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## Journal of Morphology, Vol. 30 (Classic Reprint)

By J S Kingsley

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Journal of Morphology, Vol. 30 The existence of gradients in susceptibility to various agents has been demonstrated for the eggs and developmental stages of starfish and sea-urchin (Child, 15 c, 16 a), and the control and modification of development through differential susceptibility in the sea urchin (Child, 16 c) has shown the fundamental significance for the development of this form of the axial gradients in metabolic activity and protoplasmic condition of which the susceptibility gradients are indicators. In the light of the results obtained with echinoderms, the desirability of extending investigations along these lines to other forms is evident. Since the polychete differs so widely from the echinoderm in its highly determinate cleavage, its very early larval differentiation and its apparently limited regulatory capacity in early developmental stages, the investigation of its development by means of the susceptibility methods is of particular interest, not only for the purpose of comparison of the two sharply contrasting forms, but as a further contribution to the general theory of organization. Such an investigation must determine as far as possible,...



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