

AUTHOR INDEX

- AHMED, K., J. D. JUDAH AND H. WALL-GREN
(Phosphoproteins and ion transport of cerebral cortex slices). 428
- ALAIS, C., see JOLLÈS, P.
- ALEXIEV, B., see IVANOV, CH.
- ANDERSEN, S. O.
(Characterization of a new type of cross linkage present in resilin, a rubber-like protein) 249
- BACHAWAT, B. K., see SEKHARA VARMA, T. N.
- BAPTIST, J. N., R. K. GHOLSON AND M. J. COON
(Hydrocarbon oxidation by a bacterial enzyme system. I) 40
- BARLOW, G. H. AND L. J. COEN
(Macromolecular properties and biological activity of heparin. II) 509
- BARRY, R. D., see BESCH, P. K.
- BELLO, H. R., see BELLO, J.
- BELLO, J. AND H. R. BELLO
(Cross-linking of collagen and gelatin during acetylation). 562
- BERGAN, J. G., see WOLF, G.
- BERGER, A., see YARON, A.
- BERGMANN, E. D., see WINNICK, T.
- BERNAERTS, M. J., J. FURNELLE AND J. DE LEY
(Preparation of some new disaccharides and D-allose from 3-ketoglycosides). . 322
- BESCH, P. K., D. J. WATSON, N. VORYS AND R. D. BARRY
(Aromatization *in vivo* of 3 β ,17 β -bis-acetoxy-17 α -ethynyl-19-nor-androst-4-ene) 417
- BETTELHEIM, F. A., see QUINN, F. R.
- BOREL, J., see MORETTI, J.
- BOYD, G. S. AND H. R. B. HUTTON
(Detection of steroids on chromoplates using a non-destructive method). . . 419
- BRIGGS, F. N.
(Chemical identification of the soluble muscle-relaxing factor: an enzymic probe) 177
- BRONK, J. R.
(Influence of thyroxine on oxidative phosphorylation and related reactions) 375
- BROWN, B. D., see BRUNNGRABER, E. G.
- BRUNNGRABER, E. G. AND B. D. BROWN
(Preparation of sialomucopolysaccharides from brain mitochondrial fractions). 581
- BUDSON, R. D., see HENLEY, K. S.
- CARNICERO, H., see HAMOLSKY, M. W.
- CHARLES, M., M. ROVERY, A. GUIDONI ET P. DESNUELLE
(Sur le trypsinogène et la trypsine de porc) 115
- CHARLEY, P. J., B. SARKAR, C. F. STITT AND P. SALTMAN
(Chelation of iron by sugars) 313
- CHEESEMAN, G. C., M. RAWITSCHER AND J. M. STURTEVANT
(Action of rennin on casein: Heat of reaction) 109
- CHVAPIL, M., see ČMUCHALOVÁ, B.
- ČMUCHALOVÁ, B. AND M. CHVAPIL
(Changes in DNA, collagen and ascorbic acid during the development of carrageenan granuloma) 565
- COEN, L. J., see BARLOW, G. H.
- COON, M. J., see BAPTIST, J. N.
- DAVIDSON, E. A. AND W. SMALL
(Metabolism *in vivo* of connective tissue mucopolysaccharide. I) 445
- DAVIDSON, E. A. AND W. SMALL
(Metabolism *in vivo* of connective tissue mucopolysaccharide. II). . . . 453
- DAVIDSON, E. A. AND W. SMALL
(Metabolism *in vivo* of connective tissue mucopolysaccharide. III) . . . 459
- DE LEY, J., see BERNAERTS, M. J.
- DE SALEGUI, M., see MATSUMURA, G.
- DE SIMONE, C. M., see FISCHER, J. J.
- DESNUELLE, P., see CHARLES, M.
- DESNUELLE, P., see VAN HOANG, D.
- DETTBARN, W. D., see ROSENBERG, P.
- DILWORTH, M. J., see PARKER, C. A.
- DOBRYSZYCKA, W., see MORETTI, J.
- DODGSON, K. S., see LLOYD, A. G.
- DOOLITTLE, R. F., L. LORAND AND A. JACOBSEN
(Comparative aspects of the fibrinogen-fibrin conversion) 161
- DUTTER, F., see PASQUALINI, J. R.
- ELLINGTON, E. V.
(Action of S-methylisothiourea on Corticotropin) 171
- ERNSTER, L., see PEDERSEN, S.
- FALCONE, A. B., R. L. MAO AND E. SHRAGO
(Mechanism of action of salicylate: Effects on orthophosphate-exchange reactions associated with oxidative phosphorylation). 143
- FISCHER, J. J. AND C. M. DE SIMONE
(Role of D-benzylpenicillenic acid in the sensitization of erythrocytes). . 412
- FISHMAN, W. H., see YUKI, H.
- FUJII, S. AND H. KUSHIDA
(Epimerization of N-acetyl-D-galactosamine to N-acetyl-D-talosamine) . . 572
- FUJIMOTO, D. AND N. TAMIYA

- (Studies on collagen metabolism with $^{18}\text{O}_2$ as a tracer) 559
- FURNELLE, J., see BERNAERTS, M. J.
- GEHATIA, M. UND C. HASHIMOTO
(Physikalisch-Chemische Untersuchung
der Protamine. I) 212
- GHOLSEN, R. K., see BAPTIST, J. N.
- GHOSH, S. AND B. C. GUHA
(Biosynthesis of ascorbic acid by rats
fed a high level of dietary tyrosine
under toxic and adapted conditions) 440
- GINGRAS, G., C. LEMASSON AND D. C. FORK
(Mode of action of 3-(4-chlorophenyl)-
1,1-dimethylurea on photosynthesis) 438
- GLASER, A. N., H. A. MCKENZIE AND
R. G. WAKE
(Denaturation of proteins. II) 240
- GOLDHABER, P., see MARTIN, G. R.
- GONZALEZ, N. S. AND H. G. PONTIS
(Uridine diphosphate fructose and
uridine diphosphate acetylgalacto-
samine from Dahlia tubers) 179
- GORINI, L. AND S. KALMAN
(Control by uracil of carbamyl phos-
phate synthesis in *E. coli*) 355
- GOTTLIEB, D., see RAMACHANDRAN, S.
- GRAMLING, E., W. NIEDERMEIER, H. L.
HOLLEY AND W. PIGMAN
(Factors affecting the interaction of
hyaluronic acid with bovine plasma
albumin) 552
- GROMET-ELHANAN, Z. AND T. WINNICK
(Microsomes as sites of α -amylase syn-
thesis in the rat parotid gland) 85
- GUHA, B. C., see GHOSH, S.
- GUIDONI, A., see CHARLES, M.
- GUY, O., M. ROVERY ET P. DESNUELLE
(Séquences N-terminales des chymo-
trypsinogènes A et B) 191
- HAMOLSKY, M. W., R. MICHEL, H. CARNI-
CERO AND J. ROCHE
(Effect of thyroid hormones on oxygen
consumption of isolated horse leuco-
cytes) 420
- HARTMAN, A., see JÖHL, A.
- HASHIMOTO, C., see GEHATIA, M.
- HASHIMOTO, Y., see PIGMAN, W.
- HENLEY, K. S., E. A. NAPIER, E. G.
LAUGHREY AND R. D. BUDSON
(Glucose 6-phosphate formation as a
measurement of oxidative phospho-
rylation in liver mitochondria) 166
- HERP, A., see MATSUMURA, G.
- HOCHSTRASSER, H., see LENTZ, K. E.
- HOLEYŠOVSKY, V., see TOMÁŠEK, V.
- HOLLEY, H. L., see GRAMLING, E.
- HOLMQUIST, W. R. AND J. R. VINOGRAD
(Reduction of human ferrihemoglobin
A in the presence of cysteine and the
effect of carbon monoxide) 337
- HÜBSCHER, G., see SHERRATT, H. S. A.
- HUTTON, H. R. B., see BOYD, G. S.
- IMAMURA, K., see TONOMURA, Y.
- IONESCU-STOIAN, F., see SORU, E.
- ITOH, M., S. IZAWA AND K. SHIBATA
(Disintegration of chloroplasts with
dodecylbenzene sulfonate as measured
by flattening effect and size distri-
bution) 130
- IVANOV, CH., B. ALEXIEV AND M. KRSTeva
(Interaction of insulin with Raney
nickel) 195
- IZAWA, S., see ITOH, M.
- JACOBS, N. J. AND M. J. WOLIN
(Electron-transport system of *Vibrio
succinogenes*. I) 18
- JACOBS, N. J. AND M. J. WOLIN
(Electron-transport system of *Vibrio
succinogenes*. II) 29
- JACOBSON, A., see DOOLITTLE, R. F.
- JACQUEMIN, C., see ROCHE, J.
- JAYLE, M. F., see MORETTI, J.
- JAYLE, M. F., see PASQUALINI, J. R.
- JÖHL, A., A. HARTMAN AND H. RINK
(Synthesis of Ser¹-Ile⁸-oxytocin (iso-
tocin)) 193
- JOHNSON, M. J., see SEGEL, I. H.
- JOLLÈS, J., see JOLLÈS, P.
- JOLLÈS, P.
(Action comparée de trois lysozymes
d'origine différente sur des substrats
glycopeptidiques isolés de *M. lyso-
deicticus*) 505
- JOLLÈS, P., C. ALAIS ET J. JOLLÈS
(Étude de la caséine κ de vache) 511
- JUDAH, J. D., see AHMED, K.
- KAHN, J. R., see LENTZ, K. E.
- KALMAN, S., see GORINI, L.
- KEIL, B., see TOMÁŠEK, V.
- KIKUCHI, G., see TSUKI, S.
- KOENIG, V. L., see NIYOGI, S. K.
- KOZŁOWSKA, J., see MURAWSKI, K.
- KROON, A. M.
(Amino acid incorporation into the
protein of mitochondria and mitochon-
drial fragments from beef heart) 184
- KRSTeva, N., see IVANOV, CH.
- KUSHIDA, H., see FUJII, S.
- LAUGHREY, E. G., see HENLEY, K. S.
- LEE, J. W.
(Zone electrophoresis of wheat gluten
on polyacrylamide gels) 159
- LENTZ, K. E., I. T. SKEGGS, JR., H. HOCH-
STRASSER AND J. R. KAHN
(Counter-current distributions of renin
substrate and serum proteins in poly-
ethylene glycol-salt systems) 203
- LEVY, H., T. SAITO, S. TAKEYAMA, A. P.
MERRILL AND J. P. SCHEPIS
(Conversion of 17 α -hydroxyprogester-
one into pregn-4-en-3 α ,17 α -diol-20-one
and other substances by perfusions
through bovine adrenals and ovaries) 198
- LEWIS, M. S., see MARTIN, G. R.
- LLOYD, A. G., K. S. DODGSON AND R. G.
PRICE
(Comparative studies on cartilage
aminopolysaccharidesulphates. I) 496
- LORAND, L., see DOOLITTLE, R. F.
- LÖW, H. AND I. VALLIN

- (Succinate-linked diphosphopyridine nucleotide reduction in submitochondrial particles). 361
- LUOMANMÄKI, K., see SALMINEN, S.
- LUPU, N., see YARON, A.
- MAO, R. L., see FALCONE, A. B.
- MARTIN, G. R. AND P. GOLDBABER
(Action of aminoacetonitrile on bone collagen in tissue culture). 568
- MARTIN, G. R., K. A. PIEZ AND M. S. LEWIS
(Incorporation of [^{14}C]glycine into the subunits of collagens from normal and lathyrotic animals). 472
- MARX, W., see SPOLTER, L.
- MATSUMURA, G., M. DE SALEGUI, A. HERP AND W. PIGMAN
(Preparation of hyaluronic acid from bovine synovial fluid). 574
- MATTHEWS, J. S.
(Steroids CCXXIII). 163
- MAUREY, J. R., see WOLFF, J.
- MCKENZIE, H. A., see GLASER, A. N.
- MCKENZIE, H. A., M. B. SMITH AND R. G. WAKE
(Denaturation of proteins. I). 222
- MCKERNS, K. W.
(Competitive inhibition of corticoid synthesis by estrogens). 425
- MERRETT, M. J.
(Phosphorus levels of normal and conditioned tobacco callus tissue). 405
- MERRILL, A. P., see LEVY, H.
- MICHEL, R., see HAMOLSKY, M. W.
- MIKEŠ, O., see TOMÁŠEK, V.
- MORETTI, J., J. BOREL, W. DOBRYŠZYCKA ET M. F. JAYLE
(Détermination de la demi-vie de l'haptoglobine plasmatique humaine). 205
- MURAWSKI, K., Z. SZYMANOWSKA AND J. KOZŁOWSKA
(A new variant of abnormal methaemoglobin: Hb M_{R200}). 442
- MUTO, A., see TSUIKI, S.
- NAPIER, E. A., see HENLEY, K. S.
- NEUBERT, D.
(Mitochondrial formation and hydrolysis of adenosine triphosphate in the presence of some rare-earth ions). 399
- NIEDERMEIER, W., see GRAMLING, E.
- NIYOGI, S. K. AND V. L. KOENIG
(Physico-chemical properties of α -crystallin from ox lens). 283
- NÚÑEZ, J., see ROCHE, J.
- PARKER, C. A. AND M. J. DILWORTH
(The inhibition by hydrogen of nitrogen fixation in *Azotobacter*—a reappraisal). 152
- PARTINGTON, F. R. AND G. C. WOOD
(Role of non-collagen components in the mechanical behaviour of tendon fibres). 485
- PASQUALINI, J. R., F. DUTTER AND M. F. JAYLE
(Mode de conjugaison du pregna 5-ène 3 β ,21-diol et du pregna 5-ène 3 β ,17 α ,21-triol 20-one chez l'homme). 331
- PEDERSEN, S., J. R. TATA AND L. ERNSTER
(Ubiquinone (coenzyme Q) and the regulation of basal metabolic rate by thyroid hormones). 407
- PIEZ, K. A., see MARTIN, G. R.
- PIGMAN, W., see GRAMLING, E.
- PIGMAN, W. AND Y. HASHIMOTO
(Composition of bovine submaxillary mucins). 579
- PIGMAN, W., see MATSUMURA, G.
- PONTIS, H. G., see GONZALEZ, N. S.
- PRICE, R. G., see LLOYD, A. G.
- QUINN, F. R. AND F. A. BETTELHEIM
(Infrared dichroism of sodium hyaluronate). 544
- RAMACHANDRAN, S. AND D. GOTTLIEB
(Pathways of glucose catabolism in *Caldariomyces fumago*). 74
- RAM CHANDRA, G. AND M. SPENCER
(A micro apparatus for absorption of ethylene and its use in determination of ethylene in exhaled gases from human subjects). 423
- RAWITSCHER, M., see CHEESEMAN, G. C.
- RICE, L. I., see SPOLTER, L.
- RINK, H., see JÖHL, A.
- ROCHE, J., see HAMOLSKY, M. W.
- ROCHE, J., J. NÚÑEZ ET C. JACQUEMIN
(Conditions de formation d'une combinaison protéique iodée et tritiée au cours de la désiodation des hormones thyroïdiennes doublement marquées [^{131}I et ^3H]). 271
- ROSENBERG, P. AND W. D. DETTBARN
(Ester-splitting activity of the electroplax). 103
- ROSS, J. E., see SMITH, F. R.
- ROVERY, M., see CHARLES, M.
- ROVERY, M., see VAN HOANG, D.
- SAITO, T., see LEVY, H.
- SALMINEN, S. AND K. LUOMANMÄKI
(Binding of sodium and potassium ions by heparin). 533
- SALTMAN, P., see CHARLEY, P. J.
- SARKAR, B., see CHARLEY, P. J.
- SCHEPIS, J. P., see LEVY, H.
- SEGEL, I. H. AND M. J. JOHNSON
(Hydrolysis of choline-O-sulfate by cell-free extracts from *Penicillium*). 433
- SEKHARA VARMA, T. N. AND B. K. BACHHAWAT
(Glucosamine-6-phosphate deaminase activity during connective tissue growth). 464
- SEKIYA, K., see TONOMURA, Y.
- SELA, M., see YARON, A.
- SHERRATT, H. S. A. AND HÜBSCHER, G.
(Properties of mitochondrial preparations from the small-intestinal mucosa of the guinea-pig). 403
- SHIBATA, K., see ITOH, M.
- SHIFRIN, S.
(Coenzyme analogs. I). 1

- SHIFRIN, S.
(Coenzyme analogs. II) 9
- SHRAGO, E., see FALCONE, A. B.
- SKEGGS, JR., L. T., see LENTZ, K. E.
- SLODKI, M. E.
(Structure of *Hansenula capsulata*
NRRL Y-1842 phosphomannan) 96
- SMALL, W., see DAVIDSON, E. A.
- SMITH, A. A.
(Dehydroxylation of norepinephrine) 203
- SMITH, F. R., D. F. TAPLEY AND
J. E. ROSS
(Glucuronide formation in the trans-
port of estradiol by rat intestine *in*
vitro) 68
- SMITH, M. B., see MCKENZIE, H. A.
- SNYDER, H. E.
(Heme dissociation and autoxidation
of myoglobin) 200
- ŠORM, F., see TOMÁŠEK, V.
- SORU, E. AND F. IONESCU-STOIAN
(Purification of hyaluronate lyase on
DEAE-Sephadex) 538
- SPEAKMAN, P. T.
(Johnston-Ogston effect in the ultra-
centrifugation of solutions of de-
naturated collagen) 480
- SPENCER, M., see RAM CHANDRA, G.
- SPOITER, L., L. I. RICE AND W. MARX
(Effect of DPN on the formation of
S-labeled substances in a particle-free
supernatant of mouse mast-cell tumor) 582
- STERN, J. R.
(Enzymic activation and cleavage of
D- and L-inalate) 435
- STITT, C. F., see CHARLEY, P. J.
- STURTEVANT, J. M., see CHEESEMAN, G. C.
- SUNDARESAN, P. R., see WOLF, G.
- SZYMANOWSKA, Z., see MURAWSKI, K.
- TAKEYAMA, S., see LEVY, H.
- TAMIYA, N., see FUJIMOTO, D.
- TAPLEY, D. F., see SMITH, F. R.
- TATA, J. R., see PEDERSEN, S.
- THOMMEN, H. UND H. WACKERNAGEL
(Isolierung und Nachweis von Cantha-
xanthin im kleinen Flamingo) 387
- TOKIWA, T., see TONOMURA, Y.
- TOMÁŠEK, V., O. MIKEŠ, V. HOLEYŠOVSKY,
B. KEIL AND F. ŠORM
(Structure of some peptides isolated
from the soluble fraction of the tryptic
digest of S-sulphotrypsinogen) 186
- TONOMURA, Y., K. SEKIYA AND K. IMA-
MURA
(Optical-rotatory dispersion of myosin
A. II) 296
- TONOMURA, Y., K. SEKIYA, K. IMAMURA
AND T. TOKIWA
(Optical-rotatory dispersion of myosin
A. III) 305
- TSUKI, S., A. MUTO AND G. KIKUCHI
(Possible route of acetate oxidation in
R. spheroides) 181
- TURNER, K. J.
(Physical studies on the two α -glyco-
proteins of foetal calf serum) 518
- VALLIN, I., see LÖW, H.
- VAN HOANG, D., M. ROVERY, A. GUIDONI
ET P. DESNUELLE
(Purification et analyse des chaînes B
et C de la chymotrypsine α) 188
- VINOGRAD, J. R., see HOLMQUIST, W. R.
- VOGEL, H. J., see VOGEL, R. H.
- VOGEL, R. H. AND H. J. VOGEL
(Acetylated intermediates of arginine
synthesis in *B. subtilis*) 174
- VORYS, N., see BESCH, P. K.
- WACKERNAGEL, H., see THOMMEN, H.
- WAKE, R. G., see GLASER, A. N.
- WAKE, R. G., see MCKENZIE, H. A.
- WALLGREN, H., see AHMED, K.
- WALTER, H.
(Chemical reactivity of a macromole-
cule as a function of its age) 410
- WATSON, D. J., see BESCH, P. K.
- WINNICK, R. E., see WINNICK, T.
- WINNICK, T., see GROMET-ELHANAN, Z.
- WINNICK, T., R. E. WINNICK AND E. D.
BERGMANN
(Metabolic and enzymic experiments
with α -fluoro- β -alanine) 48
- WOLF, G., J. G. BERGAN AND P. R. SUN-
DARESAN
(Vitamin A and mucopolysaccharide
biosynthesis by cell-free particle sus-
pensions) 524
- WOLFF, J. AND J. R. MAUREY
(Thyroidal iodide transport. IV) 58
- WOLIN, M. J., see JACOBS, N. J.
- WOOD, G. C., see PARTINGTON, F. R.
- WOTIZ, H. H.
(Steroid metabolism. XV) 415
- YARON, A. AND A. BERGER
(Determination of the molecular weight
of poly-L-lysine) 397
- YARON, A., N. LUPU, M. SELA AND A.
BERGER
(Effect of urea and guanidine on the
helix content of poly-N⁵-(3-hydroxy-
propyl)-glutamine in aqueous-solvent
systems) 430
- YUKI, H. AND W. H. FISHMAN
(Carbazole method for endo- and ter-
minal glucuronic acid in a mixture of
glucuronate, glucosiduronate and hy-
aluronate) 576