

1-1-1915

Über die Entstehung der Eugsterachen Zwitterbienen Summary

T. Boveri

Follow this and additional works at: https://digitalcommons.usu.edu/bee_lab_bo



Part of the [Entomology Commons](#)

Recommended Citation

Boveri, T., "Über die Entstehung der Eugsterachen Zwitterbienen Summary" (1915). *Bo*. Paper 67.
https://digitalcommons.usu.edu/bee_lab_bo/67

This Article is brought to you for free and open access by the Bee Lab at DigitalCommons@USU. It has been accepted for inclusion in Bo by an authorized administrator of DigitalCommons@USU. For more information, please contact digitalcommons@usu.edu.



"Über die Entstehung der Eugsterschen Zwitterbienen"

Roux' Archiv f. Entwicklungsmech. 41; pp. 264-311; 2 text fig., 2 plates

Primarily a cytological study. Morphological observations ancillary.

The author presents a very detailed and heavily-documented study of the problem of the origin of von Siebold's Eugster gynandromorph bees. He makes a very detailed study of the distribution of racial characters in these bees, reviews known data regarding normal process of fertilization in the bee egg, and draws upon contemporary knowledge of polyspermy, fertilization, and early embryology and concludes that the observable conditions in these bees can best be explained on the basis of delayed fertilization (i.e. union of a sperm nucleus with a daughter nucleus of an egg nucleus that had begun to divide parthenogenetically, whereby the "male" parts of the mosaic would be of purely parthenogenetic (maternal) origin, and the "female" areas hybrid. He finds that the observations and data available do not favor Morgan's dispermy theory whereby the male areas would be derived from sperm nuclei (paternal).

J.M.

Received
K. 1915
J.M.

Boveri, T. 1915.

summary.