



Generic Guide to New World Scarab Beetles

Key to the Nearctic Species of *Lucanus* Scopoli M.J. Paulsen, University of Nebraska State Museum

- 1. Legs with femora bicolored, light brown with darker brown apex (Fig. 1)....***Lucanus capreolus* (L.)**
- 1'. Legs with femora unicolorous, dark brown to black..... **2**



Fig. 1. Right ventral view of *L. capreolus*, female showing light brown femora with darker apices.

- 2(1). Labrum subtriangular with narrowly rounded apex in both sexes (Figs. 2-3). Male mandibles multidentate, always longer than head and prothorax combined.....***Lucanus elaphus* (Fabr.)**
- 2'. Labrum pentagonal or subrectangular, apex truncate in both sexes (Figs. 4-7). Male mandibles never longer than head and prothorax combined, multidentate or not.....**3**

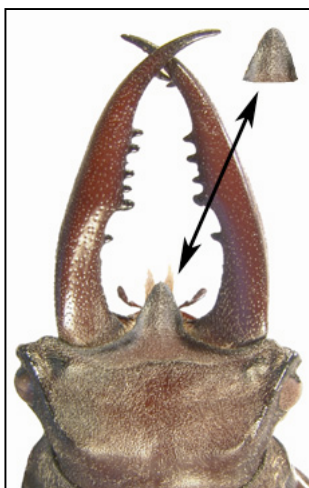


Fig. 2. Head of male *L. elaphus* (dorsal view) with arrow showing labrum (inset to show shape).

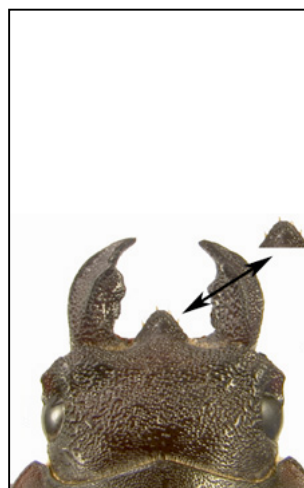


Fig. 3. Head of female *L. elaphus* (dorsal view) with arrow showing labrum (inset to show shape).



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- 3(2). Male mandibles usually multidentate. Labrum subquadrate in both sexes, length nearly subequal to width (Figs. 4-5). Central and eastern North America.....***Lucanus placidus* Say**
- 3'. Male mandible with 0-1 internal teeth. Labrum narrow, length less than 1/2 width (Figs. 6-7). Western North America (AZ, CO, NM, UT, and neighboring parts of México).....
..... ***Lucanus mazama* (LeConte)**



Fig. 4. Head of male *L. placidus* (dorsal view) with arrow showing labrum (labrum inset to show shape).



Fig. 5. Head of female *L. placidus* (dorsal view) with arrow showing labrum (labrum inset to show shape).

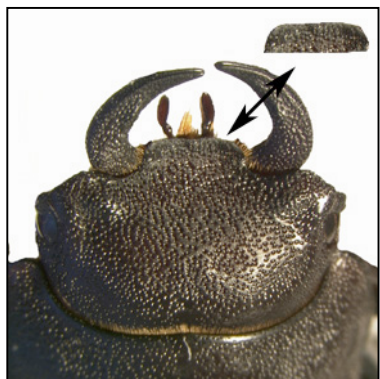


Fig. 6. Head of male *L. mazama* (dorsal view) with arrow showing labrum (labrum inset to show shape).

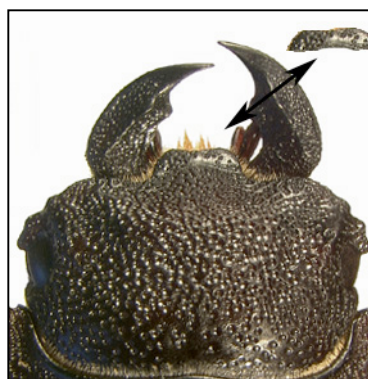


Fig. 7. Head of female *L. mazama* (dorsal view) with arrow showing labrum (labrum inset to show shape).

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Paulsen, M.J. 2006. Key to the Nearctic species of *Lucanus* Scopoli. (URL: <http://www-museum.unl.edu/research/entomology/Guide/Scarabaeoidea/Lucanidae/LUC/LUCA/LUC-Key/LucanusK.html>). In, B.C. Ratcliffe and M.L. Jameson (eds.), Generic Guide to New World Scarab Beetles (URL: <http://www-museum.unl.edu/research/entomology/Guide/index4.htm>). Accessed on: _____