## Contents

Volume 99 (1) 1987

embryos

Editorial statement	1	Butler, J. and Cosmos, E.	
Smith, J. C. A mesoderm-inducing factor is produced by a Xenopus cell line	3	Brachial muscles of dystrophic chick embryos atypically sustain interaction with thoracic nerves	77
Etkin, L. D. and Pearman, B. Distribution, expression and germ line transmission of exogenous DNA sequences following microinjection into <i>Xenopus laevis</i>		Bode, P. M. and Bode, H. R. Formation of pattern in regenerating tissue pieces of <i>Hydra attenuata</i> . IV. Three processes combine to determine the number of tentacles	89
Muggleton-Harris, A. L. and Higbee, N. Factors modulating mouse lens epithelial cell	15	Wilson, D. J. and Hinchliffe, J. R. The effect of the zone of polarizing activity (ZPA) on the anterior half of the chick wing bud	99
morphology with differentiation and development of a lentoid structure <i>in vitro</i>		Tam, P. P. L. and Beddington, R. S. P. The formation of mesodermal tissues in the	
Herrmann, K. and Berking, S. The length of S-phase and G <sub>2</sub> -phase of		mouse embryo during gastrulation and early organogenesis	109
epithelial cells is regulated during growth and morphogenesis in <i>Hydra attenuata</i>	33	Scott, W. J. Jr, Nau, H., Wittfoht, W. and Merker, HJ.	
Elsdale, T. and Davidson, D. Timekeeping by frog embryos, in normal		Ventral duplication of the autopod: chemical induction by methoxyacetic acid in rat embryos	127
development and after heat shock	41	Kato, Y., Nair, K. K., Dyer, K. A.	
Frankel, J. and Nelsen, E. M. Positional reorganization in compound janus cells of Tetrahymena thermophila		and Riddiford, L. M. Changes in ploidy level of epidermal cells during last larval instar of the tobacco	
Hollands, P.  Differentiation and grafting of haemopoietic stam calls from early postimplantation mouse.		hornworm, <i>Manduca sexta</i>	137

69