



Carnegie Institution of Washington Publication Volume 19 (Paperback)

By Carnegie Institution of Washington

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1904 Excerpt: .the pigment is deposited in the chitinous layers bears out this idea. I have as yet made no attempt to derive the yellow hypodermal pigment from the pupal hsemolymph; but it is undoubtedly so derived, though probably indirectly, through the intervention of the hypodermal cells. Moreover, it has been shown by Pappenheim (19) that in all series of color compounds yellow has always the simplest chemical composition, and that the color deepens through orange to brown and black, or through green to red and violet with an increase in molecular complexity. It might therefore easily be the case that the chitin elaborated in the neighborhood of certain developing structures is influenced by the metabolism of these structures, so as to vary slightly in its state of oxidation or reduction. So far, however, we have been able to learn nothing as to the nature of the color...



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