

ARCTIA ARGE, DRURY.

BY PROF. S. H. PEABODY, AMHERST, MASS.

A moth taken by an evening lamp, May 25, 1873, on that night and the next day laid eggs which hatched June 14. The larvæ fed freely on the leaves of the common narrow-leaved plantain, *Plantago lanceolata*. The earlier moults were not observed with care; the last two occurred June 23 and July 1.

July 6, the larvæ ceased feeding and next day began to spin their cocoons in the breeding cage. July 26, imagos appeared, copulated and laid eggs for a second brood. Other imagos appeared at about the same time from without, showing the species to be double brooded. The cycle of transformations occupied 42 days from the hatching, 62 from the laying of the egg.

When the larvæ ceased feeding they were $1\frac{3}{4}$ inches long, $\frac{1}{4}$ inch in diameter, tapering slightly to each end.

Head small, black, marked in front with an impressed inverted λ . Fore legs black; pro-legs yellow with black fringe.

Body dark brown; a white dorsal stripe, and midway to spiracles a white lateral stripe, shaded to orange on each segment; spiracles black; an orange spot above each, and a wavy white line beneath. Underneath dirty gray; on each segment twelve black tubercles, two on each dark stripe, clothed with long white hairs.

The moth is quite abundant in this locality.

EDITORIAL SUMMARY.

THE BUTTERFLIES OF NORTH AMERICA, by *W. H. Edwards*—*Second Series*.—We are much pleased to be able to announce that the first part of the second volume of this admirable work will be issued during the present month, by Messrs. H. O. Houghton & Co., Riverside Press, Cambridge, Mass., the succeeding parts to appear quarterly, with five plates in each part. The illustrations which adorn the pages of Vol. 1 are admirably truthful and life-like, and we have no doubt but that the forthcoming volume will in this respect quite equal its predecessor. The talented artists who were engaged upon the plates of the previous volume,

Miss Mary Peart and Mrs. Bowen, will execute the plates of this also. Illustrations of the eggs and larvæ, as well as the butterfly, in many cases will be given, which will add greatly to the interest of the work. Price \$2.50 per part. We bespeak for this volume an enlarged circulation.

FRANCIS WALKER, of the British Museum, has lately published a supplement to his Catalogue of Hemiptera; also the first part of a general list of Diptera. Copies of these pamphlets may be had from E. W. Janson, 28 Museum Street, London, W. C., England.

WE HAVE received a copy of a Memorial to the Legislature of Massachusetts from the American Academy of Arts and Sciences, setting forth the desirability of a new and thorough survey of the state in which besides the usual geological matter, there should be "full descriptions and truthful illustrations of the animals and plants, including their natural history, transformations, and relations to man and his requirements, said reports to be prepared with special reference to an intelligent use by the people." The State could not make a wiser use of its funds. We heartily wish the memorialists success, feeling sure that in such a publication Entomology will receive its due share of attention.

A NEW ENTOMOLOGICAL MONTHLY.—We are pleased to learn that the Cambridge Entomological Club, organized last autumn, have determined to issue an organ to be called "Psyche," a 4-paged monthly, to begin with. The first number will be issued in a few weeks. We commend the Cambridge Club for their enterprise, and shall gladly welcome their little sheet, and sincerely hope it may live and grow.

BULLETIN OF THE BUFFALO SOCIETY OF NATURAL SCIENCES.—We have received No. 4, which completes the first volume of this valuable publication. The present part contains eight plates, making eleven in all which have appeared in the volume of 289 pages. No. 4 contains the following Entomological papers: "On the Butterflies of Anticosti," "On Eight Species of Noctuidæ," and "Determination of Brazilian Sphingidae Collected by Mr. Chas. Linden," by Aug. R. Grote; "Notes on the Species of *Pasimachus*," by John L. Le Conte, M. D.; "The Two Principal Groups of *Urbicolæ*," "Note on the Species of *Glaucopsyche* from Eastern North America," by Samuel H. Scudder; "Notes on North American Lepidoptera," "Description of Two New Noctuidæ from the Atlantic District," by H. K. Morrison; "New Phalaenoid Moths,"

“Rectification of Treitschke’s Use of Hubner’s Generic Term ‘Cymatophora,’” by Leon F. Harvey, M. D. Price of this volume complete, Three Dollars. Part 1 of vol. 2 is now in hand, and will shortly appear; it will contain, among other articles, a catalogue of the Noctuidæ of North America, embracing nearly 800 names, by Aug. R. Grote, with one colored plate. The subscription for the new volume will be Four Dollars. Remittances should be sent to Leon F. Harvey, M. D., Buffalo, N. Y.

CATOCALA RELICTA.—Mr. Robert Bunker, of Rochester, N. Y., has sent us a very nice photograph of an unusually dark female specimen of *relicta*. He says: “It is well known that this species alights usually on white surfaces; the specimen from which this photograph was taken was captured on a surface as dark as itself.”

BOOKS RECEIVED.

- Proceedings of the Boston Society of Natural History, vol. xvi, part 2, June, 1873—Jan., 1874, with two plates and several wood-cuts.
- On the Oviposition of the Yucca Moth, from the American Naturalist, pp. 4, by Prof. C. V. Riley.
- Controlling Sex in Butterflies, from the American Naturalist, pp. 9, by Prof. C. V. Riley.
- The Grape Phylloxera, from the Popular Science Monthly, pp. 10, with seven cuts, by Prof. C. V. Riley.
- The Grape Phylloxera, False Theories. From the New York Weekly Tribune, by Prof. C. V. Riley.
- Lepidoptera, Rhopaloceres and Heteroceres Indigenous and Exotic Part 9, with one colored plate containing figures of eleven species of Catocala, by Herman Strecker, Reading, Pa.
- Note on the Species of Glaucopsyche from Eastern North America, Svo., pp. 2, by Samuel H. Scudder, Cambridge, Mass.
- The Two Principal Groups of Urbicolæ (Hesperidæ, Auct.,) Svo., pp. 2, by Samuel H. Scudder, Cambridge, Mass.
- The Pterostichi of the United States, from Proc. Acad. Nat. Sci., Philadelphia, July 27, 1873, pp. 19, by John L. Leconte, M. D.
- Synonymical Remarks upon North American Coleoptera, from Proc. Acad. Nat. Sci., Phila., pp. 16, by John L. Leconte, M. D.
- Notes on the Species of Pasimachus, from Bul. Buffalo Soc. Nat. Sci., pp. 8, by John L. Leconte, M. D.
- On the Origin of Insects and Remarks on the Antennal Characters in the Butterflies and Moths, from Proc. Amer. Assoc., pp. 3, by Aug. R. Grote.
- The Natural History of a Polymorphic Butterfly, from the American Naturalist, May, 1874, pp. 10, by Samuel H. Scudder.
- Report Dept. Agriculture, Washington, April and May.
- Science Gossip, March and April.
- Nature to April 16th.
- Le Naturaliste Canadien, Mars et Avril.
- The Zoologist, March and April.
- Newman’s Entomologist, March and April.
- Journal of Education, Feb’y.
- Prairie Farmer to May 9.
- Indiana Farmer to May 2.
- Canada Farmer to May 1.
- Western Rural to May 9.
- Bruce Reporter to May.