antibiotic, filipin, with intestinal membranes from vitamin D-treated and vitamin D-deficient chicks (219) 61

Zahler, P. and Weibel, E. R.

Reconstitution of membranes by recombining proteins and lipids derived from erythrocyte stroma (219) 320

Zull, J. E., see Sweet, C. (219) 253

SUBJECT INDEX

Anion translocation Absorption - of aliphatic hydrocarbons by rats Mechanism of -— and pH equilibration (Albro, Fishbein) (219) 437 in erythrocytes (Scarpa et al.) (219) 179 Acetylcholine proteolipid receptor Antibiotics Acetylcholinesterase and ——: Two Structural effects in the action of different components of electroplax memon the ion permeability of lipid bilayers. branes (De Robertis, Fiszer de Plazas) (219) II. Kinetics of tyrocidine B (Goodall) (219) 388 Acetylcholinesterase Antibiotics - and acetylcholine proteolipid recep-Structural effects in the action of on the ion permeability of lipid bilayers. tor: Two different components of electro-III. Gramicidins "A" and "S", and lipid plax membranes (De Robertis, Fiszer de specificity (Goodall) (219) 471 Plazas) (219) 388 Active Na+ and Cl- transport Antibiotic, filipin — by the isolated chick choricallan-Studies on the mechanism of action of toic membrane (Moriarty, Hogben) (219) calciferol. IV. Interaction of the polyene -, with intestinal mucosal membranes 463 Adenosine from vitamin p-treated and vitamin p-Reversal by ---- of ADP inhibition of deficient chicks (Wong et al.) (219) 61 platelet (Na+ + K+)-ATPase (Moake et al.) Antigens Active potassium transport and the L and (219) 484 ADP inhibition - of sheep and goat red cells Reversal by adenosine of ——— of platelet (Ellory, Tucker) (219) 160 $(Na^+ + K^+)$ -ATPase (Moake et al.) (219) Bacteriochlorophyll Variations of NADH oxidase activity and β -Alanine permeaseless mutant - contents during membrane differen-Isolation and properties of a ---- of tiation in Rhodospirillum rubrum (Oelze, Pseudomonas fluorescens (Hechtman, Drews) (219) 131 Scriver) (219) 428 Bilayers Effect of local anesthetics on phospholipid Albumin Binding of serum ---- to phospholipid - (Ohki) (219) 18 liposomes (Sweet, Zull) (219) 253 Bilayers Structural effects in the action of antibio-Effects of --- on respiration of the tics on the ion permeability of lipid urinary bladder, intestine and sartorius II. Kinetics of tyrocidine B (Goodall) (219) muscle of toads (Parisi, Bentley) (219) 234 28 Bilayers Amino acid absorption — in the mammalian colon (Binder) Structural effects in the action of anti-(219) 503 biotics on the ion permeability of lipid III. Gramicidins "A" and "S", α-Aminoisobutyric acid Uptake of ---- by cultured human and lipid specificity (Goodall) (219) 471 fibroblasts (Mahoney, Rosenberg) (219) 500 Bimolecular phospholipid membranes Electrooptical phenomena in Anesthetics Effect of local ---- on phospholipid (Berestovsky et al.) (219) 263 bilayers (Ohki) (219) 18 Biogenic amines Mechanism of transport and storage of I-Anilino-8-naphtalene sulfonate -. III. Effects of sodium and potas-Correlations between structure and spectroscopic properties in membrane model systems. Tryptophan and ———— fluorsium ions on kinetics of 5-hydroxytryptamine and norepinephrine transport by escence in protein-lipid-water phases rabbit synaptosomes (Bogdanski et al.) (Gulik-Krzywicki et al.) (219) 1 (219) 189

532 SUBJECT INDEX

Calciferol Studies on the mechanism of action of ————————————————————————————————————	citation (Blumenthal, Changeux) (219) 398 Electroplax membranes Acetylcholinesterase and acetylcholine proteolipid receptor: Two different components of ———————————————————————————————————
surface membranes and whole cells (Glick et al.) (219) 290	——— (Zahler, Weibel) (219) 320 Ethacrynic acid
Carbonic anhydrase content	and iron uptake in the rabbit
of turtle urinary bladder mucosal cells (Scott et al.) (219) 248	reticulocyte (Barnett, Archdeacon) (219) 231 Excitation
Cell wall inhibition	Changes of internal ionic concentration in
Biochemical changes in Bifidobacterium	the isolated electroplax during chemical
bifidum var. pennsylvanicus after ———. III. Morphological structure and osmotic	——— (Blumenthal, Changeux) (219) 398 Fatty acid composition
properties of the protoplasts and membrane	Effect of alterations in ——— and choles-
composition (Exterkate et al.) (219) 141	terol content on the permeability of Myco-
Chemical excitation	plasma laidlawii B cells and derived lipo-
Changes of internal ionic concentration in the isolated electroplax during ———	somes (McElhaney et al.) (219) 245 Fatty acid spin labels
(Blumenthal, Changeux) (219) 398	Motion of ——— in the plasma membrane
Cholesterol	of mycoplasma (Rottem et al.) (219) 104
Myelin structure and retention of	Fluorescence
in frog sciatic nerve embedded in a resor-	Correlations between structure and spec-
cinol-formaldehyde resin (Robertson, Parsons) (219) 379	troscopic properties in membrane model systems. Tryptophan and 1-anilino-8-napht-
Cholesterol content	alene sulfonate ——— in protein-lipid-
Effect of alterations in fatty acid com-	water phases (Gulik-Krzywicki et al.) (219) 1
position and —— on the permeability	Freeze-etching
of Mycoplasma laidwaii B cells and derived liposomes (McElhaney et al.) (219) 245	Lamellar and hexagonal lipid phases visualized by ——— (Deamer et al.) (219)
Colicin E ₂	47
Dissociating activity of purified — on the isolated membrane complex of Escher-	Freeze-etching Native and reformed Mycoplasma laidlawii
ichia coli (Beppu, Arima) (219) 512	membranes compared by ——— (Tillack
Constitutive proteins	et al.) (219) 123
of the rat liver microsomal mem-	Frog skin
branes (Pascaud et al.) (219) 339	Effects of high hydrostatic pressure on the permeability characteristics of the isolated
Detergent-treated sarcolemma Enzyme activity in a ——— of skeletal	——————————————————————————————————————
muscles (Ferdman et al.) (219) 372	Glucocorticoids
Direct current	Comparison of the effect of —— on
Asymmetrical response of oxyntic cells to	glucose uptake and hexokinase activity in
in nonstimulated frog gastric	lymphosarcoma P1798 (Rosen et al.) (219)
mucosa (Villegas et al.) (219) 518 Efflux	447 Glucose uptake
Lithium-stimulated sodium ——— in frog	Comparison of the effect of glucocorticoids
skeletal muscle (Beaugé, Ortiz) (219) 479	on and hexokinase activity in
Electrooptical phenomena	lymphosarcoma P1798 (Rosen et al.) (219)
in bimolecular phospholipid mem-	447 Golgi membranes
branes (Berestovsky et al.) (219) 263 Electroplax	Golgi membranes Preparation and characterization of ———
Changes of internal ionic concentration in	from rat liver (Fleischer, Fleischer) (219)
the isolated ——— during chemical ex-	301

Gramicidins "A" and "S"	III. Gramicidins "A" and "S", and lipid
Charles of the control of the	111. Grainfeignis A and 5, and upig
Structural effects in the action of anti-	specificity (Goodall) (219) 471
biotics on the ion permeability of lipid	Lipid phases
bilayers. III. ——, and lipid specificity	Lamellar and hexagonal —— visualized
(Goodall) (219) 471	by freeze-etching (Deamer et al.) (219) 47
Hemolysis	Lipo-collagen membranes
Erythrocyte membrane interaction with	Generation of "spikes" by — (Botrè
menadione and the mechanism of mena-	et al.) (219) 283
dione-induced — (Mezick et al.) (219)	Liposomes
361	Binding of serum albumin to phospholipid
Hexokinase activity	(Sweet, Zull) (219) 253
Comparison of the effect of glucocorticoids	Liposomes
on glucose uptake and ——— in lymphosar-	Effect of alterations in fatty acid com-
coma P1798 (Rosen et al.) (219) 447	position and cholesterol content on the
L-Histidine	permeability of Mycoplasma laidlawii B
Sodium-dependent binding of ——— to	cells and derived ——— (McElhaney et al.)
a fraction of mucosal brush borders from	, , ,
	(219) 245 Mombranes
hamster jejunum (Faust et al.) (219) 507	Membranes
Hydrocarbons	Acetylcholinesterase and acetylcholine pro-
Absorption of aliphatic — by rats	teolipid receptor: Two different components
(Albro, Fishbein) (219) 437	of electroplax ——— (De Robertis, Fiszer
Hydrostatic pressure	de Plazas) (219) 388
Effects of high ——— on the permeability	Membrane
characteristics of the isolated frog skin	Active Na ⁺ and Cl ⁻ transport by the
(Brouha et al.) (219) 455	isolated chick chorioallantoic ——
5-Hydroxytryptamine transport	(Moriarty, Hogben) (219) 463
Mechanism of transport and storage of	Membranes
biogenic amines. III. Effects of sodium	—— of animal cells. VII. Carbohydrates
and potassium ions on kinetics of	of surface membranes and whole cells
and norepiniphrine transport by rabbit	(Glick et al.) (219) 290
synaptosomes (Bogdanski et al.) (219) 189	Membranes
Intestine	Comparative studies of erythrocyte —
Transport of pteroylglutamic acid across	by gel electrophoresis (Carraway, Kobylka)
the small ——— of the rat (Smith et al.)	(219) 238
(219) 37	Membranes
Ionic concentration	Constitutive proteins of the rat liver
Changes of internal ——— in the isolated	microsomal ——— (Pascaud et al.) (219)
electroplax during chemical excitation	
	330
(Blumenthal, Changeux) (219) 398	339 Membranes
(Blumenthal, Changeux) (219) 398 Ion permeability	Membranes
Ion permeability	Membranes Electrooptical phenomena in bimolecular
Ion permeability Structural effects in the action of antibiotics	Membranes Electrooptical phenomena in bimolecular phospholipid ——— (Berestovsky et al.)
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics	Membranes Electrooptical phenomena in bimolecular phospholipid ——— (Berestovsky et al.) (219) 263
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28	Membranes Electrooptical phenomena in bimolecular phospholipid ——— (Berestovsky et al.) (219) 263 Membranes
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability	Membranes Electrooptical phenomena in bimolecular phospholipid ——— (Berestovsky et al.) (219) 263 Membranes Generation of "spikes" by lipo-collagen
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibio-	Membranes Electrooptical phenomena in bimolecular phospholipid (Berestovsky et al.) (219) 263 Membranes Generation of "spikes" by lipo-collagen ————————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibio-	Membranes Electrooptical phenomena in bimolecular phospholipid (Berestovsky et al.) (219) 263 Membranes Generation of "spikes" by lipo-collagen ————————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid	Membranes Electrooptical phenomena in bimolecular phospholipid (Berestovsky et al.) (219) 263 Membranes Generation of "spikes" by lipo-collagen ————————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibio-	Membranes Electrooptical phenomena in bimolecular phospholipid (Berestovsky et al.) (219) 263 Membranes Generation of "spikes" by lipo-collagen ————————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid	Membranes Electrooptical phenomena in bimolecular phospholipid (Berestovsky et al.) (219) 263 Membranes Generation of "spikes" by lipo-collagen ————————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ———— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ———— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——— in the rabbit	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——— in the rabbit reticulocyte (Barnett, Archdeacon) (219) 231	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——— in the rabbit reticulocyte (Barnett, Archdeacon) (219) 231 Light scattering temperature jump relaxations	Membranes Electrooptical phenomena in bimolecular phospholipid (Berestovsky et al.) (219) 263 Membranes Generation of "spikes" by lipo-collagen — (Botrè et al.) (219) 283 Membrane Motion of fatty acid spin labels in the plasma — of mycoplasma (Rottem et al.) (219) 104 Membranes Native and reformed Mycoplasma laidlawii — compared by freeze-etching (Tillack et al.) (219) 123
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——— in the rabbit reticulocyte (Barnett, Archdeacon) (219) 231 Light scattering temperature jump relaxations ——— in mixed solvent suspensions of	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ———— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ————— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——————————————————————————————————	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ———————————————————————————————————	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——— in the rabbit reticulocyte (Barnett, Archdeacon) (219) 231 Light scattering temperature jump relaxations ———— in mixed solvent suspensions of phosphatidylcholine vesicles (Owen et al.) (219) 276 Lipid bilayers	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——— in the rabbit reticulocyte (Barnett, Archdeacon) (219) 231 Light scattering temperature jump relaxations ——— in mixed solvent suspensions of phosphatidylcholine vesicles (Owen et al.) (219) 276 Lipid bilayers Structural effects in the action of anti-	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ———————————————————————————————————	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——— in the rabbit reticulocyte (Barnett, Archdeacon) (219) 231 Light scattering temperature jump relaxations ———— in mixed solvent suspensions of phosphatidylcholine vesicles (Owen et al.) (219) 276 Lipid bilayers Structural effects in the action of antibiotics on the ion permeability of ———. II. Kinetics of tyrocidine B (Goodall) (219)	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ———————————————————————————————————	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28 Ion permeability Structural effects in the action of antibiotics on the ——— of lipid bilayers. III. Gramicidins "A" and "S", and lipid specificity (Goodall) (219) 471 Iron uptake Ethacrynic acid and ——— in the rabbit reticulocyte (Barnett, Archdeacon) (219) 231 Light scattering temperature jump relaxations ———— in mixed solvent suspensions of phosphatidylcholine vesicles (Owen et al.) (219) 276 Lipid bilayers Structural effects in the action of antibiotics on the ion permeability of ———. II. Kinetics of tyrocidine B (Goodall) (219) 28 Lipid bilayers	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————
Ion permeability Structural effects in the action of antibiotics on the ———————————————————————————————————	Membranes Electrooptical phenomena in bimolecular phospholipid ———————————————————————————————————

534 SUBJECT INDEX

Membranes Micelles Purification of the Ca²⁺-dependent ATPase Polymorphism of lipids. A novel cubic of human erythrocyte — (Wolf) (219) phase - a cage-like network of rods with enclosed spherical ——— (Tardieu, Luzzati) 521 Membranes (219) 11 Reconstitution of ---- by recombining Microsomal marker enzymes proteins and lipids derived from erythrocyte Use of —— to distinguish the outer stroma (Zahler, Weibel) (219) 320 membrane of rat liver mitochondira from Membranes the microsomes (Van Tol) (219) 227 Studies on the mechanism of action of Microsomal membranes calciferol. IV. Interaction of the polyene Constitutive proteins of the rat liver— antibiotic, filipin, with intestinal mucosal (Pascaud et al.) (219) 339 - from vitamin D-treated and vitamin Mitochondria D-deficient chicks (Wong et al.) (219) 61 Use of microsomal marker enzymes to Membranes distinguish the outer membrane of rat Two protein fractions obtained from hepatic plasma ———. Studies of their liver ---- from the microsomes (Van Tol) (219) 227 composition and differential turnover Morphological structure (Simon et al.) (219) 349 Biochemical changes in Bifidobacterium bifidum var. pennsylvanicus after cell Membrane Use of microsomal marker enzymes to wall inhibition. III. - and osmotic properties of the protoplasts and membrane distinguish the outer —— of rat liver composition (Exterkate et al.), (219) 141 mitochondria from the microsomes (Van Mucosa Tol) (219) 227 Membrane complex Asymmetrical response of oxyntic cells to Dissociating activity of purified colicin direct current in nonstimulated frog gastric E₂ on the isolated ——— of Escherichia - (Villegas et al.) (219) 518 Mucosal brush borders coli (Beppu, Arima) (219) 512 Sodium-dependent binding of L-histidine Membrane composition Biochemical changes in Bifidobacterium to a fraction of ---- from hamster jejubifidum var. pennsylvanicus after cell num (Faust et al.) (219) 507 wall inhibition. III. Morphological structure Muscles and osmotic properties of the protoplasts Enzyme activity in a detergent-treated and — (Exterkate et al.) (219) 141 sarcolemma of skeletal ---- (Ferdman Membrane differentiation et al.) (219) 372 Variations of NADH oxidase activity and Muscle bacteriochlorophyll contents during Lithium-stimulated sodium efflux in frog in Rhodospirillum rubrum (Oelze, Drews) skeletal ——— (Beaugé, Ortiz) (219) 479 Mycoplasma (219) 131 Membrane interaction Motion of fatty acid spin labels in the - with menadione and plasma membrane of ---- (Rottem et Erythrocyte the mechanism of menadione-induced hemoal.) (219) 104 Myelin structure lysis (Mezick et al.) (219) 361 Membrane lipids - and retention of cholesterol in frog Characterization of the plasma membrane of sciatic nerve embedded in a resorcinol-Mycoplasma laidlawii. VII. Phase transiformaldehyde resin (Robertson, Parsons) tions of --- (Melchior et al.) (219) 114 (219) 379 Membrane model systems NADH oxidase activity Variations of —— - and bacteriochloro-Correlations between structure and specphyll contents during membrane differentroscopic properties in ——. Tryptophan and 1-anilino-8-naphtalene sulfonate fluortiation in Rhodospirillum rubrum (Oelze, escence in protein-lipid-water phases Drews) (219) 131 Nerve (Gulik-Krzywicki et al.) (219) 1 Myelin structure and retention of choles-Membrane potentials across the bovine lens capsule in terol in frog sciatic ----- embedded in a vitro (Takeguchi, Nakagaki) (219) 405 resorcinol-formaldehyde resin (Robertson, Menadione Parsons) (219) 379 Erythrocyte membrane interaction with Norepinephrine transport - and the mechanism of menadione-Mechanism of transport and storage of induced hemolysis (Mezick et al.) (219) 361 biogenic amines. III. Effects of sodium Menadione-induced hemolysis and potassium ions on kinetics of 5-hydroxytryptamine and ---- by rabbit Erythrocyte membrane interaction with

synaptosomes (Bogdanski et al.) (219)

menadione and the mechanism of -

(Mezick et al.) (219) 361

Nucleotide pyrophosphatase activity of rat liver plasma membranes ((Robinson) Skidmore, Trams) (219) 93 Osmotic properties	Phospholipid liposomes Binding of serum to ——— (Sweet, Zull) (219) 253 Phospholipid membranes
Biochemical changes in Bifidobacterium bifidum var. pennsylvanicus after cell wall inhibition. III. Morphological structure and ———— of the protoplasts and	Electrooptical phenomena in bimolecular ————————————————————————————————————
membrane composition (Exterkate et al.) (219) 141 Ouabain-sensitive respiration	spin-labelled ——— (Butler et al.) (219) 514 Plasma membrane
Li ⁺ stimulation of ——— and (Na ⁺ + K ⁺)- ATPase of kidney cortex of ground squir-	Characterization of the — of Mycoplasma laidlawii. VII. Phase transitions of
rels (Willis, Fang) (219) 486 Oxyntic cells Asymmetrical response of ———— to direct	membrane lipids (Melchior et al.) (219) 114 Plasma membranes Two protein fractions obtained from
current in nonstimulated frog mucosa (Villegas et al.) (219) 518 Pancreatic duct membrane	hepatic ——. Studies of their composition and differential turnover (Simon et al.) (219) 349
Permeability of the ——— (Case, Scratcherd) (219) 493	Polymorphism of lipids ——. Novel cubic phase — a cage-like
Permeabilities Chloride and sodium ——— of human red	network of rods with enclosed spherical micelles (Tardieu, Luzzati) (219) 11
cells (Dalmark, Wieth) (219) 525 Permeability	Proposed test for the ——— (Sha'afi,
Effect of alterations in fatty acid composition and cholesterol content on the ———— of Mycoplasma laidlawii B cells	Hajjar) (219) 155 Potassium transport
and derived liposomes (McElhaney et al.) (219) 245	Active ————————————————————————————————————
Permeability of the pancreatic duct membrane	Proteins Constitutive ——— of the rat liver micro-
(Case, Scratcherd) (219) 493 Permeability Structural effects in the action of anti-	somal membranes (Pascaud et al.) (219) 339 Proteins
biotics on the ion —— of lipid bilayers. II. Kinetics of tyrocidine B (Goodall) (219) 28	Study of the structural integrity of spin- labelled ——— in some fractions of human erythrocyte ghosts (Scheider, Smith) (219) 73
Permeability characteristics Effects of high hydrostatic pressure on the of the isolated frog skin (Brouha	Protein-lipid-water phases Correlations between structure and spectroscopic properties in membrane model
et al.) (219) 455 Permeaseless Isolation and properties of a β -alanine	systems. Tryptophan and 1-anilino-8-naph- talene sulfonate fluorescence in ———————————————————————————————————
mutant of Pseudomonas fluorescens (Hechtman, Scriver) (219) 428	Pteroylglutamic acid Transport of —————————— across the small
pH equilibration Mechanism of anion translocation and ———————————————————————————————————	intestine of the rat (Smith et al.) (219) 37 Reconstitution of membranes ————————————————————————————————————
Phosphatidyl cholines Large-scale preparation of unsaturated	derived from erythrocyte stroma (Zahler, Weibel) (219) 320 Respiration
——— from egg yolk (Klein) (219) 496 Phosphatidylcholine vesicles	Effects of amiloride on ——— of the urinary bladder, intestine and sartorius muscle
Light scattering temperature jump relaxations in mixed solvent suspensions of ———————————————————————————————————	of toads (Parisi, Bentley) (219) 234 Respiration Li ⁺ stimulation of ouabain-sentive ———
Phospholipase C Structural study of the modification of erythrocyte ghosts by ——— (Coleman et	and (Na ⁺ + K ⁺)-ATPase of kidney cortex of ground squirrels (Willis, Fang) (219) 486 Sodium efflux
al.) (219) 81 Phospholipid bilayers	Lithium-stimulated ——— in frog skeletal muscle (Beaugé, Ortiz) (219) 479
Effect of local anesthetics on ——— (Ohki) (219) 18	(Sodium + potassium)-ATPase ————————————————————————————————————

536 SUBJECT INDEX

