

**ON A NEW SPECIES OF THE GENUS *PALPARES* ( NEUROPTERA :  
MYRMELEONTIDAE ) FROM INDIA**

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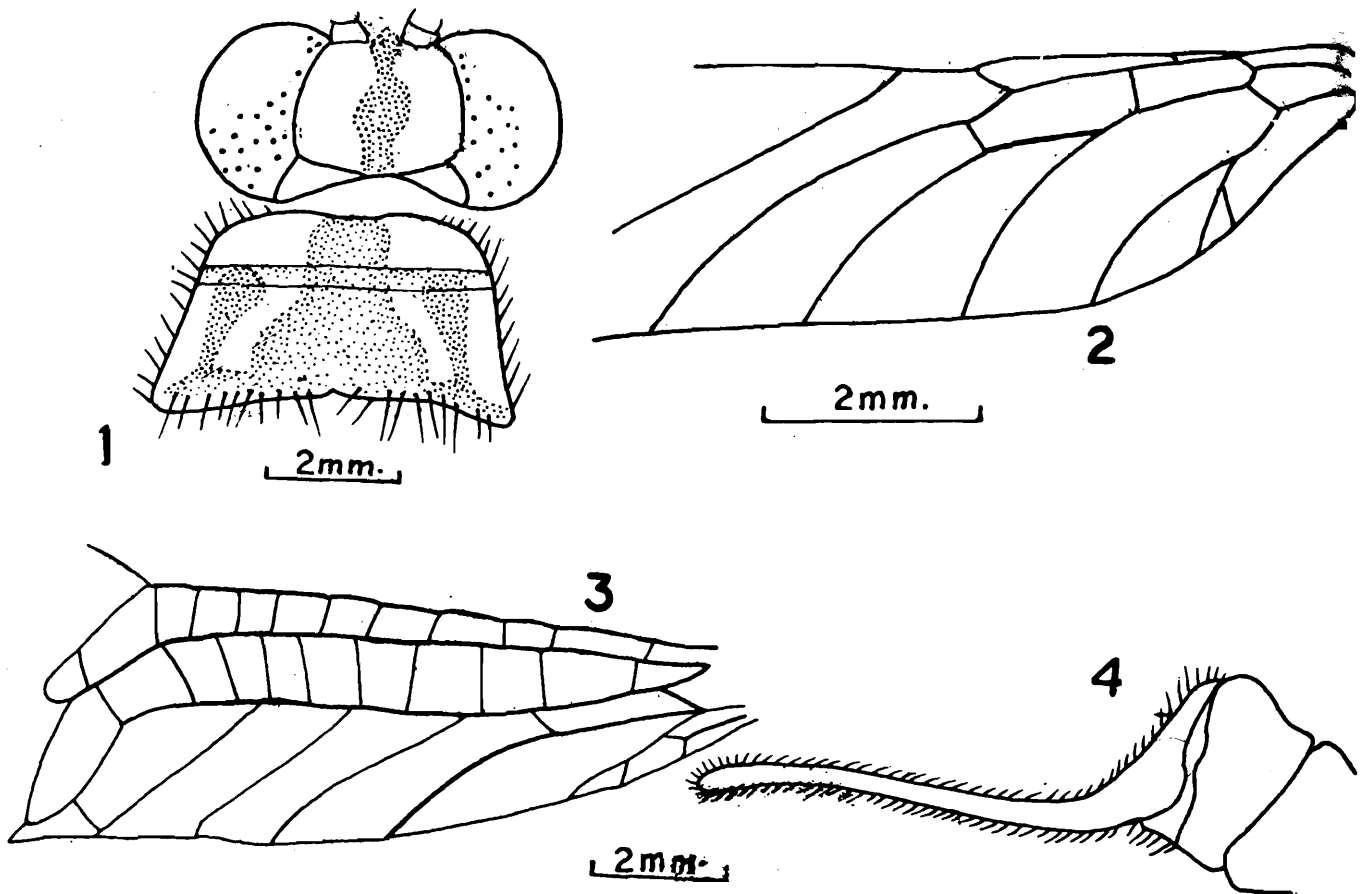
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**INTRODUCTION**

All the species of the genus *Palpares* Rambur are generally large in size and beautiful neuropterous insects. Their contrasting markings attract the attention of the collectors and therefore every museum has at least, some representatives of this genus in their collections. Banks (1913) has dealt with eleven Indian species of this genus along with illustrations. Later, two species namely, *P. trichogaster* Navas and *P. nobilis* Navas were also described from India. After a long lapse of time, the author, in course of his studies, has encountered an interesting species which is described below as new to science.

***Palpares rajasthanicus* sp. nov.**

Clypeus, frons and palpi : yellow; vertex : yellow with a medially broadened, brown longitudinal stripe; antenna : brown at basal two segments but flagellar segments red brown; thorax : clothed with white hairs; pronotum (fig. 1) : Yellow with a median longitudinal dark brown stripe which is broadly rounded posteriorly, an irregular stripe almost rounded anteriorly lying on either side of median stripe and extending from median suture to posterior margin; meso- and metanotum black but hind border of mesoscutellum and prescutum of metanotum yellow; Wings (fig. 5) : rather whitish; venation : pale yellowish; forewing (fig. 2.) : costa and radius brown; some of costal veinlets with blank points towards base; several costal veinlets clouded with brown towards pterostigma; some crossveins between R and Rs clouded brown; with four brown spots - first at furcation of Cu; second beyond first and lying between media and middle of cubital field; third irregular, extending from first branch of Rs, passing obliquely to the tip of Cu, and continuing upto a short distance towards base of it; fourth one lying beyond pterostigma; other subapical brown band at middle also present; base of forked veinlets at apex and hind margin beyond middle from base clouded with brown; 3A and 4A connected by a single crossvein (fig.2); hindwing : some costal veinlets either wholly clouded brown or with brown points; a spot on cubital fork extending obliquely almost upto tip of 1A; a band beyond cubital spot beginning just below R and extending upto middle of cubital field; an irregular band running transversely from costa and extending almost upto hind margin; an irregular band interrupted at middle lying at apex; 4 or 5 spots at hind margin; 3A connecting 2A by a crossvein near its furcation (fig.3); legs : with white hairs and black bristles; femora dark brown but tibiae yellow; tibial spurs dark brown and equal to two tarsal segments taken together; tarsi dark brown; abdomen : yellowish brown at few basal segments, otherwise dark brown; apex of male abdomen as in fig.4.



*Palpares rajasthanicus* sp. nov. Fig.1. head and pronotum 2. Part of forewings, female 3. part of hindwing, male. 4. apex abdomen, male (lateral) 5. Holotype, male .

**Measurements** : Holotype Male : Length of body : 36 mm; forewing : 42 mm; hindwing : 39 mm. Allotype Female : Length of body: 38 mm; forewing : 46 mm, hindwing : 45mm. Paratypes Male, Females: Length of body: 38-42mm; forewing: 46-50mm; hindwing: 45-48mm.

**Material examined**: 1 Male (Holotype) : India : Rajasthan, Bikaner, Pugal, 20.ix.1960 Coll. M. Chandra, Z.S.I. Reg. No. 1251/H12; 1 Female (Allotype); Loc. and Coll. same as above, date 23.ix.1960, Z.S.I. Reg. No. 1252/H12; 1 (M) (Paratype); Loc. data and Coll. same as for allotype, Z.S.I.Reg.No.1252/ H12; 3 (F) (Paratype) ; Loc. and Coll. same as for male, date 19.ix.1960 Z.S.I.Reg.No.1254-1256/ H12;1 (F) (Paratype) ; Loc. and Coll. same as above, date 17.ix.1960 Z.S.I.Reg.No.1257/ H12; 1 (F) (Paratype) : Rajasthan, 22.ix,Coll. M. Chandra Z.S.I.Reg.No.1258 / H12. All the types are deposited in the National Zoological Collections of the Zoological Survey of India, Calcutta.

**Distribution** : India : Rajasthan.

**Remarks** : The markings of fore-and hindwings differentiate this species from other species of *Palpares*.

#### SUMMARY

A new species *palpares rajasthanicus* is described from Rajasthan.

#### ACKNOWLEDGEMENT

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#### REFERENCE

Banks, N., 1913. The neuropterous genus *Palpares*. *Ann. ent. Soc. Am.*, 6 : 171 - 191.