

The life-history of this species is needed, and, as the moths are fairly common, it ought not to be difficult to obtain eggs. Males of the species were abundant at light, near Ottawa, in August last, but, unfortunately, no females could be captured, or doubtless we could have secured ova.

*Distribution*.—Victoria, B. C., June 27 (E. M. Anderson); Calgary, Alta., July 23, 25 (Wolley-Dod); Blackfalds, Alta., August (Gregson); Prince Albert, Sask., July 6 (Fletcher); Beulah, Man., July 15, 21, 22 (Dennis); Aweme, Man. (Criddle); Winnipeg, Man., July 18, 19, 27 (Hanham); Cartwright, Man., July, Aug. (Heath); Sudbury, Ont., July 27 (Evans); London, Ont. (Saunders); Amherstburg, Ont., early Sept. (E. B. Reed); Hamilton, Ont. (Moffat); Cæsarea, Ont., Aug. 12 (Gibson); Grimsby, Ont. (Metcalf); Toronto, Ont. (Bethune, Gibson); Cobourg, Ont. (Bethune); Port Hope, Ont. (Bethune), Aug. 13 (Metcalf); Rosseau, Ont., July 28 (Winn); Orillia, Ont., Aug. 10, 17, 18, 31, Sept. 2 (Grant); Trenton, Ont., July 30, Aug. 23-27 (Evans); Ottawa, Ont., Aug. 6, 10, 13, 14, 16, 19, 27 (Fletcher, Young, Richard, Gibson); Meech Lake, Que., Aug. 16, 19, 22, 31, Sept. 6, fresh specimen (Young); Rigaud, Que. (Desrochers); Montreal, Que. (Brainerd), Aug. 9 (Lyman); Murray Bay, Que., Aug. (Winn); Roberval, Que., July 27 (Lyman); Little Metis, Que., July, Aug. (Winn); Quebec, Que., Aug. 6 (Fyles); Jaquet River, N. B., August (Winn); St. John, N. B., Aug. 1-15 (McIntosh).

5. RECTILINEA.—This Arctian is very rare in Canada. We have only three records of its occurrence. The species is supposed by some to be the same as *phyllira*, and larvæ which the writer had from eggs, with the female *rectilinea* correctly associated, certainly answered very well to the description of the larva of *phyllira* as published by Packard. The eggs of *rectilinea* above mentioned were received from Mr. A. Kwiat, of Chicago, and were laid on the 27th and 28th Aug., and hatched on the 5th and 6th Sept. The following notes were taken on the larval stages:

*Stage I*.—Length when hatched 1.8 mm. General colour dirty whitish, after feeding greenish brown. Head 0.3 to 0.37 mm. wide, black, mouth-parts reddish. Thoracic shield black. Tubercles blackish; bristles long, blackish from dorsal tubercles, and silvery from lateral tubercles. Tubercle i. very small, ii. and iii. large, of about same size, iv. and v. smaller than ii. and iii.; i., ii., iii., iv. and v. are surrounded more or less with reddish brown. In some specimens this colour is hardly perceptible. Bristles from tubercles barbed. Thoracic feet black; prolegs rather paler than venter, semi-translucent.