

CUMULATIVE INDEX

Derived from the keywords and titles of chapters and abstracts of miniworkshops from current and previous volumes of the A.B.L.E. Proceedings. Roman numerals are volume numbers; Arabic numerals are chapter numbers; Arabic numerals preceded by M are abstracts of miniworkshops.

- acid-base formation, I 2
- acidic proteins, III 12
- agglutination, IV 6
- algae, III 10; IV 4
 - sources, I 1
- alternation of generations, II 11
- amylase, I 6
- anatomy, plant, II 1; IV 5
- animal organs (sources), I 1
- anthropomorphism, I 12
- antibacterial, III 11
- anti-juvenile hormone, III 6
- anti-allatotropin, III 6
- Apis mellifera*, I 11
- Armidillidium vulgare*, I 12
- arthropods, III 7

- bacteriophage T4, II 4
- barnacle, III 10
- biochemical oxygen demand, I 13
- biochemical pathway, I 9
- biochemistry, II 7; IV M6
- biomechanics, II 6
- blood, II 5
 - sampling of, IV 2
 - types, IV 6
- Brassica* mutants, I 10

- callus culture, III 3
- camera, 35mm, III 2
- cannulation, IV 2
- carrot, III 3
- casts, III 9
- cell culture, I 4
- cell elongation, IV 4
- cell organelles, I 3
- cell propagation, I 4
- cercus, III 7

- Chara*, I 2
- chemoreceptor, III 7
- chemotaxis, II 11
- chi-square, I 12
- chloroplast extraction, II 3
- chromatin, III 12
- chromosomes, I 8; III 12; IV M9
- chronic electrodes, II 9
- ciliate, IV 9, M5
- classification, IV 1, 5, M13
- coal ball, III 9
- cockroach, I 6; III 7
- coliforms, I 13
- colonies, honey bee, I 11
- complementation assay, II 4
- compressions, III 9
- computer simulation, II 7
- concanavalin A, IV 6
- confidence levels, I 12
- corpora allata, III 6
- courtship, III 8
- cricket, III 7
- cycads (sources), I 1
- cyclosis, I 2
- cytochemistry, I 3
- cytological staining, I 4
- cytoplasmic streaming, I 2; IV M11

- deletion analysis, II 4
- development, III 4, 5, 6; IV 4, M2
- development, plant, II 11, 12
- differential staining, II 1
- diffusion, II 5; III 11
- digestion, I 6
- display of plants, II 2
- dissection kits (sources), I 1
- dissolved carbon dioxide, I 13

131

131

131

- dissolved oxygen, I 13
 diversity, IV 7
 index of, I 13
 DNA, III 12
- E. coli* host, permissive/restrictive, II 4
 ecological niche, I 12
 ecology, II 8; III 10
 ecosystem, I 13
 dynamics of, IV 8
 educationally-disadvantaged students,
 IV 1
 electroantennogram, I 11
 electrophysiology, II 9
 elongation, IV 4
 embryo, II 11; III 8
 chick, III 5
 embryology, II 11; III 4
 energy flow, IV 7, 8
 energy metabolism, I 7
 environment, II 8
 enzyme, I 6; III 11; IV 1
Erwinia, I 5
 erythrocyte, II 5; IV 6
 ethology, III 7
 evolution, IV 5
 exercise, I 7
 experimental design, III 10
- fasting, I 7
 fern, II 11, 12; IV 5
 fertilization, II 11
 film loops, I 1
 films, I 1
 fly, III 7
 fossil, plant, III 9
 freshwater, I 13
 frogs (sources), I 1
- Game, Metabolism, IV M1
 gamete, IV M2
 gametophyte, II 11
 gene mapping, II 4
 genetics, I 10; III 12; IV 1; IV M4
 germination of pollen, IV M11
 gibberellic acid, II 11; IV M10;
 glucose, I 7
 glycogen, I 7
 grafting, IV 9
 grasshopper, II 9
- Griffithsia*, IV 4
 growth, III 6
 guppy, III 8
- H ion extrusion, I 2
 habituation, I 12
 hand sectioning, II 1
 handicapped, III 1
 heart, III 5
 hemolysis, II 5
 herbivore, I 12
 hermit crab, I 12
 hierarchy, III 7
 Hill reaction, II 3
 histones, III 12
 honey bee, I 11
 hormone, III 6
 houseplants, II 2
 human karyotypes, IV M12
 hypothesis, III 10
- Impatiens*, IV M11
 impressions, III 9
 in vitro culture, I 4
 infusion, IV 2
 insect flight, II 10
 insects, III 6, 7
 sources, I 1
 intertidal zone, III 10
 isopod, I 12; III 7
- juvenile hormone, III 6
- karyotypes, I 8; IV M12
 kinematic model, II 6
 kineses, I 12; III 7
 Koch's postulates, I 5
- land snail, I 12
 learning cycle, IV 1
 lectin, IV 6
 limiting factor, I 12
 limpet, III 10
 lipase, I 6
 liver, I 7
 living cells, I 3
 living organisms (sources), I 1
Lygodium, II 11
 lysis, II 5
 lysozyme, III 11
Lytechinus variegatus, III 4

- macrophotography, III 2
- maize, III 3
- marine organisms (sources), I 1
- Marsilea*, II 11, 12
- measurement, IV 1
- mechanoreceptor, III 7
- medaka, II 12
- meiosis, IV M4
- membrane, II 5; IV 6
- Metabolism Game, IV M1
- microbiology, II 7; III 11
- Micrococcus lysodeikticus*, III 11
- microecosystem, IV 7
- microexcavation, III 9
- microscopy,
 - fluorescence, IV 4
 - phase, I 4
 - polarized-light, I 3; II 1
- microsurgery, IV 9
- milkweed bug, III 6
- molds, III 9
- monolayers, I 4
- morphology
 - fern, IV 5
 - honey bee, I 11
 - plant shoots, IV M7
- morphogenesis, IV 9
- motility, sperm, II 11; III 8
- motion-detector cells, II 9
- mouse, I 7
- muscle, I 7; II 6,9

- neurobiology, II 10
- neurotransmitter, IV 3
- Nitella*, I 2
- nitrate, I 3
- nuclear manipulation, IV 9
- null hypothesis, I 12

- OH ion efflux, I 2
- organ culture, III 5
- orthokinesis, III 7
- orthopedically impaired, III 1
- Oryzias Latipes*, II 12
- osmosis, II 5
- osmotic pressure, II 5
- ovary, III 8

- Pagurus longicarpus*, I 12
- particle uptake, IV M5
- pathogen, I 5

- pea, dwarf plants, IV M10
- permeability, II 5
- petrifications, III 9
- pH, I 13
- phosphate, I 13
- photography, biological, III 2
- photomicrography, I 3
- photomicroscopy, I 4
- photomorphogenesis, II 11
- photosynthetic pigments, IV 4
- photosynthesis, II 3
- phototropism, II 11; IV 4
- plant cloning, I 4
- plant physiology, II 2
- Plato system, II 7
- Poecilia reticulata*, III 8
- pollen, IV M11
- pollution, IV 7
 - oil, III 10
- Polygyra* sp., I 12
- polytene chromosomes, III 12; IV M9
- population, II 8
 - sampling of, IV M3
- precocene-II, III 6
- predator, II 8
- predigiosin, I 9
- prey, II 8
- primary growth, IV M10
- propagation, plant, II 11
- protease, I 6
- protoplasmic streaming, I 2
- Pteridium aquilinum*, II 11

- r mutants, II 4
- rat, IV 2
- reasoning skills, IV 1
- receptive fields, skin, II 10
- recombination test, II 4
- red blood cell (see erythrocyte)
- reflex, III 7
 - stretch, II 10
- regeneration, II 11; IV 9
- replication, III 12
- reproductive behavior, III 8
- root zone, II 2
- roots, II 2
- rotting-log community, I 12

- sampling of population, IV M3
- sea urchin, III 4; IV M2
 - sources, I 1

- self-regulation, IV 1
 sensitive plant, II 10
Serratia marcescens, I 9
 sex expression, II 11
 sign test, I 6
 simulation, II 8; III 10
 skeletal system, II 6
 slug, IV 3
 soft rot, I 5
 soil properties, II 2
Sordaria fimicola, IV M4
 spectrophotometer, II 5
 sperm, II 11; III 8
 statistics, I 6, 12
Stentor coeruleus, IV 9
 stream, I 13
 structural organization of cell, I 3
 succession, IV 7
 sucrase, I 6
 surface exudation, IV 3
 surgery, IV 2

 T-maze, I 12
 taxes
 animal, I 12; III 7
 plant, II 11
 taxonomy (see classification)
- teaching, IV M8
 teleost, II 12
 testis, III 8
Tetrahymena, IV M5
 2-thiouracil, II 11
 tissue arrangement, plant, II 1
 tissue culture, I 4; III 3
 toluidine blue, II 1
 tonic, hypo-/hyper-/iso-, II 5
 totipotency, II 11
 transcription, III 12
 translation, III 12
 trophic levels, IV 8
 turbidity, I 13
 turbidometric assay, III 11

 vertebrates, I 8; II 6
 video training of lab instructors, IV M8
 visual aids, IV M6
 visually impaired, III 1
 vital staining, I 3
 vivisection, I 1

 water fern, II 12
Woodwardia virginica, II 11