This article was downloaded by: [Purdue University]
On: 21 January 2015, At: 11:02
Publisher: Taylor & Francis
Informa Ltd Registered in England and Wales Registered Number:
1072954 Registered office: Mortimer House, 37-41 Mortimer Street,
London W1T 3JH, UK

Annals and Magazine of Natural History: Series 2

Publication details, including instructions for
authors and subscription information:

<http://www.tandfonline.com/loi/tnah08>

On the eyes of the Balanus

Dr. Leidy

Published online: 14 Dec 2009.

To cite this article: Dr. Leidy (1848) On the eyes of the Balanus,
Annals and Magazine of Natural History: Series 2, 2:9, 222-223, DOI:
[10.1080/03745485809494698](http://dx.doi.org/10.1080/03745485809494698)

To link to this article: <http://dx.doi.org/10.1080/03745485809494698>

PLEASE SCROLL DOWN FOR ARTICLE

Taylor & Francis makes every effort to ensure the accuracy of all the information (the "Content") contained in the publications on our platform. However, Taylor & Francis, our agents, and our licensors make no representations or warranties whatsoever as to the accuracy, completeness, or suitability for any purpose of the Content. Any opinions and views expressed in this publication are the opinions and views of the authors, and are not the views of or endorsed by Taylor & Francis. The accuracy of the Content should not be relied upon and should be independently verified with primary sources of information. Taylor and Francis shall not be liable for any losses, actions, claims, proceedings, demands, costs, expenses, damages, and other liabilities whatsoever or howsoever caused arising directly or indirectly in connection with, in relation to or arising out of the use of the Content.

This article may be used for research, teaching, and private study purposes. Any substantial or systematic reproduction, redistribution, reselling, loan, sub-licensing, systematic supply, or distribution in any form to anyone is expressly forbidden. Terms & Conditions of access and use can be found at <http://www.tandfonline.com/page/terms-and-conditions>

About the end of April, I found beneath a flat stone, in a cavity occupied by a large flavous species of ant, a living *Cremastochilus variolosus*, but laid no stress upon the occurrence, as I supposed it to be accidental. On the 16th of May I took three individuals of *C. Harrisii* together, under similar circumstances, and kept them alive for twelve days. On the 25th of May I found a second individual of *C. variolosus*, in an ant's nest. The locality is a southern hill-slope covered with *Castanea*, *Pinus mitis*, *Acer*, *Carya*, and *Kalmia*, the soil siliceous. The genus is extremely rare; although tolerably successful in collecting, and my residence is near the locality, these are the first living individuals I have seen. In confinement they burrow beneath the earth in which they are placed, the head, from its peculiar form, being well adapted for this purpose.

The genus *Chelifer* is also found in ant-nests, where it is probably attracted by the immature *Thysanura* which occur there; but I recently found nine individuals apparently parasitic, lodged near the extremity of the abdomen, beneath the wings and elytra of a living *Alaus oculatus*, the early stages of which are passed in ash-trees.—*From Silliman's Journal for July 1848.*

MYOCHAMA ANOMIOIDES.

To the Editors of the Annals of Natural History.

GENTLEMEN,—The following notice may perhaps prove of interest to your conchological readers:—

It is generally asserted that *Myochama Anomioides* is strictly confined to *Trigonia pectinata*, but such is not the case, as I have dredged it on the following genera, *Pandora*, *Pectunculus*, *Struthiolaria*. Two specimens I dredged last January in sixty feet of water in Port Jackson, on a bottom of coarse sand and shells. The first specimen I procured was on a dead valve of a species of *Mytilus* which I sent home, since which I have dredged for days in the same spot and procured four, three of which were on dead valves of *Cleithæmus*, and one was on a round piece of sandstone.

I remain, Gentlemen, yours truly,

Fore Street, Sydney, 1st March, 1848.

F. STRANGE.

On the Eyes of the Balanus. By Dr. LEIDY.

Dr. Leidy remarked, that the existence of eyes in the perfect condition of the Cirrhopoda has been denied by all anatomists up to the present time, but its presence in the larva or imperfect stages is very generally acknowledged. Several years since, having received some living specimens of *Balanus rugosus* adhering to an oyster, he submitted them to dissection, in the course of which he noticed upon the dark purple membrane which lines the shell and muscular columns running to the opercula, on each side of the anterior middle line, a small, round, black body, surrounded by a colourless ring or space of the membrane, which, upon submitting to a low power

of the microscope, he found to be an eye, composed of a vitreous body, having nearly two-thirds of its posterior part covered by pigmentum nigrum, and attached to a nervous filament, which he afterwards traced to the supra-œsophageal ganglia. The presence of this organ in other species or genera, he had not yet had an opportunity of determining.—*Proc. Acad. Nat. Sci. Jan.* 11, 1848, p. 1. vol. v.

METEOROLOGICAL OBSERVATIONS FOR JULY 1848.

Chiswick.—July 1. Clear: cloudy and cold: clear. 2. Fine: overcast. 3. Drizzly: overcast. 4. Overcast. 5, 6. Very fine. 7. Sultry: cloudy. 8. Fine: heavy showers. 9. Constant rain. 10—13. Very fine. 14. Very fine: thunder, lightning and rain at night. 15. Cloudy and fine: clear at night. 16—18. Very fine. 19. Cloudy. 20. Cloudy and boisterous. 21. Clear: cloudy: rain. 22. Clear: cloudy. 23. Cloudy: fine: rain. 24. Cloudy and fine. 25. Rain. 26. Overcast: boisterous, with slight rain. 27. Cloudy. 28, 29. Very fine. 30. Overcast: rain. 31. Rain: overcast.

Mean temperature of the month 62°·9
Mean temperature of July 1847 65°·84
Mean temperature of July for the last twenty years 63°·14
Average amount of rain in July 2·36 inches.

Boston.—July 1. Rain: rain A.M. and P.M. 2. Fine: rain P.M. 3. Fine. 4. Cloudy. 5. Fine. 6. Fine: thermometer 84° 2 P.M. 7. Cloudy. 8. Windy. 9. Rain. 10. Cloudy. 11. Fine. 12. Cloudy. 13. Fine. 14. Fine: rain and thunder P.M. 15. Cloudy. 16—18. Fine. 19. Cloudy. 20. Cloudy: rain, with thunder and lightning P.M. 21. Fine: rain P.M. 22. Fine. 23, 24. Cloudy: rain P.M. 25. Cloudy: rain A.M. 26. Rain: rain A.M. and P.M. 27. Cloudy. 28. Fine. 29, 30. Cloudy. 31. Cloudy: rain A.M.

Applegarth Manse, Dumfries-shire.—July 1. Dull A.M.; cleared and fine. 2. Heavy showers. 3, 4. Fair and fine, though sharp. 5. Cloudy P.M., but fair. 6. Heavy rain A.M.: cleared. 7. Heavy shower. 8. Very heavy showers. 9. Rain A.M.: cleared P.M. 10. Fine, but cloudy. 11. Fine: warm. 12. Very fine. 13. Very sultry: thunder. 14. Fine soft shower P.M. 15. Fine: thunder. 16. Fine bracing air. 17. Fine, but cool. 18. Drizzling day. 19. Rain all day. 20. Frequent showers. 21. Bright and dry: shower P.M. 22. Wet nearly all day. 23. Occasional showers. 24. Fine: slight shower. 25. Wet. 26. Fine throughout. 27. Heavy shower: thunder. 28. Showery: fine P.M. 29. Fair and fine. 30. Rain all day. 31. Fine, though cloudy.

Mean temperature of the month 56°·5
Mean temperature of July 1847 61°·5
Mean temperature of July for the last twenty five years . 58°·1
Average amount of rain in July for twenty years 3·91 inches.

Sandwich Manse, Orkney.—July 1. Bright: drops. 2. Bright: clear. 3. Clear. 4. Cloudy: damp. 5. Bright: cloudy. 6. Rain: cloudy. 7. Bright: thunder and rain. 8. Bright: fog. 9. Fog. 10. Cloudy: clear. 11. Bright: rain. 12. Bright: damp. 13. Cloudy. 14. Cloudy: clear. 15. Bright: drizzle. 16, 17. Damp: drizzle. 18. Showers: cloudy. 19. Rain: damp. 20. Damp: rain. 21. Bright: drops. 22. Bright: rain. 23. Showers: clear. 24. Bright: clear: showers. 25. Bright: heavy showers. 26. Bright: drops. 27. Rain: damp. 28. Clear. 29. Clear: fine. 30. Showers: rain. 31. Clear: cloudy.