## SUBJECT INDEX

Adenylate cyclase  ———————————————————————————————————	activation energy of (Na+-K+) (Taniguchi, Iida) (274) 536 ATPase
(274) 201 Air—water interface Adsorption and desorption studies of phospholipid at the —— (Seimiya, Ohki) (274) 15	Polarographic studies on a soluble membrane————————————————————————————————————
Air-water interface Interactions of spin-labeled lipid molecules with natural lipids in monolayers at the ————————————————————————————————————	Species and tissue differences in the rate of dissociation of ouabain from (Na <sup>+</sup> + K <sup>+</sup> )- ————————————————————————————————————
Alcohols  Effect of aliphatic ——— upon the dissociation of Micrococcus lysodeikticus membrane lipids and proteins (Nachbar et al.)	Role of cholesterol in the Ca <sup>2+</sup> uptake and of fragmented sarcoplasmic reti- culum (Drabikowski et al.) (274) 158 ATP: potassium ratios
(274) 83 Amines	——— in smooth muscle (Rangachari et al.) (274) 462
Response of fluorescent ——— to pH	Bilayers
gradients across liposome membranes (Deamer et al.) (274) 323 Amino acids	Effect of surface charge on the water permeability of phospholipid ——— (Graham, Lea) (274) 286
Effect of —— on thylakoid membranes	Brush border membrane
during freezing as influenced by side chain	Enzymic activities of the ——— of rat in-
and position of the amino group (Tyankova)	testine hydrolysing $\beta$ -naphthylamides of
(274) 75 Amino acids	amino acids, leucinamide and dipeptides (Auricchio et al.) (274) 420
Enzymic activities of the brush border	α-Bungarotoxin
membrane of rat intestine hydrolysing $\beta$ -	Binding of —— to the cholinergic re-
naphthylamides of ———— leucinamide and	ceptor proteolipid from Electrophorus elec-
dipeptides (Auricchio et al.) (274) 420 ATP	troplax (Fiszer de Plazas, De Robertis)
Effect of ——— and $Ca^{2+}$ on the cell volume	(274) 258 Calcium
in isolated kidney tubules (Rorive, Klein-	Effect of ATP and ——— on the cell volume
zeller) (274) 226	in isolated kidney tubules (Rorive, Klein-
ATPase	zeller) (274) 226
Activation by phospholipids of particulate	Calcium absorption
mitochondrial ——— from rat liver (Pitotti et al.) (274) 528	Role of intestinal transport proteins in cortisone-mediated suppression of ———
ATPase	(Krawitt) (274) 179
Alternative purification of the membrane-	Calcium uptake
bound — from Bacillus megaterium	Role of cholesterol in the ——— and
KM, and some properties (Mirsky, Barlow)	ATPase activity of fragmented sarcoplasmic
(274) 556 ATPase	reticulum (Drabikowski et al.) (274) 158 Carotenoid glucosides
Anion-sensitive ——— in lizard gastric	Membranes from myxococcus fulvus (Myxo-
mucosa (de Pont et al.) (274) 189	bacterales) containing ——. I. Isolation
ATPase	and composition (Kleinig) (274) 489
Differential isolation of microvillous and	Cells  Mothod for measuring the kinetics of energy
basolateral plasma membranes from intes- tinal mucosa: mutually exclusive distri-	Method for measuring the kinetics of energy- dependent changes in the electrical mem-
bution of digestive enzymes and ouabain-	brane resistance of metabolising plant ———
sensitive ——— (Fujita et al.) (274) 336	(Vredenberg) (274) 505
ATPase	Cells
Differential modification of the $(Na^+ + K^+)$ - dependent —— by dimethylsulphoxide	Studies of the plasma membrane of normal and virus-transformed 3T3 mouse
(Robinson) (274) 542	(Sheinin, Onodera) (274) 49
ATPase	Cholesterol
Effect of phospholipids on the apparent	Erythrocyte membranes – compression of

linid phases by increased content	Emerthmenton
lipid phases by increased ———— content (Kroes et al.) (274) 71	Erythrocytes  Localization and characterization of storaid
Cholesterol	Localisation and characterisation of steroid binding sites of human ——— (Brinkmann,
Role of ——— in the $Ca^{2+}$ uptake and	van der Molen) (274) 370
ATPase activity of fragmented sarcoplasmic	Erythrocytes
reticulum (Drabikowski et al.) (274) 158	Lytic behaviour of pure phospholipases A <sub>2</sub>
Cholesterol	and C towards osmotically swollen ——
Sterol fluxes in the digestive tract of the rat.	and resealed ghosts (Woodward, Zwaal)
Absorption of synthesised ——— (Cheval-	(274) 272
lier, Lutton) (274) 382	Erythrocytes
Cholinergic receptor proteolipid	Temperature-sensitive agglutinability of
Binding of α-bungarotoxin to the ———	human —— by lectins (Vlodavsky et al.)
from Electrophorus electroplax (Fiszer de	(274) 364
Plazas, De Robertis) (274) 258	Erythrocyte membranes
Concanavalin A	Circular dichroism of human ——— solu-
Agglutination of bacterial spheroplasts. I.	bilised by n-pentanol (Singer, Morrison)
Effect of ——— (Maruyama) (274) 499	(274) 64
Cortisone	Erythrocyte membranes
Intestinal absorption and gastro-intestinal	compression of lipid phases by in-
digestion of protein in the young rat during	creased cholesterol content (Kroes et al.)
the normal and ———induced post-	(274) 71
closure period (Jones) (274) 412	Erythrocyte membranes
Cortisone	Raman spectroscopic study of human ———
Role of intestinal transport proteins in	(Bulkin) (274) 649
	Ethacrynic acid
absorption (Krawitt) (274) 179 Cyclic AMP	Binding of ——— to rabbit kidney cortex
Effects of glucagon and ——— on ion fluxes	(Epstein) (274) 119 Ethacrynic acid
in the perfused liver (Friedmann) (274) 214	Effect of ——— on active transport of
Cytochrome oxidase	sugars and ions and on other metabolic pro-
Biological membrane structure. III. The	cesses in rabbit kidney cortex (Epstein)
lattice structure of membranous	(274) 128
(Vanderkooi et al.) (274) 38	Fat globule membranes
Cytopiasmic memorane vesicies	Preparation and properties of 5'-nucleo-
Cytoplasmic membrane vesicles Correlations between fluorescence, X-ray	Preparation and properties of 5'-nucleo-tidases from bovine milk ———— (Huang.
	tidases from bovine milk ——— (Huang,
Correlations between fluorescence, X-ray	
Correlations between fluorescence, X-ray diffraction, and physiological properties in	tidases from bovine milk ———— (Huang, Keenan) (274) 246
Correlations between fluorescence, X-ray diffraction, and physiological properties in isolated from Escherichia coli	tidases from bovine milk ———— (Huang, Keenan) (274) 246 Fatty acid composition
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————
Correlations between fluorescence, X-ray diffraction, and physiological properties in ———————————————————————————————————	tidases from bovine milk ————————————————————————————————————

Kidney cortex

Binding of ethacrynic acid to rabbit -

Gramicidin A	
Ion transfer across lipid membranes in the	Kid
presence of ——. II. The ion selectivity	
(Myers, Haydon) (274) 313	
Gramicidin A	
Ion transport across lipid membranes in the	77:4
presence of ———. I. Studies of the unit conductance channel (Hladky, Haydon)	Kid
(274) 294	
Hashish	
Interaction of ——— components with	Lan
human erythrocytes (Raz et al.) (274) 269	
Hepatocyte	
Distribution of membrane-confined phos-	1
pholipases A in the rat ——— (Nachbaur	$_{ m Lec}$
et al.) (274) 426	•
Hormones	Ī
Adenylate cyclase in the rat pancreas:	_ (
Properties and stimulation by ——	Leu
(Rutten et al.) (274) 201	
myo-Inositol transport	
—— in Aerobacter aerogenes (Deshusses,	1
Reber) (274) 598 Intestinal absorption	Lin
and gastro-intestinal digestion of	Lip
protein in the young rat during the normal	
and cortisone-induced post-closure period	
(Jones) (274) 412	Lipi
Intestinal mucosa	* .
Differential isolation of microvillous and	
basolateral plasma membranes from ——:	
mutually exclusive distribution of digestive	Lipi
enzymes and ouabain-sensitive ATPase	
(Fujita et al.) (274) 336	
Intestinal transport proteins	(
Role of ——— in cortisone-mediated sup-	Lipi
pression of calcium absorption (Krawitt)	-
(274) 179 Ion fluxes	•
Effects of glucagon and cyclic AMP on ——	
in the perfused liver (Friedmann) (274) 214	Lipi
In fluxes	Lip
in photoreception in Limulus ventral	í
eye. I. The response of potassium efflux to	Lipi
light (Holt, Brown) (274) 140	1
Ion transfer	í
across lipid membranes in the pres-	
ence of gramicidin A. II. The ion selectivity	Lip
(Myers, Haydon) (274) 313	
Ion transport	]
across lipid membranes in the pres-	т.
ence of gramicidin A. I. Studies of the unit	Lip
conductance channel (Hladky, Haydon)	
(274) 294 Ion transport	
Effects of ethacrynic acid on active sugar	Mag
transport and —————————— and on other metabo-	عد.و
lic processes in rabbit kidney cortex (Ep-	ì
stein) (274) 128	j
Ion transport	Men
Role of space charge in the — through	
membranes (Tredgold) (274) 563	]
Kidney cortex	

```
(Epstein) (274) 119
lnev cortex
Effects of ethacrynic acid on active trans-
port of sugars and ions and on other me-
tabolic processes in rabbit ——— (Epstein)
(274) 128
iney tubules
Effect of ATP and Ca2+ on the cell volume
in isolated kidney tubules (Rorive, Klein-
zeller) (274) 226
mellar proteins
On a non-chlorophyllic magnesium fraction
bound to plastidial ----- from Zea mays L.
(Duval, Duranton) (274) 240
Temperature-sensitive agglutinability of
human erythrocytes by ----- (Vlodavsky
et al.) (274) 364
icinamide
Enzymic activities of the brush border
membrane of rat intestine hydrolysing \beta-
naphthylamides of amino acids, ---- and
dipeptides (Auricchio et al.) (274) 420
Erythrocyte membranes-compression of

    phases by increased cholesterol con-

tent (Kroes et al.) (274) 71
Interactions of spin-labeled ---- mole-
cules with natural lipids in monolayers at the
id membranes
(Myers, Haydon) 274) 313
id membranes
```

air-water interface (Tinoco et al.) (274) 279 Ion transfer across ---- in the presence

of gramicidin A. II. The ion selectivity

Ion transport across ——— in the presence of gramicidin A. I. Studies of the unit conductance channel (Hladky, Haydon) (274)

id membrane Permeability of a model — to T<sub>4</sub>

(Chelack et al.) (274) 28 id-protein interaction

Infrared spectroscopic study on the in an artificial lamellar system (Fromherz et al.) (274) 644

osomes Use of Forssman antigen in the study of phosphatidylcholine exchange between - (Ehnholm, Zilversmit) (274) 652

osome membranes Response of fluorescent amines to pH gradients across ——— (Deamer et al.) (274) 323

gnesium fraction On a non-chlorophyllic ——— bound to plastidial lamellar proteins from Zea mays L. (Duval, Duranton) (274) 240 mbrane

Antagonism between salicylate-induced and pH-induced changes in the ———— conductance of molluscan neurons (Barker, Levitan) (274) 638

Membrane fibroblasts (Bingham, Burke) (274) 348 Characterisation of the plasma ----- of Membrane Mycoplasma laidlawii. VIII. Effect of tem-Organisation of proteins in the native and perature shift and anti-metabolites on K+ reformed outer ----- of Escherichia coli transport (Cho, Morowitz) (274) 105 (Bragg, Hou) (274) 478 Membrane Membrane Characterisation of the plasma ---- of Permeability of a model lipid ——— to T<sub>4</sub> Mycoplasma laidlawii. IX. Isolation and (Chelack et al.) (274) 28 characterisation of the membrane poly-Membranes hexosamine (Gilliam, Morowitz) (274) 353 Plasma — from isolated liver cells (Solyom et al.) (274) 631 Membranes Circular dichroism of human erythrocyte Membranes Preparation and properties of 5'-nucleo---- solubilised by n-pentanol (Singer, Morrison) (274) 64 tidases from bovine milk fat globule -Membrane (Huang, Keenan) (274) 246 Correlations between fluorescence, X-ray Membranes diffraction, and physiological properties in Raman spectroscopic study of human erycytoplasmic --- vesicles isolated from throcyte ——— (Bulkin) (274) 649 Escherichia coli (Shechter et al.) (274) 466 Membranes Response of fluorescent amines to pH Membranes Differential isolation of microvillous and gradients across liposome ——— (Deamer basolateral plasma ——— from intestinal et al.) (274) 323 mucosa: mutually-exclusive distribution of Membranes digestive enzymes and ouabain-sensitive Role of space charge in the transport of ions through ---- (Tredgold) (274) 563 ATPase (Fujita et al.) (274) 336 Membranes Membranes Effect of amino acids on thylakoid -Steady and non-steady state properties of during freezing as influenced by side chain bipolar —— (Simons) (274) I and position of the amino group (Tyankova) Membrane Studies of the plasma ——— of normal and (274)75Membrane virus-transformed 3T3 mouse cells (Sheinin, Enzymic activities of the brush border Onodera) (274) 49 —— of rat intestine hydrolysing  $\beta$ -naph-Membrane-ATPase thylamides of amino acids, leucinamide and Polarographic studies on a soluble dipeptides (Auricchio et al.) (274) 420 and aqueous dispersions of phospholipids (Redwood, Godschalk) (274) 515 Membranes Membrane-bound ATPase phases by increased cholesterol content Alternative purification of the ——— from (Kroes et al.) (274) 71 Bacillus megaterium KM, and some properties (Mirsky, Barlow) (274) 556 Membranes - from Myxococcus fulvus (Myxo-Membrane-confined phospholipases A bacterales) containing carotenoid glucosides Distribution of — —— in the rat hepatocyte I. Isolation and composition (Kleinig) (274) (Nachbaur et al.) (274) 426 489 Membrane lipids Membrane Effect of aliphatic alcohols upon the dis-Investigation of specificity in ——— breaksociation of Micrococcus lysodeikticus age occurring during sonication of rough and membrane proteins (Nachbar et al.) microsomal membranes (Svensson et al.) (274) 83 (274) 447 Membrane proteins Are Mycoplasma ———— affected by vari-Membranes ations in membrane fatty acid composition? Ion transfer across lipid ——— in the pres-(Pisetsky, Terry) (274) 95 ence of gramicidin A. II. The ion selectivity

Membrane proteins

Membrane resistance

berg) (274) 505

Membrane structure

(274)83

Effect of aliphatic alcohols upon the dis-

sociation of Micrococcus lysodeikticus mem-

brane lipids and ---- (Nachbar et al.)

Method for measuring the kinetics of energy-dependent changes in the electrical

— of metabolising plant cells (Vreden-

(Myers, Haydon) (274) 313

Ion transport across lipid ---- in the

presence of gramicidin A. I. Studies of the

unit conductance channel (Hladky, Haydon)

Isolation and composition of human thymocyte plasma ———(Allan, Crumpton) (274) 22

Isolation of plasma ——— and endoplasmic

reticulum fragments from chick embryo

Membranes

Membrane

Membrane

(274) 294

- between liposomes (Ehnholm, Zilverof membranous cytochrome oxidase (Vanderkooi et al.) (274) 38 smit) (274) 652 Phospholipases A Membrane transport - as controlling pacemaker of glyco-Distribution of membrane-confined lysis in Saccharomyces carlsbergensis in the rat hepatocyte (Nachbaur et al.) (274) (Becker, Betz) (274) 584 426 Micrococcus lysodeikticus Phospholipases A2 and C Effect of aliphatic alcohols upon the dis-Lytic behaviour of pure ---- towards ossociation of ---- membrane lipids and motically swollen erythrocytes and resealed proteins (Nachbar et al.) (274) 83 ghosts (Woodward, Zwaal) (274) 272 Phospholipids Microsomal membranes Activation by --- of particulate mito-Investigation of specificity in membrane breakage occurring during sonication of chondrial ATPase from rat liver (Pitotti --- (Svensson et al.) (274) 447 et al.) (274) 528 Mineralocorticoid steroids Phospholipid Adsorption and desorption studies of -Action of -— and sex steroids on sodium transport in toad skin (Cirne, Malnic) (274) at the air-water interface (Seimiya, Ohki) (274) 15171 Phospholipids Mitochondrial ATPase Activation by phospholipids of particulate — on the apparent activation Effect of energy of (Na+-K+)-ATPase (Taniguchi, - from rat liver (Pitotti et al.) (274) 528 Iida) (274) 536 Monolayers Interactions of spin-labeled lipid molecules Phospholipids with natural lipids in - at the air-Polarographic studies on a soluble memwater interface (Tinoco et al.) (274) 279 brane-ATPase and aqueous dispersions Mycoplasma laidlawii of ——— (Redwood, Godschalk) (274) 515 Characterisation of the plasma membrane Phospholipid bilayers Effect of surface charge on the water perme-—. IX. Isolation and characterisation of the membrane polyhexosamine ability of — (Graham, Lea) (274) 286 (Gilliam, Morowitz) (274) 353 Phosphorylation B-Naphthylamides Transport and transport-associated ——-Enzymic activities of the brush border of galactose in Saccharomyces cerevisiae membrane of rat intestine hydrolysing (van Steveninck) (274) 575 - of amino acids, leucinamide and di-Photoreception peptides (Auricchio et al.) (274) 420 Ion fluxes in ——— in Limulus ventral eye. I. The response of potassium efflux to light Antagonism between salicylate-induced and (Holt, Brown) (274) 140 Plant cells pH-induced changes in the membrane conductance of molluscan ---- (Barker, Method for measuring the kinetics of energy-dependent changes in the electrical Levitan) (274) 638 membrane resistance of metabolising-5'-Nucleotidases Preparation and properties of ——— from (Vredenberg) (274) 505 bovine milk fat globule membranes (Huang, Plasma membrane Characterisation of the ---- of Myco-Keenan) (274) 246 plasma laidlawii. VIII. Effect of tempera-Quabain ture shift and antimetabolites on K+ trans-Species and tissue differences in the rate of dissociation of ——— from  $(Na^+ + K^+)$ port (Cho, Morowitz) (274) 105 ATPase (Tobin et al.) (274) 551 Plasma membrane Ouabain-sensitive ATPase Characterisation of the ---- of Mycoplasma laidlawii. IX. Isolation and charac-Differential isolation of microvillous and basolateral plasma membranes from intesterisation of the membrane polyhexosamine (Gilliam, Morowitz) (274) 353 tinal mucosa: mutually-exclusive distribution of digestive enzymes and -Plasma membranes Differential isolation of microvillous and (Fujita et al.) (274) 336 basolateral ——— from intestinal mucosa: n-Pentanol Circular dichroism of human erythrocyte mutually exclusive distribution of digestive membranes solubilised by ---enzymes and ouabain-sensitive ATPase Morrison) (274) 64 (Fujita et al.) (274) 336 Phosphatidylcholine exchange Plasma membranes Isolation of a protein from beef liver which - from isolated liver cells (Solyom specifically stimulates the ---- (Wirtz et al.) (274) 631 Plasma membrane et al.) (274) 606 Isolation and composition of human thymo-Phosphatidylcholine exchange Use of Forssman antigen in the study of cvte ——— (Allan, Crumpton) (274) 22

Sex steroids

Plasma membrane	Action of mineralocorticoid steroids and
Isolation of ——— and endoplasmic reti-	on sodium transport in toad skin
culum fragments from chick embryo fibro-	(Cirne, Malnic) (274) 171
blasts (Bingham, Burke) (274) 348	Smooth muscle
Plasma membrane	Potassium: ATP ratios in (Ranga-
Studies of the ——— of normal and virus-	chari et al.) (274) 462
transformed 3T3 mouse cells (Sheinin,	Sodium, potassium-dependent ATPase
Onodera) (274) 49	Differential modification of the ——— by
Polyhexosamine	dimethylsulphoxide (Robinson (274) 542
Characterisation of the plasma membrane	Sodium, potassium-stimulated ATPase
of Mycoplasma laidlawii. IX. Isolation and	Effect of phospholipids on the apparent ac-
characterisation of the membrane ———	tivation energy of ——— (Taniguchi, Iida)
(Gilliam, Morowitz) (274) 353	(274) 536
Potassium: ATP ratios	Sodium, potassium-stimulated ATPase
in smooth muscle (Rangachari et al.)	Species and tissue differences in the rate of
(274) 462	dissociation of ouabain from ——— (Tobin
Potassium efflux	et al.) (274) 551
Ion fluxes in photoreception in Limulus	Sodium transport
ventral eye. I. The response of ——— (Holt,	Action of mineralocorticoid and sex steroids
Brown) (274) 140	on ——— in toad skin (Cirne, Malnic) (274)
Potassium transport	171
Characterisation of the plasma membrane	Spheroplasts
of Mycoplasma laidlawii. VIII. Effect of	Agglutination of bacterial ———. I. Effect
temperature shift and antimetabolites on	of concanavalin A (Maruyama) (274) 499
——— transport (Cho, Morowitz) (274) 105 Potassium transport	Steroid binding sites
Effect of cell volume on ——— in human	Localisation and characterisation of of human erythrocytes (Brinkmann, van der
erythrocytes (Poznansky, Solomon) (274) 111	Molen) (274) 370
Protein	Sterol fluxes
Intestinal absorption and gastro-intestinal	in the digestive tract of the rat.
digestion of ——— in the young rat during	Absorption of synthesised cholesterol (Che-
the normal cortisone-induced post-closure	vallier, Lutton) (274) 382
period (Jones) (274) 412	Sugar transport
Protein	Effect of ethacrynic acid on active —
Isolation of a ——— from beef liver which	and ion transport and on other metabolic
specifically stimulates the exchange of phos-	processes in rabbit kidney cortex (Epstein)
phatidylcholine (Wirtz et al.) (274) 606	(274) 128
Proteins	Thylakoid membranes
Organisation of ——— in the native and	Effect of amino acids on — during
reformed outer membrane of Escherichia	freezing as influenced by side chain and posi-
coli (Bragg, Hou) (274) 478	tion of the amino group (Tyankova) (274) 75
Proteins	Thymocyte
Role of intestinal transport ——— in corti-	Isolation and composition of human ———
sone-mediated suppression of calcium ab-	plasma membrane (Allan, Crumpton) (274)
sorption (Krawitt) (274) 179	22
Protein-lipid interaction	Toad skin
Infrared spectroscopic study on the	Action of mineralocorticoid and sex steroids
in an artificial lamellar system (Fromherz	on sodium transport in ——— (Cirne,
et al.) (274) 644	Malnic) (274) 171
Proteolipid	Transport
Binding of α-bungarotoxin to the cholin- ergic receptor ———— from Electrophorus	Role of intestinal —— proteins in corti-
ergic receptor ————————————————————————————————————	sone-mediated suppression of calcium ab-
electroplax (Fiszer de Plazas, De Robertis)	sorption (Krawitt) (274) 179
(274) 258 Salicylate	Transport and of galactese in Sac
Antagonism between ————————induced and	Transport and ——— of galactose in Sac- charomyces cerevisiae (van Steveninck)
pH-induced changes in the membrane con-	(274) 575
ductance of molluscan neurons (Barker,	Water-air interface
Levitan) (274) 638	Interactions of spin-labeled lipid molecules
Sarcoplasmic reticulum	with natural lipids in monolayers at the
Role of cholesterol in the Ca <sup>2+</sup> uptake and	——— (Tinoco et al.) (274) 279
ATPase activity of fragmented ——	Water permeability
(Drabikowski et al.) (274) 158	Effect of surface charge on the - of phos-
Sex steroids	pholipid bilayers (Graham, Lea) (274) 286

pholipid bilayers (Graham, Lea) (274) 286