

and makes another. It pupates over the midrib under a dense but semi-transparent white web on the upper side of the leaf. Rather an inconspicuous insect; the costal half of the wings yellowish, with a few black spots on the middle of the margin. Dorsal half yellowish-purple, faintly iridescent, with a few small blackish dots along the centre of the disc. *Alar ex.* about $\frac{1}{16}$ inch. Kentucky. Common.

8. *Gracillaria Packardella*. *N. sp.*

Face and palpi snowy-white; the joints of the palpi tipped with golden. Vertex, antennae, thorax, and base of the wings pale lemon-yellow, each antennal joint tipped above with fuscous. Anterior wings pale reddish-orange, with purple and golden reflections, and becoming deeper towards the apex, with a large triangular pale lemon-yellow spot about the middle, very wide on the costa, and its apex almost touching the dorsal margin. Ciliae pale yellowish, faintly flecked with reddish-orange or golden. Anterior surface of the legs reddish-orange, tinged with fuscous. *Scales of the head loose, not appressed.*

Larva and food-plant unknown, but from circumstances, I suspect it to be an Oak-feeding species; and I think that it passes the winter in the pupal state, from finding fresh specimens of it abundant in April and May. *Alar ex.* about $\frac{1}{2}$ inch. Kentucky.

I took it resting upon fences under Beech and Oak trees; on which also, there were a great many of the bracts, or outer reddish envelopes, of the Beech leaf-buds (which were then expanding, and throwing off these envelopes). At a distance of more than a yard it was scarcely possible to distinguish the *Gracillaria* from these envelopes. I have never found a mine or larva of this genus on the Beech; and have found the imago on Oaks at a great distance from any Beech trees.

I have named it in honor of Dr. A. S. Packard, jun., author of the "Guide."

9. *Gracillaria purpuricella*. *N. sp.*

Violaceous, reddish or brownish-purple, according to the light. Face pale violaceous, flecked with brownish-purple. Antennae brown, tinged with purplish, faintly annulate with white at the base of each joint; palpi pale purplish. The triangular white spot about the middle of the costa is nearly equilateral; its anterior margin is a little concave, the apex reaching the fold, and it has four small spots of the general hue situated in it upon the costa. Ciliae bluish fuscous. Posterior femora white at the tip, and with a wide white band about the middle, and its under surface