74
Westwick, W. J., see B. M. Dean	179
Whelan, W. J., see T. N. Palmer	1, 353
Whistance, G. R., see B. S. Brown	323
Williamson, R., see W. G. Lanyon	279
Winter, R., see T. Jerzykowski	159
Wollenberger, A., see B. Kleitke	187
Woodhead, J. S., see A. A. Eddy	67
Wooltorton, L. S. C., see T. Galliard	283
Wybrandt, G. B., see J. R. Knowles	211
Yot, P., P. Gueguen, F. Chapeville, Hydrolyse des aminoacyl-tARN par la phosphodiesterase du venin	156
Yot, P., see D. Paulin	163
Youdim, M. B. H., see G. G. S. Collins	215
Zaki, L., see G. Pfeleiderer	129
Zimmer, G., K. Kriege, Swelling of rat liver mitochondria with <i>N</i> -(<i>N</i> -acetyl-4-sulphamoylphenyl)-maleimide	142
Zimmer, T. L., see T. Ljones	339