

AUTHOR INDEX

	Page #		Page #
Aller, S.	53	James, M.O.	119
Amsler, K.	42	Kelley, G.G.	53
Andrake, J.S.	109	Kidder, G.W.	14
Ballatori, N.	74	Kinne, R.	60,76,78
Barbey, M.- M.	22	Kinne-Saffran, E.	60
Bevan, C.	60,76	Kleinow, K.M.	122
Borke, J.L.	48	Kleinzeller, A.	47,52,61,68,80,84
Booz, G.W.	47,68	Kloas, W.	25
Boyer, J.L.	74,116	Koob, T.J.	124,126
Brill, S.	65	Kormanik, G.A.	12
Brown, O.M.	109	Kumar, R.	48
Cahill, J.M.	122	Lahlou, B.	36
Callard, G.V	30	Landsberg, J.	81
Callard, I.P.	32,127	Lear, S.	70
Callewaert, G.	94	Lechene, C.P.	70
Cantley, L.	106	Linser, P.J.	7
Charney, A.N.	46	Lowenstein, B.	36,92
Chauncey, B.	76	Lutjen-Drecoll, E.	28
Claiborne, J.B	44	Maggee, V.	119
Clark, B.	16	Maren, T.H.	60
Cleemann, L.	94,98	Marshall, H.	127
Cohen, B.J.	70	Martinez, J.M.	65
Compton-McCullough, D.	44	McCallum, S.	61,64
Conrad, G.W.	1	McElroy, A.E.	122
Coutermarsh, B.A.	84	McManus, T.J.	17,57
Cox, D.L.	124,126	Mills, J.W.	68,80,84
Cuevas, M.E.	30	Morad, M.	94,96,98,100,101
Davis, K.S.	90	Morrison, A.I.	108,118
Dickman, K.	62	Musch, M.W.	78
Dukes, I.D.	96,98,100,101	Nabauer, M.	96,100
Ecay, T.W.	72	Newman, E.A.	103
Epstein, F.H.	16,20,48,70,81,88	Orkand, A.	101
Evans, D.H.	4,6,10,39	Payne, J.A.	47,57
Feldman, G.M.	52,61,64	Penniston, J.T.	48
Fels, L.M.	22,25	Rappaport, R.	3
Flugel, C.	28	Reese, J.C.	127
Flugge, G.	25	Reichlin, S.	81
Forrest, J.N.	53	Salazar, P.	84
Friedman, P.A.	56	Scheide, J.I.	86,92
Fuchs, E.	25	Schell, J.D.	119
Goldstein, L.	62,65,78	Sellinger, M.	74
Gordon, E.R.	116	Shetlar, R.E.	60,108,118
Hebert, S.C.	56	Silva, M.	81
Herman, C.A.	65	Silva, P.	16,20,70,81,88,106
Holleland, T.	112,114	Silva, Jr.,P.	81
Humbaugh, K.E.	116	Solomon, G.	20

	Page #
Solomon, R.	20,88
Soose, M.	22
Sorbera, L.A.	32,96,101
Spokes, K.	106
Starke, L.C.	17
Stolte, H.	22,25
Taylor, M.	16
Towle, D.W.	112,114,118
Tse, A.	53
Valentich, J.D.	72
Walton, J.	44
Weingarten, K.E.	4,6,10
Wiederholt, M.	28
Wondergem, R.	90
Wrestler, J.	112,114
Zadunaisky, J.A.	28,36,46,86,92
Zanotti, R.	101
Ziyadeh, F.N.	52,61,68,80

KEYWORD INDEX

	Page #		Page #
AMP	70	Gastric Mucosa	14
ANP	16	Gills	44
ANP binding sites	25	Glial cells	103
Acetylcholine	109	Glomerulus	22
Acid-base regulation	44	Glucose transport	47
Acid-base variables	46	Heart	94,96,98,100,101
Adenosine	4	Hydrolic conductivity	22
Adhesion, cellular	1	In vitro translation	108
Atriopeptin	39	Inositol phosphate	72
Atrium	39	Intestine	78,108
Barium chloride	46	Isolated pigmented epithelium	28
Benzo(a)pyrine	119	Kidney	25,44,56,60,108
Bile pigments	116	Kidney distal tubule	48
Biliverdin reductase	116	Lead	6
Bioavailability	119,122	Liver plasma membrane	74
Biotransformation	119	Membrane proteins	106
Bombesin	81	Mercuric chloride	88
Brain	39	Mercury	6,74,78,90
Bumetanide	46	Metal binding proteins	127
Cadmium	10,76,84,109,114	Metallothioneins	127
Caffeine	94	Methylglucose transport	47
Calcium	124	Mitotic apparatus	3
Calcium channel(s)	96,100	mRNA	108
Calcium release from SR	94	Muscarinic receptors	10
Carbonic anhydrase	7	Myometrium	32
Catechol oxidase	126	Na ⁺ /H ⁺ exchange	64
Cell volume	65,68	Na ⁺ /K ⁺ -ATPase	114
Chloride	53	Na/H exchange	17,57
Chloride cells	48	Na/H exchanger	60
Chloride excretion	20	Nephron	56
Chloride secretion	36	Neurotransmitters	81
Chloride transport	28,42,88,106	Nickel	6,53
Ciliary body	28	Opercular epithelium	36,86
Cleavage	1	Optical measurement techniques	98
Cobalt	6	Oxygen consumption	14
Contraction	3	p-chloromercurylbenzoyl	
Contraction regulation	96	sulfonic acid	88
Copper	86,92	PCMBS	80,84
Cornea	92	Phorbol esters	57
Cultured cells	90	Pilosomes	106
Cyclic AMP	70	Plasma	16
Cytokinesis	3	Plasma membrane Ca ⁺⁺ pump	48
Dithiothreitol	92	Polar lobe formation	1
E-C Coupling	98	Polycyclic aromatic	122
Egg	65	hydrocarbons	
Eicosanoids	65	Potassium	70
Electric organ	109	Potassium currents	103
Embryos	65	Potassium-induced swelling	68
Erythrocytes	47	Protein permeability	22

	Page #
Radical formation	22
Rectal gland	42,52,53,61, 64,68,70,72, 80,81,84,88, 106,108
Red blood cells	62
Red cells	17,57
Renal acidification	60
Renal brush border	76
Renal gland	20
Retina	7
Rubidium flux	78
Sertoli cells	30
Single myocyte isolation technique	101
Skate egg capsule	124,126
Sodium alanine	74
Sodium pump	70
Sodium-alanine cotransport	76
Steroid/peptide regulation	32
Steroidogenesis	30
Taurine transport	52
Teleost	46
Testis	30
Thiol groups	80
Transmembrane potential	90
Urea transport	56
Vasoactive intestinal peptide	72,81
Vasodilation	4
Ventral aorta	4,10
Ventricle	39
Voltage clamp	103
Volume regulation	17
Zinc	6,114

SPECIES INDEX

<u>Anguilla rostrata</u> (American eel).....	16,48
<u>Carcinus maenas</u> (Green shore crab).....	114
<u>Echinarachnius parma</u> (sand dollar).....	3
<u>Fundulus heteroclitus</u> (killifish).....	36,86
<u>Homarus americanus</u> (lobster).....	119
<u>Ilyanassa obsoleta/Nassarius obsoletus</u> (mud whelk).....	1
<u>Myoxocephalus octodecimspinosus</u> (longhorned sculpin).....	39,44
<u>Myxine glutinosa</u> (hagfish).....	22,25,39
<u>Pseudopleuronectes americanus</u> (winter flounder).....	39,46,47,76,78,122
<u>Raja erinacea</u> (little skate).....	14,62,65,74,109,116,124,126,127
<u>Raja ocellata</u> (winter skate).....	7
<u>Rana catesbiana</u> (bullfrog).....	92
<u>Ratus ratus</u> (rat).....	98
<u>Scomber scombrus</u> (Atlantic mackerel).....	17
<u>Squalus acanthias</u> (spiny dogfish).....	1,3,4,6,10,20,28 30,32,39,42,52 53,56,57,60,61 64,68,70,72,80 81,84,88,90,96 100,103,106,108