

Copy of a printed microscope image of "Muscle of drosophila"

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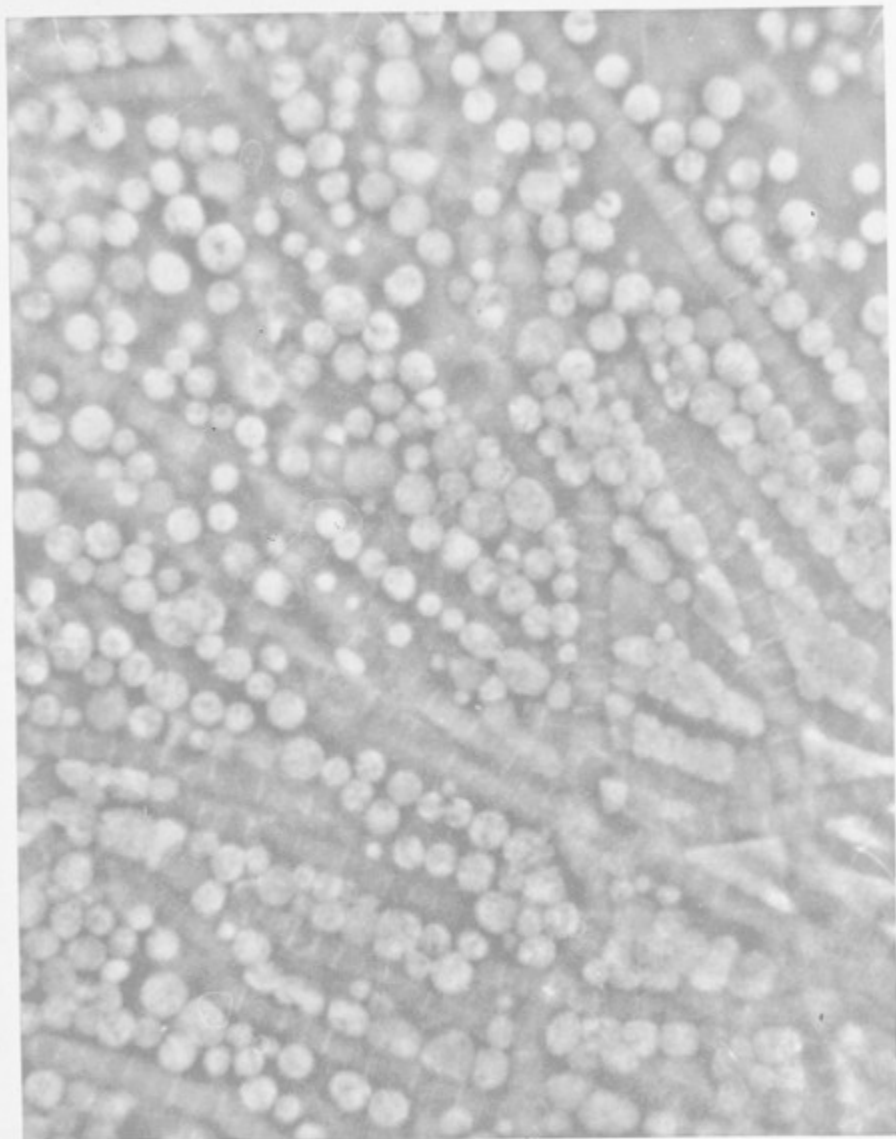


FIG. 2. Fresh fibrillar muscle of *Drosophila* after minimal teasing in a drop of pupal hemolymph of the *Cecropia* silkworm. Bright contrast, oil immersion, phase-contrast objective. $\times 2000$.

Materials and Methods

1. *Experimental Animals*.—All experiments reported here were performed on *Drosophila funebris* or the blowfly *Phormia regina*. The *Drosophila* were reared and

isolated at 25°C in molasses, covered during the first 24 hours in bottles every 24 hours by the method of intervals and

2. *Isolation*.—Muscle was removed from 1 ml. of ice cold water, the resulting muscle was previously been removed as sarcosomes and the nuclei remained in the pellet. Forty per cent of the muscle was removed. Other methods

A small amount of muscle was teased out of the thorax of 1000 flies in a solution (Eppendorf) according to the method of Hetherington and Benda's method.

Sarcosomes were dissolved by the blood and not homogenized in granular material.

A slow but steady slides coated with a thin layer of tissue. This was a muscular fiber.

Regaud's method of sections of muscle was so interesting and selective as

¹ We are fixing tissue