

A New Species of the Genus *Ommatidiotus* (Homoptera,
Issidae) from Japan

With 11 Text-figures

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ABSTRACT A new issid plant hopper, *Ommatidiotus japonicus* Y. Hori, sp. nov., is described and figured. This is the first record of the genus from Japan.

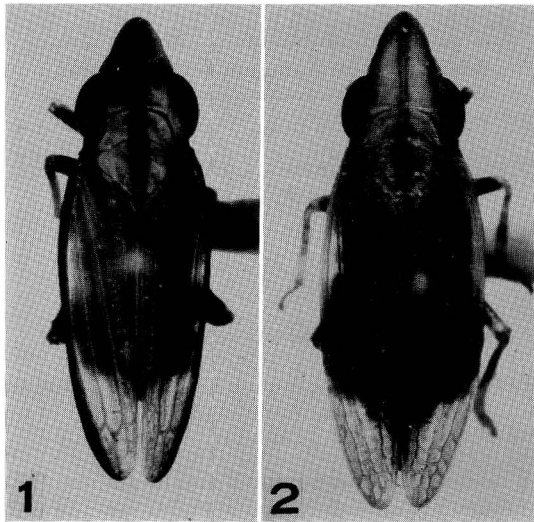
Ommatidiotus japonicus Y. Hori, sp. nov.

(Figs. 1–11)

Male. Length including tegmina about 4.2 mm, width about 1.4 mm.

Vertex greyish stramineous, in middle line 1.4 times as long as basal width, rounded apically, shallowly concave and furnished with a longitudinal median groove near the base; lateral margins slightly sinuate, subparallel in basal half and convergent apically. A median red stripe on vertex continues to the stripes on pronotum and scutellum. Frons black except for pale clypeal suture, shagreened, oval, widest near the middle, in middle line 1.5 times as long as wide and with sparse fine hairs; median carina weak except for apical third; lateral carinae diverging to below level of antennae, thence incurved to clypeal suture. Clypeus black, furnished with a median carina, as long as frons in median line, sparsely covered with fine hairs. Labrum brown. Rostrum of the same color as labrum, about a half as long as labrum. Genae black and levigated. Antennae black except for pale brownish apices of all segments. Ocelli small, situated at a short distance from both of antennae and eyes. Eyes dark brown, moderately large, with the margins pale and emarginate at level of antennae.

Pronotum concolorous with vertex, in middle line slightly longer than one-third the length of vertex, without distinct median carina; anterior and lateral margins carinated; posterior margin concave for receiving convex anterior margin of scutellum. Scutellum comparatively large, slightly shorter than the width, distinctly narrower than head including eyes, approximately twice as long as pronotum and provided with 2 subparallel carinae. Tegmina greyish stramineous, subhyaline,



Figs. 1-2. *Ommatidiotus japonicus* Y. Hori, sp. nov. — 1, Male; 2, female.

furnished with sparse fine hairs on costal vein, margined costally with black, tinged with pale orange at commissural margin and provided with 6 pale orange stripes, of which inner one in each clavus vanishes apically and outer ones are rather indistinct; cross veins indistinct except for the veinlets in apical area. Wing absent. Legs brown; femora, basal parts of anterior and mid tibiae and basal half of hind tibiae blackish. Hind tibiae provided with a lateral spine near the middle and six apical ones.

Abdominal sternite black. Pygofer black, levigated, strongly rounded in ventral aspect and furnished with fine light hairs.

Aedeagus provided with 3 apical spines dorsally and a pair of large and somewhat depressed appendices ventrally; lateral lobes arising from the base of aedeagus and spinose at apical parts.

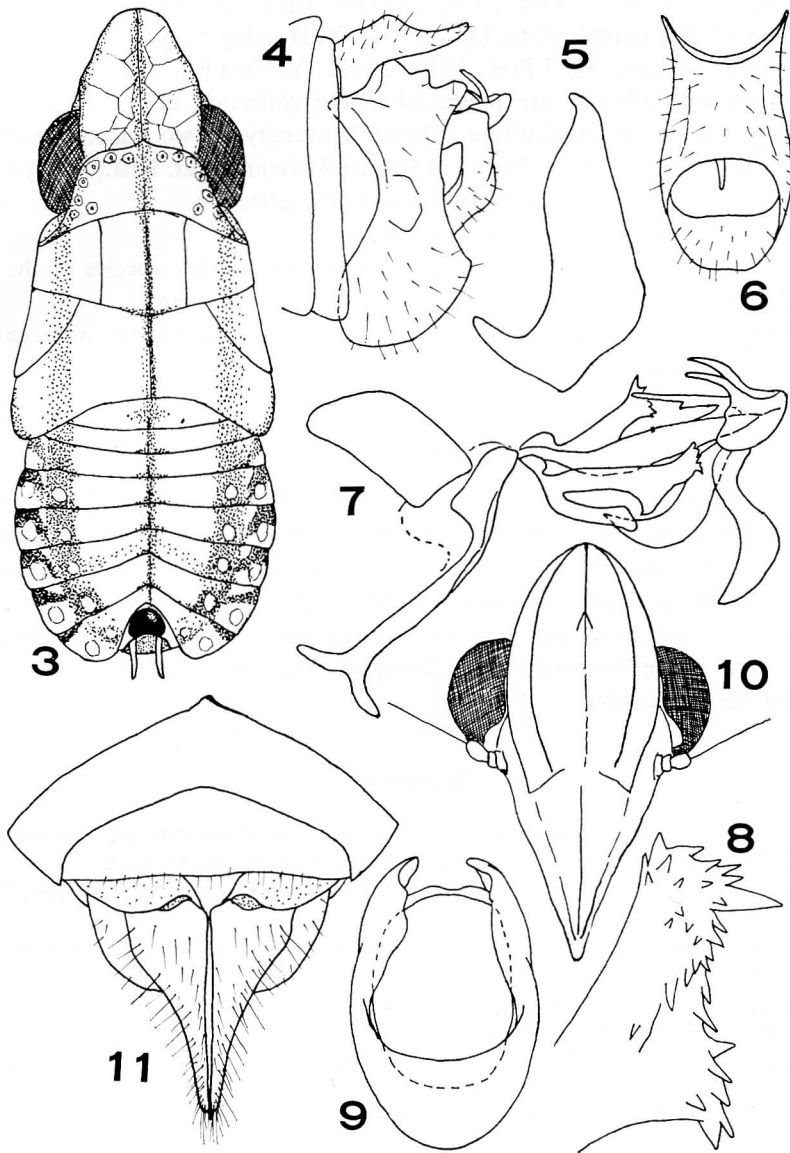
Female. Length about 5.0 mm, width about 1.7 mm. General color of body brown. Vertex more or less broader than in male. Tegmina lacking in the black costal margin. Frons dark brown, with 7 or 8 pale granules at the outside of each lateral carina. Clypeus dark brown; carinae tinged with pale. Underside of body brown, mottled with dark tint.

Last instar nymph. Body about 3.7 mm in length, pale brown. A reddish median and sublateral stripes run from apex of head to tip of abdomen. Frons brown. A dark band on frons continues to the stripes on genae and pleura.

Holotype: ♂, Ohmori, Moriyama-ku, Nagoya, Aichi Pref., VI-21, 1975, Y. Hori leg.

Allotype: ♀, same data as holotype.

Paratypes: 1 ♂, ditto, VI-19, 1974, M. Honda leg.; 2 ♀♀, ditto, VI-21, 1975,



Figs. 3–11. *Ommatidiotus japonicus* Y. Hori, sp. nov. — 3, Last instar nymph; 4, male genitalia, left side; 5, right style; 6, anal segment; 7, connective and aedeagus; 8, apex of lateral lobe of aedeagus; 9, pygofer in anal view; 10, head in frontal view; 11, female genitalia in ventral view.

M. Satô leg.; 3 ♀♀, ditto, VI-21, 1975, Y. Hori leg.; 1 ♀, ditto, VI-28, 1975, H. Yamada leg.; 1 ♂, 1 nymph, ditto, IX-19, 1976, Y. Hori leg.; 1 ♂, 1 ♀, Tohgoku-san, Moriyama-ku, Nagoya, Aichi Pref., VIII-5, 1975, Y. Hori leg.

Holotype and allotype are preserved in the collection of the Entomological Laboratory, College of Agriculture, Ehime University. Two paratypes are preserved in the collection of the National Science Museum (Nat. Hist.), Tokyo. The rest of the paratypes are deposited in the author's collection.

Distribution. Honshu (Nagoya), Japan.

This new species is easily distinguishable from the other species of the genus by the length of vertex, coloration of body and genital characters.

Although the host plant is unknown, all the known specimens were captured on grasses in the marsh.

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