

black central setæ surrounded by a ring of 4-5 small white ones; on thoracic segments III bears merely 1-2 black setæ. The lateral tubercles bear one long central black seta, the remaining ones being smaller and white. The thoracic plate shows four slightly raised darker areas, two anterior and two posterior, each bearing the black setæ. All legs the colour of the body. Length 4.8 mm.

*Euchatias spraguei* Grt.

Ova sent by Mr. Kwiat of Chicago in June hatched during transmission, the young larvæ eating the egg shells. From a rather crushed unfertile egg following note was made.

*Ovum*.—Hemispherical, with flat base; pitted with numerous slight punctures; pale orange-yellow. Diameter .4 mm.

Stage I.—Head black, with sparse black setæ. Body pale red-brown with large black almond- or kidney-shaped tubercles; arrangement of setæ typically Arctian; tubercle I about half as large as II, with short black seta; seta of II black, longest on 1st and last two abdominal segments; III with black setæ; lateral setæ short and white; thoracic plate semilunate with 4 setæ on anterior margin. When at rest the first two abdominal segments appear slightly humped. Length 3 mm.

Stage II.—Head pale yellowish; body red-brown, becoming later yellowish; tubercles black, II and III being the largest; tubercle I with two long black setæ and a couple of short white ones inclined towards the head; II with about 8 black setæ; III with 6; IV small, situated immediately posterior to the spiracle and bearing two setæ; V with 5-6 setæ of which the central one is black, the remainder white; VII larger with 2 central black and 8-10 white basal setæ; spiracle pale with black rim. Length 6 mm.

Stage III.—Head and body pale orange yellow; tubercles blackish arising out of a pale base and with numerous long plumed gray hairs; traces of a pale subdorsal line and lighter shading laterally around tubercle V. Length 13 mm.

Stage IV.—Head, body and legs pale orange with traces of a pale yellow subdorsal and a similarly coloured subspiracular line: tubercles black, giving rise to numerous long, silky, plumed, dark gray hairs, which form a thick covering over the body. Length 20 mm.

Stage V.—Head pale reddish; body dorsally pale green, shading into pale orange laterally; traces of a dark dorsal line and the pale subspiracular line of the previous stage; tubercles pale; base of hair black; body thickly