

it, the 4th has its origin with the 3d immediately on the cell. The antennæ are less deeply pectinate than in the allied species. Described from 1 ♂ and 5 ♀, taken in Arizona by Mr. H. K. Morrison.

G. H. FRENCH, Carbondale, Ill,

DREPANA CURVATULA.

Zoological Department, British Museum.

July 6th, 1883.

MY DEAR SIR: In incorporating some of our mutual friend Grote's Lepidoptera with the Museum series, I note a *Drepana* labelled "*curvatula*," which agrees in all respects with my Japanese species *D. acuta*, but differs from the European *D. curvatula* in its greatly superior size and other particulars which I here tabulate:

D. curvatula.

Exp. al. 31-35 mm.

The measurement taken from tip of primaries to centre of thorax and doubled.

D. curvatula.

Lilacine brown, with an ochraceous sub-tint.

Lines on primaries before the middle, placed at unequal distances, sometimes confused.

Oblique elbowed line across disc double, distinctly inarched.

Secondaries divided into a greyish basal and a yellowish external area; the two areas divided by a well-defined line.

D. acuta.

Exp. al. 37-42 mm.

D. acuta.

Uniform clay-yellow.

Lines on primaries before the middle, at equal distances, never confused.

Oblique elbowed line across disc single, almost straight.

Secondaries of uniform, or nearly uniform, tint, with no marked distinction in the definition of the lines.

As it is highly probable that Mr. Grote's specimen was of N. American origin (he doubtless knows where it was obtained), I think it may be of interest to American Lepidopterists if you publish this note in "Papilio."

Believe me, yours very sincerely,

ARTHUR G. BUTLER.

Henry Edwards, Esq.

CECROPIA and COLUMBIA.

This year we had a ♀ *Cecropia* hatch in one of our rooms, and, a score or more of *Samia Columbia* were attracted to the place. Can anyone doubt that the latter is an offshoot of the former?

A. J. COOK, Lansing, Mich.

RARE CAPTURES.

The following species have recently been taken: *Aellopus tantalus* Albany, N. Y.; *Arctia Americana*, Malden, Mass.; *Erebus Zenobia* Madison, Wis.; *Erebus Odora*, Albany, N. Y.

W. GREY.

ETUDES D'ENTOMOLOGIE.

Under this title an exquisite work on Lepidoptera is in course of



Butler, Arthur G. 1883. "Drepana curvatula." *Papilio* 3(7-10), 192–192.

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