

2nd Brood.

1874. 4th July, caught female while ovipositing ; the larvae from these eggs were in chrysalis 17th July.
 1876. 9th July, caught female while ovipositing.
 1879. 10th and 11th July, found several eggs and young larvae.
 1873. 11th July, set female for eggs ; found eggs 14th and 23rd July.
 1881. 1st to 8th July, found eggs and young larvae daily.

3rd Brood.

1872. 1st August, saw female ovipositing and found a dozen eggs ; 21st August, imago from these eggs.
 1873. 10th August, female ovipositing ; up to 25th August continued to find eggs ; on 22nd August set female for eggs.
 1881. 23rd to 26th August, found eggs and larvae.

4th Brood.

1875. 7th September, found a fresh egg, a half grown and a mature larva.
 14th September, larvae in last stages.
 1881. 2nd September, butterflies emerged.
 " 11th " " "

NEW MOTHS, CHIEFLY FROM ARIZONA.

BY A. R. GROTE.

HADENA PERPENOA, n. s.

♂. Eyes naked ; tibiae unarmed ; abdomen tufted ; size moderate. Apparently allied to *Indirecta* and *Cinefacta*, but darker colored, with a certain resemblance to *Mamestra Atlantica* or *Vicina*. Concolorous dark wood brown ; lines faint. The usual markings. A dash connects the claviform with the t. p. line. Stronger costal double marks inaugurate the indistinct median lines ; the t. a. oblique and approaching the t. p. line near internal margin, where it seems to have a strong tooth running backward on the margin. Stigmata subequal, concolorous. S. t. line indicated, twice indented with darker shades. Fringes dark, narrowly cut with pale. Hind wings fuscous, paler at base, with mesial line and discal shade mark ; beneath paler, with discal dot and faintly double extra