

faintly visible. Hind wings faded reddish orange with fuscous fringes, with a black line slightly waved at their base. Fringes of fore wings blackish with pale dots. Beneath both wings orange, fringes fuscous; on primaries a discal streak and a spot above on costa. Body dusky gray; abdominal hairs somewhat orange; beneath paler, somewhat whitish. *Expanse* 27 mil. Havilah, Cal., Mr. Hy. Edwards. This species has the false appearance of an *Annaphila*. It is easily recognized, and seems allied to *fodinalis* Led.; it is as large but very different in colors and ornamentation.

Crambus undatus, n. s.

Allied to *exsiccatu*s, but smaller, with the lines without the submedian indentation. Pale whitish gray over light brown, a whitish shade from base along the centre, the wing with scattered fuscous scales. The two fuscous brown lines are very distinct, sub-parallel, near together, well removed outwardly, jagged, angulated below costa, the inner line a little more inwardly oblique and irregular below the cell than the outer. A fine dark line at the base of fringes, which latter are interlined and metallic at the tips. Hind wings pale with a subterminal line feebly marked on both surfaces. Fore wings fuscous beneath with the lines indicated. *Expanse* 21 mil. California, Mr. Hy. Edwards, No. 4454.

Catocala grynea var.

Mr. A. Conradi has collected near Bethlehem, Pa., a singular aberration of this species in which the black bands on the under surface are very broad and the secondaries above almost entirely black, except a yellow spot at base and two more beyond the middle of the wing.

NOTES UPON CLIMATIC INFLUENCES ON SAMIA GLOVERI
OF UTAH AND S. CEANOETHI OF CALIFORNIA.

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The summer of 1879 was quite warm and dry in Utah as well as California. This was very disastrous to the larvæ of *S. Gloveri*, which, it is well known, feed on the willows in Utah growing in or near swamps or near creeks in canons.