

CONTENTS VOLUME 69 JULY 1984

- page 1 WISE, D., SILLERS, P. J. AND FORER, A. Non-random chromosome segregation in *Neocurtilla hexadactyla* is controlled by chromosomal spindle fibres: an ultraviolet microbeam analysis
- 19 CZOZOWSKA, R., MODLIŃSKI, J. A. AND TARKOWSKI, A. K. Behaviour of thymocyte nuclei in non-activated and activated mouse oocytes
- 35 BRUNETTE, D. M. Mechanical stretching increases the number of epithelial cells synthesizing DNA in culture
- 47 STREIBLOVÁ, E., HAŠEK, J. AND JELKE, E. Septum pattern in *ts* mutants of *Schizosaccharomyces pombe* defective in genes *CDC3*, *CDC4*, *CDC8* and *CDC12*
- 67 WHITE, F. H., THOMPSON, D. A. AND GOHARI, K. Ultrastructural morphometry of gap junctions during differentiation of stratified squamous epithelium
- 87 AL-RABAEI, R. H. AND SIGEE, D. C. Scintillation and autoradiographic studies on ⁶³nickel uptake in *Pseudomonas tabaci*
- 107 BOURGEOIS, C. A., COSTAGLIOLA, D., LAQUERRIERE, F., BARD, F., HEMON, D. AND BOUTEILLE, M. *In situ* arrangement of NOR-bearing chromosomes in the interphase nucleus of *Aotus trivirgatus*
- 117 ROBERTS, T. M. AND STREITMATTER, G. Membrane-substrate contact under the spermatozoon of *Caenorhabditis elegans*, a crawling cell that lacks filamentous actin
- 127 WILLIAMS, E. G., KNOX, R. B., KAUL, V. AND ROUSE, J. L. Post-pollination callose development in ovules of *Rhododendron* and *Ledum* (Ericaceae): zygote special wall
- 137 GOWING, L. R., TELLAM, R. L. AND BANYARD, M. R. C. Microfilament organization and total actin content are decreased in hybrids derived from the fusion of HeLa cells with human fibroblasts
- 147 ROBERTSON, J. G. AND LYTTLETON, P. Division of peribacteroid membranes in root nodules of white clover
- 159 MAEDA, M. Control of cellular differentiation by temperature in the cellular slime mould *Dictyostelium discoideum*
- 167 SOUTO-PADRÓN, T., DE SOUZA, W. AND HEUSER, J. E. Quick-freeze, deep-etch rotary replication of *Trypanosoma cruzi* and *Herpetomonas megaseliae*
- 179 ARMSTRONG, P. B. AND ARMSTRONG, M. T. A role for fibronectin in cell sorting
- 199 CREANOR, J. AND MITCHISON, J. M. Protein synthesis and its relation to the DNA-division cycle in the fission yeast *Schizosaccharomyces pombe*