ROLAND HAYWARD.

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Roland Hayward, who died at Milton, Massachusetts, April 11, 1906, was born in the house in which he died, March 7, 1865. The son of Isaac Davenport and Mary Bartlett (Vose) Hayward, he was educated at the best private schools in Boston, and entered the Lawrence Scientific School, Harvard University, in 1882; though he continued his studies in Cambridge until his senior year, he did not attempt, on account of ill health, the examinations necessary for graduation. After a brief service in a banking office, he became, on December 30, 1887, a member of the Boston Stock Exchange; at first by himself, and later associated with Mr. W. S. Townsend, for fifteen years until his retirement, July 1, 1902, his business relations were noted, as was his life, for the strictest integrity and loyalty.

Though Hayward's love of nature can not be traced to any ancestor, the place of his birth may well have been influential; for here, where the greater part of his life was passed, under the shadow of one of the most beautiful of the lesser hills of New England, he found keen enjoyment in rambling through the pastures and meadows, for many generations the possession of his forefathers. Here the nucleus of his collections of birds' eggs, butterflies, and beetles was gathered; and here a pursuit, not unusual for a boy, matured into the work of a scientific man, work that was conscientious and thorough, and unusual for one actively engaged in business, and thwarted by a severe physical illness.

Though his active business career limited the number and extent of his holidays Hayward made collecting trips to Colorado, Manitoba, New Brunswick, and to many sections of New England, and by his own efforts accumulated a serviceable series of the Coleoptera of North America. This series was increased by gift, exchange, and judicious purchase and by will devised to the Museum of Comparative Zoölogy.

Roland Hayward, when a lad of less than fourteen, was admitted as a member of the Boston Society of Natural History, a Society whose exhibited collections of New England insects did much to focus and cement his life interest in entomology, and to this institution he bequeathed from his library such works on entomology as were not already its property. He was a founder of the Boston Zoölogical Society, a short-lived Club of boys and young men, to whose credit-

able Quarterly Journal Hayward contributed several short notes. Elected to active membership in the Cambridge Entomological Club, December, 1879, he was at all times alert to the interests of the Club, serving first on the Council, and later as Secretary from January, 1886, to January, 1903, and as Treasurer from January, 1901, until his death.

Hayward's two important systematic papers deal with difficult genera, *Bembidium* and *Tachys*, of the Carabidae; a third paper, "Studies in *Amara*," practically completed before his death, will be issued by the American Entomological Society. These papers, the result of patient and earnest effort, contain the essentials of good taxonomic work: the tables are clear and consistent; the descriptions adequate and careful, detailed but not redundant; the habitats recorded in full; and the bibliographic citations accurate. Hayward was, moreover, eminently fair to the work of his predecessors; he strove long and successfully in order that he might learn the personal equation of each author.

The list which follows includes the more important writings of Roland Hayward, but some short notes and the reports of verbal communications are not recorded.

LIST OF WRITINGS.

1. 1882. *Scenophorus ellipticus* at Nantucket. *Quarterly Journ. Boston Zool. Soc.*, vol. 1, p. 10.
2. 1882. Notes on the habits and distribution of the Massachusetts Rodentia. *Quarterly Journ. Boston Zool. Soc.*, vol. 1, pp. 13-18.
3. 1882. Another spotted egg of *Empidonax minimus*. *Quarterly Journ. Boston Zool. Soc.*, vol. 1, p. 26.
4. 1882. Habits and transformations of *Bolitotherus bifurcus* Fab. *Quarterly Journ. Boston Zool. Soc.*, vol. 1, pp. 35-36.
5. 1882. Two rare Carabidae from eastern Massachusetts. *Quarterly Journ. Boston Zool. Soc.*, vol. 1, pp. 37-38.
6. 1882. *Cicindela ancocisconensis* (Harr) in Vermont. *Quarterly Journ. Boston Zool. Soc.*, vol. 1, p. 38.
7. 1883. A catalogue of the Coleoptera of the Green Mountains. [With Henry Savage.] *Quarterly Journ. Boston Zool. Soc.*, vol. 2, pp. 12-15; 24-29; 36-38.
8. 1883. Rare Lepidoptera around Boston during the past summer. *Quarterly Journ. Boston Zool. Soc.*, vol. 2, p. 56.

9. 1883. A note on *Acmaeodera culta*. *Quarterly Journ. Boston Zool. Soc.*, vol. 2, p. 56.
10. 1884. On the sexual characters of *Boletotherus bifurcus*. *Quarterly Journ. Boston Zool. Soc.*, vol. 3, pp. 16-17.
11. 1885. Curious food for the Kingfisher (*Ceryle alcyon*). *Auk*, vol. 2, p. 311.
12. 1897. On the species of Bembidium of America north of Mexico. *Trans. Amer. Ent. Soc.*, vol. 24, pp. 32-143.
13. 1897. Preliminary hand-book of the Coleoptera of northeastern America. [Bembidium]. *Journ. N. Y. Ent. Soc.*, vol. 5, pp. 133-149.
14. 1900. A study of the species of Tachys of Boreal America. *Trans. Amer. Ent. Soc.*, vol. 26, pp. 191-238, plate 6.
15. 1901. Synonymical notes on Bembidium and descriptions of new species. *Trans. Amer. Ent. Soc.*, vol. 27, pp. 156-158.
16. 1901. The katydid's call in relation to temperature. *Psyche*, vol. 9, p. 179.
17. 1902. A note on the secondary sexual characters of *Onophron*. *Psyche*, vol. 9, p. 304. Cf. p. 335.
18. 1904. An abnormal specimen of *Bembidium scudderi*. *Psyche*, vol. 11, p. 14.
19. 1905. On the secondary sexual characters of *Notiophilus*. *Psyche*, vol. 12, p. 95.

A NEW CARIPETA.

In going through Packard's Monograph of the Geometridae, I find that he made an error in calling Figure 52, Plate IX, *Caripeta angustiorata* of Walker; and since the insect figured is undescribed I propose the name *Caripeta criminosa* for it. Detailed description with particulars will follow in the September number of the Journal of the New York Entomological Society.

L. W. SWIFT.