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*The histological structure of the vesiculae seminales in the honeybee
(Apis mellifica L.).*

Communication de M. T. WOYKE.

The author, after having made a cross section of the vesiculae seminales of a bee, came to the conclusion that the epithelial cells lining them do not form rings, as was previously reported, but form folds arranged in spirals. Four parallel spirals are found side by side. The twist of the spirals in both vesiculae seminales corresponds to the movement of the clock hand, with a simultaneous turn towards the sex aperture.

Outside the epithelium the author found not two, as hitherto described, but three layers of muscle fibres.

The interior layer is composed of longish fibres, few in number.