

BRIEF COMMUNICATIONS

A NEW SPECIES OF *CHRYSOPA* (NEUROPTERA :  
CHRYSOPIDAE) FROM INDIA

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(Received 4 October 1976)

*Chrysopa (Chrysoperla) punensis* sp. nov. (Neuroptera : Chrysopidae) is described from Maharashtra, India.

In the course of studying the material collected from Poona, Maharashtra, the author has encountered a new species which is described below. The type specimens will in due course be deposited in the Zoological Survey of India, Calcutta.

***Chrysopa (Chrysoperla) punensis* sp. nov.**

Male : Head : Greenish yellow, genae reddish brown, clypeus yellow with brown borders; frons yellow but with a reddish brown stripe on each side; vertex greenish yellow; palpi brown. Antennae yellow and the segments provided with white and brown setae.

Thorax : Pronotum : Green with median yellowish vitta which continues the rest of the thorax; broader than long with anterior angles rounded; a prominent ridge in the middle; with sparse covering of short and pale hairs. Meso and Metanotum : Green with some yellowish interruptions and pale hairs. Legs : Greenish but tarsi yellow and claws brown with teeth at the bases; femora with white hairs but tibiae with black hairs and spines. Wings (Figs. 1 & 2) : Narrow, subacute at the tip; membrane hyaline, absence of any spot; pterostigma greenish; all the veins and crossveins entirely green.

Forewing: 22 costal crossveins before pterostigma; first cubital cell shorter than the second cubital cell; tip of the intrame-

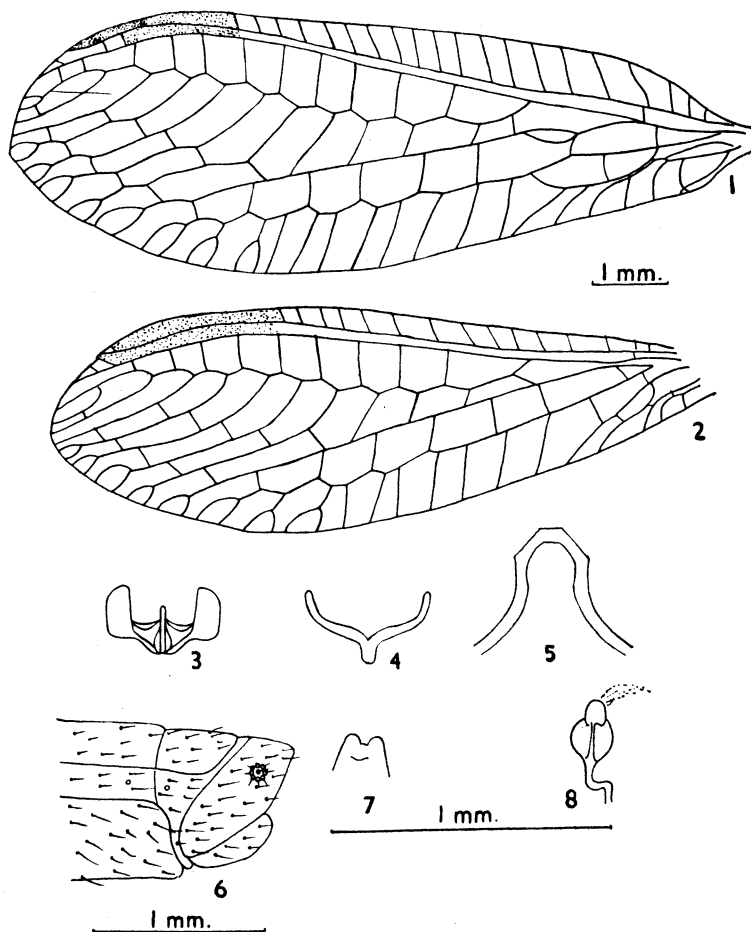
dian cell ends before 1st radio-medial crossvein; 5 branches of radial sector going to the posterior margin; number of gradates in left forewing 5/6 and in right 5/7. Hindwings : same as in forewing but 16 costal crossveins before the pterostigma; number of gradates in left hindwing 5/7 and in right hindwing 4/6.

Abdomen (Figs. 3-5) : Greenish with white hairs; sternite 8+9 elongated with rounded tip as in figure 5; tignum narrow, its acumen broad with rounded apex; gonarcus narrow with large, flattened side pieces; entoprocessus acute, arises from the lateral piece and extends upto the arcessus; arcessus long and straight.

Female: Abdomen (Figs. 6-8 of paratype) : Tergite 9 and ectoproct an elongated structure with rather acute upper angle; gonapophysis lateralis not very broad; subgenital large in ventral view with prominent well separated apical lobes and broadly rounded; spermatheca with high vella.

Ecological observation: The species was captured from the vegetable fields with seasonal crops close to the Bhama river. The crops were highly infested with aphids and thysanopterans.

**Holotype** male: India : Maharashtra : Khed, near Bhama river, Pune, 3. vii. 76, Coll. S. K. GHOSH.



Figs. 1-8 : *Chrysopa (Chrysoperla) punensis* sp. nov. Holotype male : 1. Forewing; 2. Hindwing; 3. Gonarcus with a processus, entoprocessus; 4. Tignum; 5. Tip of sternite 8+9; Paratype female; 6. Apex of the abdomen; 7. Subgenital plate; 8. Spermatheca.

**Allotype** female and paratypes 8 females : collection data same as for the holotype.

**Remark :** The new species belongs to the *carnea* group, in having slender arcessus, small entoprocessus and also the tip of the intramedian cell not extending beyond the 1st radio-medial crossvein. But it differs from *Chrysopa carnea* STEPH. (cf. TJEDER, 1936; KILLINGTON, 1937) by the presence of short hairs on the wing margins and veins, whitish hairs on the femora and by the shape of the genitalia and from *Chrysopa* (*Chrysoperla*) *gujaratensis* GHOSH by the shape of the genitalia.

**Acknowledgements:**— The author is indebted to Dr. S. KHERA, Joint Director-in-Charge, Zoological Survey of India, Calcutta, for the facilities given to him to work on Neuroptera and to Dr. B. K. TIKADER, Deputy Director, Zoological Survey of India, Western Regional Station, Poona for extending help in various ways.

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# Bibliography of the Neuropterida

*Bibliography of the Neuropterida Reference number* (r#):  
2570

***Reference Citation:***

Ghosh, S. K. 1976 [1976.??.??]. A new species of Chrysopa (Neuroptera: Chrysopidae) from India. Entomon: Internationale Zeitschrift für die gesamte Insektenkunde 1:189-191.

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