



Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea)

By Howell V. Daly, Karl N. Magnacca

[Download now](#)

[Read Online](#) 

Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca

This volume of *Insects of Hawaii* is a systematic treatment of the native bees of the Hawaiian Islands. Believed to be descendants of a single female that arrived in the ancient archipelago millions of years ago, the native yellow-faced bees are prime examples of extraordinary evolutionary radiation. Despite their evolutionary and ecological importance, no comprehensive work has been published on them until now.

A total of fifty-nine species are recognized, including nine new species. Detailed keys for the identification of species are provided for males and, for the first time, females. The history of collections of the bees, their taxonomy, attributes for dispersal, biology, ecology, and relations to flower plants are discussed. Treatments of each species include annotated synonymy and other references; diagnosis of identifying features and general distribution; description of male and female; localities where first collected and recent collections; flower records; and remarks on taxonomic problems and other information. Line drawings of the male head and genitalia are included to facilitate identification, and all recent collection records are provided in an appendix. 67 illus.

 [Download Insects of Hawaii Vol. 17: Hawaiian Hylaeus \(Neso ...pdf](#)

 [Read Online Insects of Hawaii Vol. 17: Hawaiian Hylaeus \(Ne ...pdf](#)

Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea)

By Howell V. Daly, Karl N. Magnacca

Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca

This volume of *Insects of Hawaii* is a systematic treatment of the native bees of the Hawaiian Islands. Believed to be descendants of a single female that arrived in the ancient archipelago millions of years ago, the native yellow-faced bees are prime examples of extraordinary evolutionary radiation. Despite their evolutionary and ecological importance, no comprehensive work has been published on them until now.

A total of fifty-nine species are recognized, including nine new species. Detailed keys for the identification of species are provided for males and, for the first time, females. The history of collections of the bees, their taxonomy, attributes for dispersal, biology, ecology, and relations to flower plants are discussed. Treatments of each species include annotated synonymy and other references; diagnosis of identifying features and general distribution; description of male and female; localities where first collected and recent collections; flower records; and remarks on taxonomic problems and other information. Line drawings of the male head and genitalia are included to facilitate identification, and all recent collection records are provided in an appendix. 67 illus.

Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca **Bibliography**

- Rank: #2240901 in Books
- Brand: Brand: University of Hawaii Press
- Published on: 2003-04-30
- Released on: 2003-04-30
- Original language: English
- Number of items: 1
- Dimensions: 9.84" h x .56" w x 7.14" l, 1.08 pounds
- Binding: Paperback
- 234 pages



[Download Insects of Hawaii Vol. 17: Hawaiian Hylaeus \(Nesoprosopis\) Bees \(Hymenoptera : Apoidea\).pdf](#)



[Read Online Insects of Hawaii Vol. 17: Hawaiian Hylaeus \(Nesoprosopis\) Bees \(Hymenoptera : Apoidea\).pdf](#)

Download and Read Free Online Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca

Editorial Review

Review

"This is a fine revisional study, complete with a morphological account, descriptions, illustrations of faces, male genitalia and sterna, collection records, keys for identification. . . . The data in this revisional study should serve as the basis for studies of phylogeny, speciation events, dispersal among islands. . . . It is encouraging to know that the Insects of Hawaii series, begun in 1948 by Elwood C. Zimmerman, continues to make known the remarkable insect fauna of the Hawaiian Islands."

Users Review

From reader reviews:

Albert Aucoin:

Nowadays reading books be than want or need but also turn into a life style. This reading addiction give you lot of advantages. The advantages you got of course the knowledge the particular information inside the book this improve your knowledge and information. The details you get based on what kind of e-book you read, if you want get more knowledge just go with schooling books but if you want experience happy read one using theme for entertaining including comic or novel. Typically the Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) is kind of book which is giving the reader erratic experience.

Fran Short:

The publication untitled Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) is the book that recommended to you you just read. You can see the quality of the book content that will be shown to anyone. The language that writer use to explained their way of doing something is easily to understand. The author was did a lot of study when write the book, hence the information that they share for your requirements is absolutely accurate. You also will get the e-book of Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) from the publisher to make you much more enjoy free time.

Erica Lewis:

Many people spending their time period by playing outside with friends, fun activity together with family or just watching TV the entire day. You can have new activity to spend your whole day by looking at a book. Ugh, do you think reading a book can actually hard because you have to use the book everywhere? It all right you can have the e-book, taking everywhere you want in your Cell phone. Like Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) which is having the e-book version. So , try out this book? Let's find.

Jillian Harrington:

What is your hobby? Have you heard that question when you got scholars? We believe that that question was given by teacher with their students. Many kinds of hobby, Everybody has different hobby. And also you know that little person like reading or as looking at become their hobby. You should know that reading is very important as well as book as to be the thing. Book is important thing to include you knowledge, except your current teacher or lecturer. You see good news or update concerning something by book. Different categories of books that can you choose to adopt be your object. One of them is this Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea).

Download and Read Online Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca #JKHNR9XW8C

Read Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca for online ebook

Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca books to read online.

Online Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca ebook PDF download

Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca Doc

Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca MobiPocket

Insects of Hawaii Vol. 17: Hawaiian Hylaeus (Nesoprosopis) Bees (Hymenoptera : Apoidea) By Howell V. Daly, Karl N. Magnacca EPub