

CONTENTS VOLUME 39 NO. 1 1968

COMMUNICATIONS

- C1 D. W. STANLEY and H. O. HULTIN. Mechanism of emptying of skeletal muscle cell segments

REGULAR ARTICLES

- 1 R. G. KESSEL and W. R. PANJE. Organization and activity in the pre- and postovulatory follicle of *Necturus maculosus*
- 35 ELDON H. NEWCOMB, MARTIN W. STEER, PETER K. HEPLER, and WILLIAM P. WERGIN. An atypical crista resembling a "tight junction" in bean root mitochondria
- 43 VICTOR J. MATUKAS and GEORGE A. KRIKOS. Evidence for changes in protein polysaccharide associated with the onset of calcification in cartilage
- 49 CARL M. FELDHERR. Nucleocytoplasmic exchanges during early interphase
- 55 RICHARD S. THOMAS and JOHN W. GREENAWALT. Microincineration, electron microscopy, and electron diffraction of calcium phosphate-loaded mitochondria
- 77 PETER SATIR. Studies on cilia. III. Further studies on the cilium tip and a "sliding filament" model of ciliary motility
- 95 BLAIR BOWERS and EDWARD D. KORN. The fine structure of *Acanthamoeba castellanii*. I. The trophozoite
- 112 R. SOEIRO, M. H. VAUGHAN, J. R. WARNER, and J. E. DARNELL, JR. The turnover of nuclear DNA-like RNA in HeLa cells
- 119 W. EUGENE FOOR. Zygote formation in *Ascaris lumbricoides* (Nematoda)
- 135 GEORGE ODLAND and RUSSELL ROSS. Human wound repair. I. Epidermal regeneration
- 152 RUSSELL ROSS and GEORGE ODLAND. Human wound repair. II. Inflammatory cells, epithelial-mesenchymal interrelations, and fibrogenesis
- 169 RICHARD W. YOUNG and BERNARD DROZ. The renewal of protein in retinal rods and cones
- 185 YECHEZKIEL STEIN, CHRISTOPHER WIDNELL, and OLGA STEIN. Acylation of lysophosphatides by plasma membrane fractions of rat liver

BRIEF NOTES

- 193 K. CHENG-MINODA, J. DAVIDOWITZ, A. LIEBOWITZ, and G. M. BREININ. Fine structure of extraocular muscle in rabbit
- 197 R. J. PODOLSKY. Deposit formation in muscle fibers following contraction in the presence of lead
- 201 DONALD ORLIC. The use of ^{55}Fe in high-resolution radioautography of developing red cells
- 208 BARRY FRIEDMAN, PIERRE BLAIS, and PATRICIA SHAFFER. Fine structure of Millipore filters
- 211 AWTAR KRISHAN, DORA HSU, and PATRICIA HUTCHINS. Hypertrophy of granular endoplasmic reticulum and annulate lamellae in Earle's L cells exposed to vinblastine sulfate
- 216 S. S. SPICER, J. H. HARDIN, and W. B. GREENE. Nuclear precipitates in pyroantimonic-tetroxide-fixed tissues
- 222 DAVID R. WOLSTENHOLME and IGOR B. DAWID. A size difference between mitochondrial DNA molecules of urodele and anuran amphibia