

The early stages of *Zygaena (Agrumenia) sedi* Fabricius, 1787 (Lepidoptera: Zygaenidae)

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While studying Zygaenidae in the Crimean peninsula, a population of *Zygaena (Agrumenia) sedi* Fabricius, 1787, was discovered near Sudak (eastern part of the southern coast of the Crimean peninsula). The description of the hitherto unknown early stages of this species is given below.

Ovum (Fig. 1).

Ovoid, pale yellow. June; deposited on a leaf in a batch consisting of a single layer arranged in a row, the eggs slightly overlapping each other.

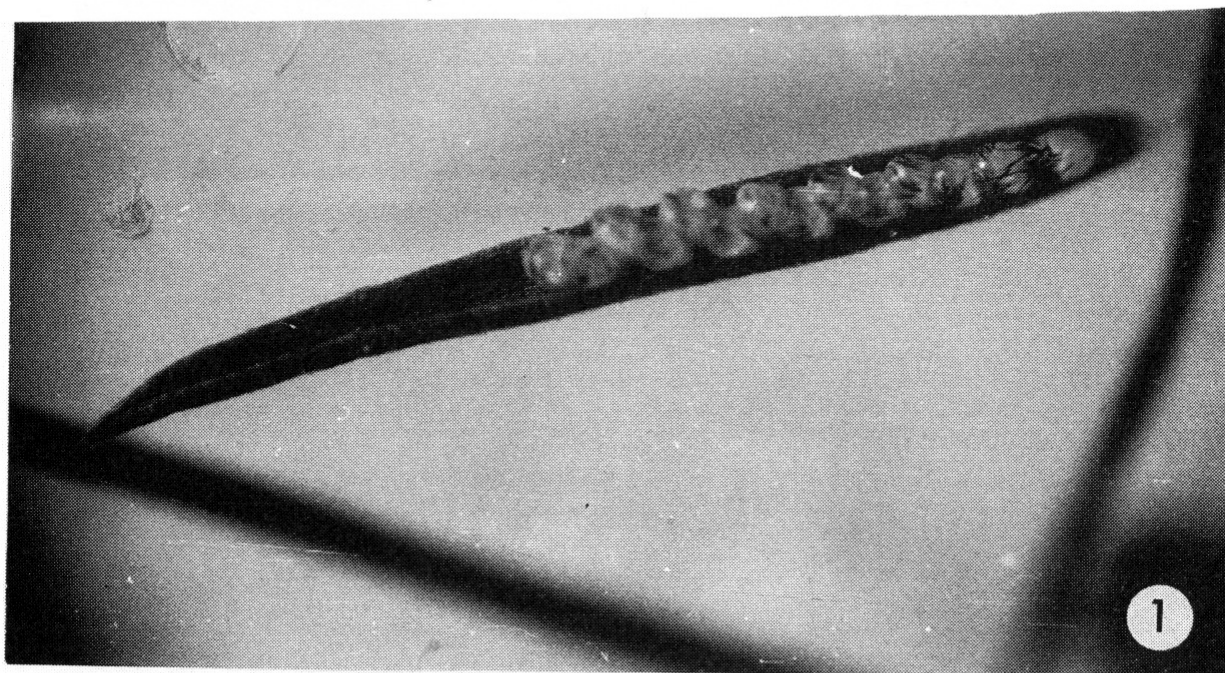
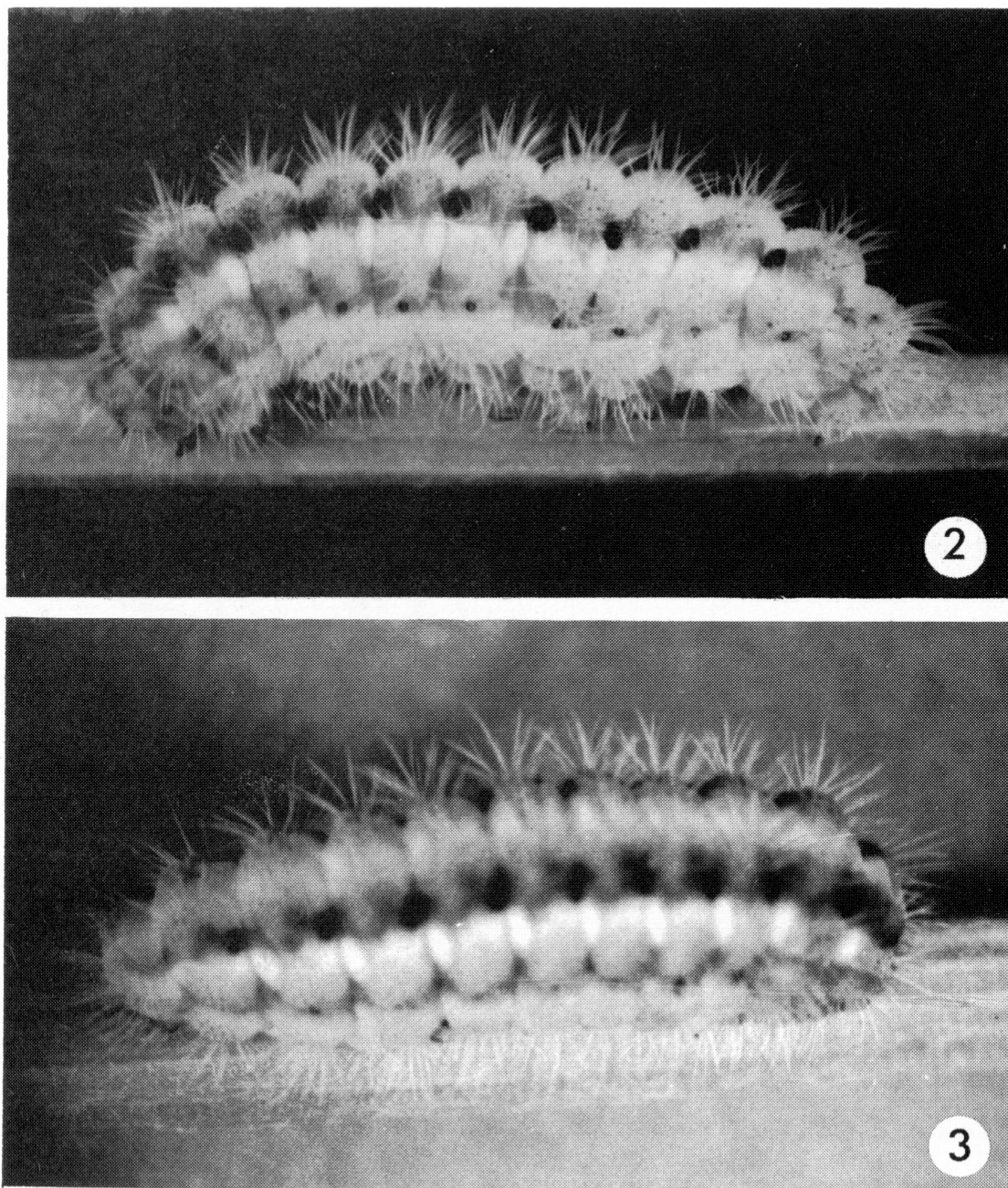


Fig. 1. Ova of *Zygaena (Agrumenia) sedi* Fabricius, 1787, on a leaf of *Vicia dalmatica* A. Kerner.

Larva (Figs 2, 3).

Full-fed c. 14–16 mm long. Head and thoracic legs black; thorax and abdomen light green, with a narrow, whitish mediodorsal line; a small black dorsal spot in anterior part of each segment from second thoracic to eighth/ninth abdominal, a yellow spot beneath and in posterior part of each segment from second thoracic to seventh abdominal (on eighth abdominal segment this spot is white). Black anterior dorsal spots slightly stand out against the background of a dark grey dorso-lateral stripe. Spiracular stripe dark grey. Dorso-lateral and

spiracular stripes represented by blackish suffusion below the cuticle. Peritreme of spiracles black. Setae white. Abdominal prolegs yellowish green. From middle of June to middle of May. After diapause the larvae can be found during sunny weather sitting on the young shoots at the top of the host-plant *Vicia dalmatica* A. Kerner (Fabaceae), feeding on the young leaves and flower buds.



Figs 2, 3. Larva of *Zygaena (Agrumenia) sedi* Fabricius, 1787. 2, lateral view; 3, dorso-lateral view.

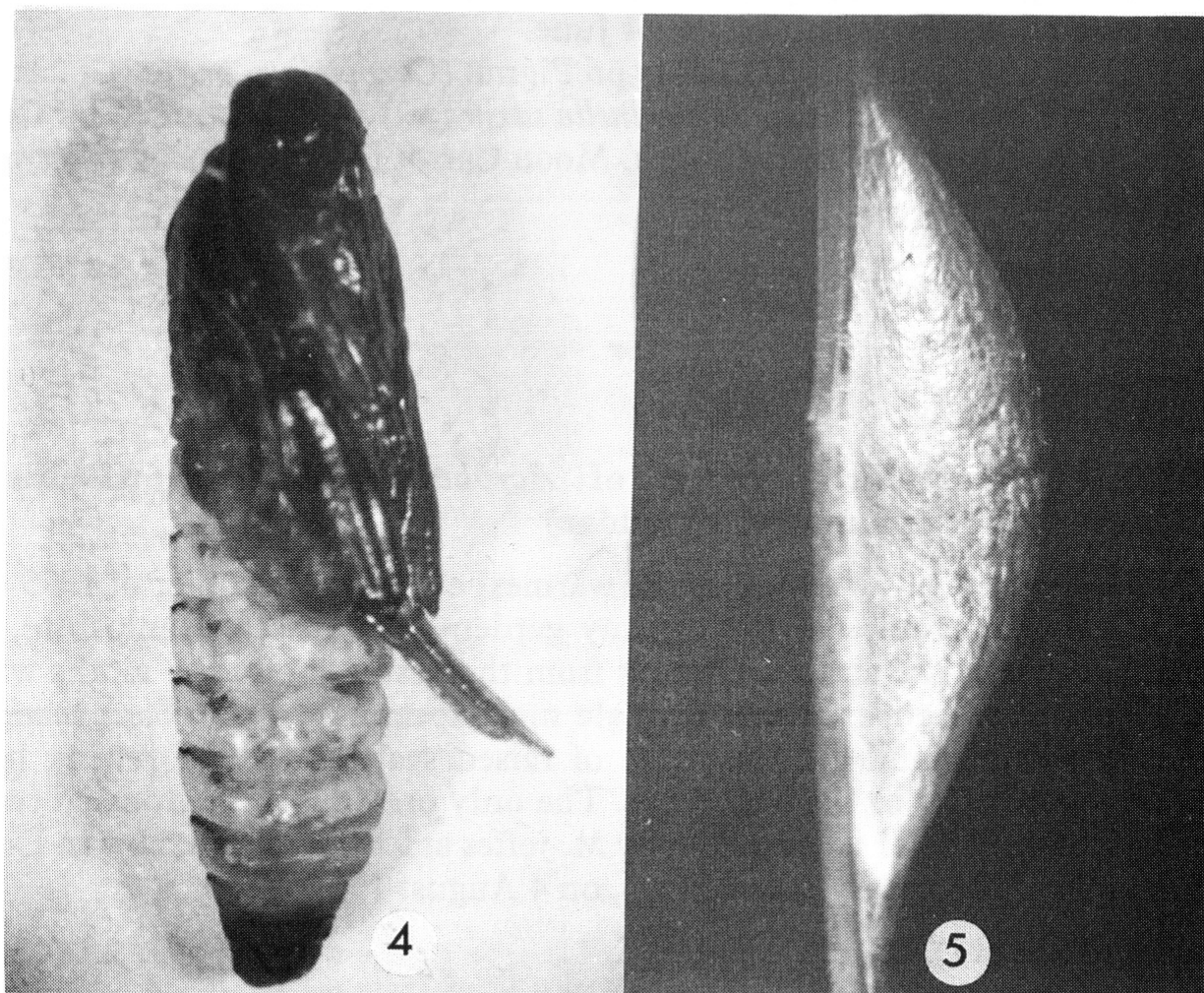
Pupa and cocoon (Figs 4, 5).

Pupa c. 14 mm long (Fig. 4). Head, thorax, wings and appendages shining, black; abdomen emerald green with dark grey bands laterally, caudal region blackish, peritreme of spiracles black. Cocoon fusiform, yellow, surface slightly wrinkled (Fig. 5).

Emergence of imago 11–14 days after the construction of the cocoon.

Imago.

Univoltine. Late May to early July. Inhabits slopes covered with the host-plants (*Vicia* spp.) where it flies actively in sunshine. In the Crimea distributed only in the eastern part of the southern coast of the peninsula. In addition to the surroundings of Sudak this species has also been found in the Crimea at Karadag (Naumann & Naumann, 1980) and Alushta (Efetov, 1989).



Figs 4, 5. Pupa and cocoon of *Zygaena* (*Agrumenia*) *sedi* Fabricius, 1787. 4, pupa; 5, cocoon.

Acknowledgement

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References

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