

AUTHOR INDEX OF VOLUME 5

Aas, M., J.Bremer, Activation of propionate in rat kidney	57
Acher, R., see Caffin	196
Agol, V.I., see Scarlat	231
Ahrens, M.-L., G.Maass, P.Schuster, H.Winkler, The kinetic behavior of vitamin-B ₆ compounds hydration and proton transfer	327
Albertsson, P.-Å., see Karlstam	360
Albrecht, J., W.Rozenboom, C.Vermeer, L.Bosch, Factor requirement of formylmethionyl-tRNA binding to <i>E. coli</i> ribosomes programmed with a plant viral RNA or a phage RNA	313
Alkonyi, I., A.Sandor, β -methyl- δ -keto- $\Delta\alpha\beta$ -hexenoic acid and mesityl oxide as acetyl donors in the enzymic synthesis of acetylcholine	338
Ambler, R.P., M.Bruschi, J.Le Gall, The structure of cytochrome <i>c</i> ₃ from <i>Desulfovibrio gigas</i> (NCIB 9332)	115
Ankel, H., see Schutzbach	145
Ansorge, S., see Bohley	233
Apps, D.K., The reaction of pigeon liver NAD kinase with bromoacetyl pyridine	96
Askonas, B.A., see Awdeh	275
Atzpodien, W., see Gancedo	199
Aubry, L., see Rous	351
Awdeh, Z.L., A.R.Williamson, B.A.Askonas, Heavy and light chains of a homogeneous immunoglobulin-G	275
Bacher, A., A.Baur, O.Oltmanns, F.Lingens, Biosynthesis of riboflavin. Mutants accumulating 6-hydroxy-2,4,5-triaminopyrimidine	316
Baur, A., see Bacher	316
Bayev, A.A., see Mirzabekov	218
Bessada, R., see Erdos	161
Bierwagen, B., see Kopperschläger	221
Birkmayer, G.D., Th.Bücher, Ferrochelataze in wild-type and in cytoplasmic mutants of <i>Neurospora crassa</i>	28
Bloomfield, G., G.Sandhu, N.G.Carr, Activation by Hg ²⁺ of acetoacetyl-CoA reductase in extracts of <i>Rhodopseudomonas spheroides</i> and <i>Rhodocrobium vannielii</i>	246
Blumauerová, M., see Mikulík	131
Bohley, P., H.Kirschke, J.Langner, S.Ansorge, Präparative Gewinnung hochgereinigter Lysosomenenzyme aus Rattenlebern	233
Bonini, F., see Rous	351
Bordet, C., M.J.Vacheron, G.Michel, Evolution de la composition lipidique de <i>Nocardia asteroides</i> au cours de la croissance	253
Bosch, L., see Albrecht	313
Brauser, B., see Sies	319
Bray, R.C., Electron paramagnetic resonance in biochemistry	1
Bray, R.C., see Clegg	207
Bremer, J., see Aas	57
Brocklehurst, K., On the mechanism of the α -chymotrypsin-catalysed hydrolysis of 4- <i>cis</i> -benzylidene-2- phenyloxazolin-5-one: evidence for covalent non-productive binding	63
	365

Brunner, A., H.de Robichon-Szulmajster, Allosteric behavior of yeast threonine deaminase under partially inactivating conditions	141
Bruschi, M., see Ambler	115
Bücher, T., see Siés	319
Bücher, Th., see Birkmayer	28
Buchet-Mahieu, J., see Lurquin	265
Buonocore, V., see Marino	347
Caffin, J.P., J.P.Chauvet, R.Acher, Les hémoglobines des amphibiens: séparation et caractérisation préliminaire des chaînes d'une hémoglobine du crapaud <i>Bufo bufo</i>	196
Carmeli, C., Y.Lifschitz, The requirements of adenosine diphosphate for light-triggered ATP-ase and ATP-Pi exchange reactions in chloroplasts	227
Carr, N.G., see Bloomfield	246
Castles, J.J., see Kanai	68
Chauvet, J.P., see Caffin	196
Cheesman, D.F., A.Priston, A.Whitehead, Exchange of actin-bound ADP in frog muscle during activity	41
Clari, G., see Pinna	77
Clauser, H., see Rossignol	107
Clegg, R.A., C.I.Ragan, B.A.Haddock, P.A.Light, P.B.Garland, J.C.Swann, R.C.Bray, Interrelationships between mitochondrial energy conservation at site I, piericidin A sensitivity, and EPR spectra in <i>Torulopsis utilis</i>	207
Codd, G.A., J.M.Lord, M.J.Merrett, The glycollate oxidising enzyme of algae	341
Colleran, E., see O'Carra	295
Creuzet, C., see Loeb	37
Dellweg, H., see John	185
De Pisarev, D.K., see San Martín de Viale	149
De Robichon-Szulmajster, H., see Brunner	141
De Rosa, M., see Marino	347
Deyl, Z., R.Praus, H.Šulcová, J.N.Goldman, Fluorescence of collagen - properties of tyrosine residues and another fluorescent element in calf skin collagen	187
Diederich, A., D.Diederich, J.Luque, S.Grisolia, Binding of 2,3-diphosphoglycerate (2,3 DPGA) to hemoglobin. Isolation of peptides containing firmly bound 2,3 DPGA	7
Diederich, D., see Diederich, A.	7
Diezel, W., see Kopperschlager	221
Drummond, G.S., E.E.Smith, W.J.Whelan, Han Tai, Mechanism of action of pullulanase	85
Durchschlag, H., G.Puchwein, O.Kratky, I.Schuster, K.Kirschner, Erratum	92
Ehrenberg, A., see Walker	237
Eichenberger, W., see Grob	335
Eneroth, P., J.-Å.Gustaffson, Steroids in newborns and infants. Identification of 20,22-dihydroxy-cholesterol from the monosulphate and "disulphate" fractions in human meconium	99
Erdos, T., R.Bessada, J.Fries, Binding of oestradiol to receptor-substances present in extracts from calf uterus	161
Farace, M.G., see Tentori	271

Femfert, U., G.Pfleiderer, Erratum	92
Femfert, U., see Pfleiderer	92
Fielding, P.E., M.R.Lunt, A new deoxyribonuclease activity from bacteria infected with T5 bacteriophage	214
Finch, L.R., see Molloy	211
Fisher, C.E., W.H.Palm, E.M.Press, The N-terminal sequence of a human $\gamma 1$ chain of allotype Gm(a ⁻ f ⁺)	20
Flood, K.M., see Randerath	31
French, D., see Kainuma	257
Fries, J., see Erdos	161
Fujii, K., S.Fukui, Relationship between vitamin B ₁₂ content and ratio of mono-unsaturated fatty acids to methyl-branched fatty acids in <i>Corynebacterium simplex</i> cells grown on hydrocarbons	343
Fukui, S., see Fujii	343
Gaitzkhoki, V.S., see Kuzmina	34
Gancedo, J.M., W.Atzpodien, H.Holzer, Stimulation of the protein-dependent interconversion of two forms of yeast phosphofructokinase by a heat-stable fraction from yeast	199
García, R.C., see San Martín de Viale	149
Garland, P.B., see Clegg	207
Ginevskaya, V.A., see Scarlet	231
Givol, D., Inactivation of glyceraldehyde 3-phosphate dehydrogenase by a bifunctional reagent	153
Goldman, J.N., see Deyl	187
Goldman, R., see Yariv	173
Green, D.E., R.A.Harris, Conformational basis of energy transduction in mitochondria	241
Grimminger, H., F.Lingens, Alternate requirement for pyridoxine or isoleucine in mutants of <i>Escherichia coli</i>	225
Grinstein, M., see San Martín de Viale	149
Grisolia, S., see Diederich	7
Grob, E.C., W.Eichenberger, Ueber die galactolipide und fettsauren in normalen und glucosestimulierten kulturen von <i>Spirodela oligorrhiza</i>	335
Gross, G.G., Evidence for enzyme-substrate intermediates in the aryl-aldehyde: NADP oxidoreductase catalysed reduction of salicylate	177
Gustaffson, J.-Å., see Eneroth	99
Gutman, M., see Walker	237
Haddock, B.A., see Clegg	207
Hamberg, M., Biosynthesis of prostaglandins in the renal medulla of rabbit	127
Hammarström, S., Configuration of 2-hydroxy acids from brain cerebroside determined by gas chromatography	192
Han Tai, see Drummond	85
Harris, E.J., The proton shift across the mitochondrial membrane associated with potassium uptake induced by valinomycin	50
Harris, R.A., see Green	241
Hartman, G.C., E.Reid, Zonal centrifugation studies on labelling patterns of mitochondrial and nuclear DNA in rat liver and hepatoma	180
Heicke, B., B.Schmidt, High-molecular-weight deoxyribonuclease from <i>Verongia aerophoba</i>	165
Heldt, H.W., Adenine nucleotide translocation in spinach chloroplasts	11
Herman, G., see Rossignol	107
Hofmann, E., see Kopperschlager	221
Holt, P.G., I.T.Oliver, Multiple forms of tyrosine aminotransferase in rat liver and their hormonal induction in the neonate	89
Holzer, H., see Gancedo	199
	367

Hornby, W.E., see Ledingham	118
Hyde, J.S., see Walker	237
Idelman, S., see Satre	135
Igarashi, S., W.Paranchych, A new assay method for cell-free polypeptide synthesis using 1-fluoro-2,4-dinitrobenzene	60
Jacobsen, J., Binding of bilirubin to human serum albumin. Determination of the dissociation constants	112
John, M., H.Skrabei, H.Dellweg, Use of polyacrylamide gel columns for the separation of nucleotides	185
Kainuma, K., D.French, Action of pancreatic amylase on starch oligosaccharides containing single glucose side chains	257
Kalb, A.J., see Yariv	173
Kanai, A., see Kanai, K.	68
Kanai, K., J.J.Castles, I.G.Wool; W.S.Stirewalt, A.Kanai, The proteins of liver and muscle ribosomal subunits: partial separation by carboxymethyl-cellulose column chromatography	68
Kanarek, L., see Strosberg	324
Karlstam, B., P.-Å.Albertsson, Demonstration of three classes of spinach chloroplasts by counter-current distribution	360
Katchalski, E., see Yariv	173
Kauss, H., A plant mannosyl-lipid acting in reversible transfer of mannose	81
Kerjan, P., J.Szulmajster, DNA dependent RNA polymerase from vegetative cells and from spores of <i>B.subtilis</i> : III. isolation of a stimulating factor	288
Kirschke, H., see Bohley	233
Kirschner, K., see Durchschlag	92
Kopperschlager, G., W.Diezel, B.Bierwagen, E.Hofmann, Molekulargewichtsbestimmungen durch Polyacrylamid-Gelelektrophorese unter Verwendung eines linearen Gelgradienten	221
Kratky, O., see Durchschlag	92
Kuzmina, S.N., I.B.Zbarsky, N.K.Monakhov, V.S.Gaitzkhoki, S.A.Neifakh, Respiration in isolated rat liver nuclear envelopes	34
Langner, J., see Bohley	233
Ledingham, W.M., W.E.Hornby, The action pattern of water-insoluble α -amylases	118
Le Gall, J., see Ambler	115
Levina, E.S., see Mirzabekov	218
Lifschitz, Y., see Carmeli	227
Light, P.A., see Clegg	207
Lingens, F., see Grimminger	225
Lingens, F., see Bacher	316
Loeb, J.E., C.Creuzet, Electrophoretic comparison of acidic proteins of chromatin from different animal tissues	37
Lord, J.M., see Codd	341
Lunt, M.R., see Fielding	214
Luque, J., see Diederich	7
Lurquin, P., P.Metzger, J.Buchet-Mahieu, Some properties of the leucine-specific tRNA's from <i>Bacillus stearothermophilus</i>	265
Lutstorf, U.M., J.P.von Wartburg, Subunit composition of horse liver alcohol dehydrogenase isoenzymes	202
Lynen, F., see Sumper	45

Maass, G., see Römer	15
Maass, G., see Wintermeyer	23
Maass, G., see Ahrens	327
Mackedonski, V.V., Effect of echinomycin and olivomeycin on RNA synthesis in Ehrlich ascites tumour cells	73
Manchester, K.L., A comment on the role of magnesium in the control of muscle glycogen synthetase kinase	279
Manger, J.R., The effect of triethyltin on mitochondrial ion accumulation	331
Marino, G., M.De Rosa, V.Buonocore, V.Scardi, Characterization by isoelectric focusing of pig heart aspartate aminotransferase	347
Merrett, M.J., see Codd	341
Metzger, P., see Lurquin	265
Metzner, H., Comparative biochemistry of photosynthesis. A report of the Seminar held in Gwatt, Switzerland, 21–26 July 1969	93
Michel, G., see Bordet	253
Mikulil, K., Nguyen Dinh Quyen, Margita Blumauerová, Z.Vaněk, Binding of Aureovocin to ribosomes of <i>Streptomyces aureofaciens</i> B-96	131
Mirzabekov, A.D., E.S.Levina, A.A.Bayev, Hybridization of heterologous fragments of tRNA from yeast, rat liver and <i>E. coli</i>	218
Molloy, A., L.R.Finch, Uridine-5'-monophosphate pyrophosphorylase activity from <i>Escherichia coli</i>	211
Monakhov, N.K., see Kuzmina	34
Moret, V., see Pinna	77
Mudd, J.B., see Panter	169
Neifakh, S.A., see Kuzmina	34
Newsholme, E.A., see Vaughan	124
Nguyen Dinh Quyen, see Mikulil	131
O'Carra, P., E.Colleran, Haem catabolism and coupled oxidation of haemproteins	295
Oliver, I.T., see Holt	89
Oltmanns, O., see Bacher	316
Palm, W.H., see Fisher	20
Panter, R.A., J.B.Mudd, Carnitine levels in some higher plants	169
Paranchych, W., see Igarashi	60
Pfleiderer, G., U.Femfert, Eizratum	92
Pfleiderer, G., see Femfert	92
Pinna, L.A., G.Clari, V.Moret, N.Siliprandi, Isolation and enzymatic phosphorylation of rat liver cytosol phosphoproteins	77
Planta, R.J., see Van 't Riet	249
Praus, R., see Deyl	187
Press, E.M., see Fisher	20
Priston, A., see Cheesman	41
Puchwein, G., see Durchschlag	92
Rabussay, D., W.Zillig, A rifampicin resistant RNA-polymerase from <i>E. coli</i> altered in the β -subunit	104
Ragan, C.I., see Clegg	207
Randerath, E., see Randerath, K.	31
	369

Randerath, K., K.M.Flood, E.Randerath, Analysis of nucleic acid derivatives at the subnanomole level.	
(V) High resolution mapping of tritium labelled RNA derivatives	31
Reid, E., see Hartman	180
Riepertinger, C., see Sumper	45
Riesner, D., see Römer	15
Riesner, D., see Wintermeyer	23
Robinson, B.H., G.R.Williams, The effect of mitochondrial oxidations of inhibitors of the dicarboxylate anion transporting system	301
Robinson, J.W.L., Species differences in the intestinal response to sulphate ions	157
Römer, R., D.Riesner, G.Maass, W.Wintermeyer, R.Thiebe, H.G.Zachau, Cooperative helix-coil transitions in half molecules of phenylalanine specific tRNA from yeast	15
Römer, R., see Wintermeyer	23
Rose, S.P.R., Neurochemical correlates of learning and environmental change	305
Rossignol, B., G.Herman, H.Clauser, The effect of acetylcholine and atropine on the labeling of smooth and rough membranes from ovine submaxillary glands	107
Rous, S., F.Bonini, L.Aubry, Action de l'insuline sur la synthèse des acides gras dans les différentes fractions cellulaires de tissu adipeux blanc de rat in vivo	351
Rozenboom, W., see Albrecht	313
Rutkovskaya, N.O., see Scarlat	231
Saenger, W., D.Suck, K.H.Scheit, Crystal and molecular structure of 3'-O-acetyl-2'-deoxy-4-thiothymidine	262
Salach, J., see Walker	237
Sandhu, G., see Bloomfield	246
Sándor, A., see Alkonyi	338
San Martín de Viale, L.C., R.C.García, D.K.De Pisarev, J.M.Tomio, M.Grinstein, Studies on uroporphyrinogen decarboxylase from chicken erythrocytes	149
Saris, N.-E.L., see Swanljung	299
Satre, M., P.V.Vignais, S.Idelman, Distribution of the steroid 11- β -hydroxylase and the cytochrome P450 in membranes of beef adrenal cortex mitochondria	135
Scardi, V., see Marino	347
Scarlat, I.V., N.O.Rutkovskaya, V.A.Ginevskaya, V.I.Agol, Magnesium-induced errors of translation in a cell-free system from Krebs-II ascites carcinoma cells	231
Scheit, K.H., see Saenger	262
Schmidt, B., see Heicke	165
Schmidt, H., see Schoner	285
Schoner, W., H.Schmidt, Inhibition of (Na ⁺ +K ⁺)-activated ATPase by N,N'-dicyclohexylcarbodiimide	285
Schuster, I., see Durchschlag	92
Schuster, P., see Ahrens	327
Schutzbach, J.S., H.Ankel, Biosynthesis of oligosaccharide components of <i>Cryptococcus laurentii</i> cell wall	145
Segal, S., see Wells	121
Sies, H., B.Brauser, T.Bücher, On the state of mitochondria in perfused liver: action of sodium azide on respiratory carriers and respiration	319
Siliprandi, N., see Pinna	77
Singer, T.P., see Walker	237
Skrabei, H., see John	185
Smith, E.E., see Drummond	85
Sorcini, M., see Tentori	271

Steinert, M., Reversible inhibition of the division of <i>Crithidia luciliae</i> by hydroxyurea and its use for obtaining synchronized cultures	291
Stern, N., see Tietz	92
Stirewalt, W.S., see Kanai	68
Strosberg, A.D., L.Kanarek, Immunochemical studies on hen's egg-white lysozyme. Effect of formylation of the tryptophan residues	324
Suck, D., see Saenger	262
Šulcová, H., see Deyl	187
Sumper, M., C.Riepertinger, F.Lynen, Dissociation and reconstitution of the stable multienzyme complex fatty acid synthetase from yeast	45
Swanljung, P., N.-E.L.Saris, Competitive effect of succinate on glycerol-1-phosphate oxidation in liver mitochondria from thyroxine-treated rats	299
Swann, J.C., see Clegg	207
Szulmajster, J., see Kerjan	288
Tentori, T., G.Vivaldi, M.G.Farace, M.Sorcini, Amino acid composition of soluble tryptic peptides from aminoethylated beta-like chain of <i>Rana esculenta</i> hemoglobin major component	271
Thiebe, R., see Römer	15
Thiebe, R., see Wintermeyer	23
Thomas, D.W., Mass spectrometry of <i>N</i> -permethylated peptide derivatives; artifacts produced by C-methylation	53
Thomas, E.W., see Yariv	173
Tietz, A., N.Stern, Erratum	92
Tomio, J.M., see San Martin de Viale	149
Vacheron, M.J., see Bordet	253
Vaněk, Z., see Mikulí	131
Van 't Riet, J., R.J.Planta, Purification and some properties of the membrane-bound respiratory nitrate reductase of <i>Aerobacter aerogenes</i>	249
Vaughan, H., E.A.Newsholme, The effects of Ca ²⁺ and ADP on the activity of NAD-linked isocitrate dehydrogenase of muscle	124
Vermeer, C., see Albrecht	313
Vignais, P.V., see Satre	135
Vivaldi, G., see Tentori	271
Von Wartburg, J.P., see Lutstorf	202
Walker, W.H., J.Salach, M.Gutman, T.P.Singer, J.S.Hyde, A.Ehrenberg, Endor studies on the covalently bound flavin at the active center of succinate dehydrogenase	237
Wattiaux, R., see Wattiaux-De Coninck	355
Wattiaux-De Coninck, S., R.Wattiaux, Nucleoside diphosphatase in purified preparations of rat liver lysosomes	355
Wells, H.J., S.Segal, Galactose toxicity in the chick; tissue accumulation of galactose and galactitol	121
Whelan, W.J., see Drummond	85
Whitehead, A., see Cheesman	41
Williams, G.R., see Robinson	301
Williamson, A.R., see Awdeh	275
Winkler, H., see Ahrens	327
Wintermeyer, W., see Römer	15
	371

Wintermeyer, W., R.Thiebe, H.G.Zachau, D.Riesner, R.Römer, G.Maass, Association and dissociation of half molecules of phenylalanine specific tRNAs from yeast and wheat germ	23
Wool, I.G., see Kanai	68
Yariv, J., A.J.Kalb, E.Katchalski, R.Goldman, E.W.Thomas, Two locations of the <i>lac</i> permease sulphydryl in the membrane of <i>E. coli</i>	173
Zachau, H.G., see Römer	15
Zachau, H.G., see Wintermeyer	23
Zbarsky, I.B., see Kuzmina	34
Zillig, W., see Rabussay	104