Description of a new species of Erythraeid mite
(Acarina: Erythraeidae) from Japan

By

Jun Hara and Minoru Hanada

Erythraeus flavopictus sp. nov.

Body: The body of larva is orange in color and oval in shape. The size of full engorged specimen is 586 microns long including gnathosoma and 329 microns in width. Two pairs of eye present on antero-lateral of dorsum.

Gnathosoma (Fig. 1): Chelicerae are nearly ovoid and 146 microns long. The tip of chelicerae with short and thick recurved hooks. Galeal parts with one pair of short nude setae. Hypostome with one pair of long nude setae and one pair of spines on ventral. The tip of hypostome with one pair of comb-like setae. The setae on palpal segment II and III fringed; segment IV with a fringed seta and three nude simple setae laterally and ventrally; segment V with three short peg-like nude setae and two long simple setae on lateral and a long nude seta on ventral; palp has simple claw with acute apex. The length of palp is 183 microns.

Scutum (Fig. 2): The scutum is rounded pentagonal, 119 microns long by 136 microns wide; anterior margin slightly convexed; late-

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Fig. 1. Gnathosoma: A-dorsal view; B-ventral view; CH-chelicera; GN-gnathosoma; II-IV-palpal segment II, III and IV.

1) Jun Hara: Department of Biology and Medical Zoology, School of Physical Education, Juntendo University.
2) Narashino 2nd Public Middle School.
Fig. 2. Scutum: ALS-antero-lateral seta; PLS-posto-lateral seta; SS-sensory seta.

Fig. 3. Body showing chaetotaxy: D-dorsal view. V-ventral view; DS-dorsal seta; Arrow with dotted line shows each row of dorsal seta.

Table: Relative length of the segments of the legs.

<table>
<thead>
<tr>
<th>Leg</th>
<th>Coxa</th>
<th>Troch.</th>
<th>Basifem.</th>
<th>Teroferm.</th>
<th>Genu</th>
<th>Tibia</th>
<th>Tars.</th>
<th>Total</th>
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<tr>
<td>I</td>
<td>78</td>
<td>40</td>
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<td>108</td>
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<td>187</td>
<td>943</td>
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<td>51</td>
<td>112</td>
<td>105</td>
<td>139</td>
<td>221</td>
<td>166</td>
<td>896</td>
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<tr>
<td>III</td>
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<td>57</td>
<td>136</td>
<td>136</td>
<td>163</td>
<td>319</td>
<td>193</td>
<td>1106</td>
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</tbody>
</table>

* Coxa, Trochanter, Basifemur, Teroferm, Genu, Tibia, Tarsus respectively.
Holotype: One larval mite.
Type habitat: Soil in the campus of Juntendo University.
Host: Unknown.
Type locality: Narashino, Chiba Prefecture.

The type specimen was collected by Hanada on 18, April, 1960 at the corner of the campus of the University and deposited in the Department of Biology and Medical Zoology, Juntendo University.

ACKNOWLEDGEMENT

The authors wish to express their hearty thanks to Dr. Kenjiro Kawashima for his kind correspondence and suggestions.

LITERATURE