

A Dichotomous Key for the Identification of the Cockroach fauna (Insecta: Blattaria) of Florida

Insect Classification Exercise
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Abstract: Students used available literature and specimens to produce a dichotomous key to species of cockroaches recorded from Florida. This exercise introduced students to techniques used in studying a group of insects, in this case Blattaria, to produce a regional species key. Producing a guide to a group of insects as a class exercise has proven useful both as a teaching tool and as a method to generate information for the public.

Key Words: Blattaria, Florida, Blatta, Eurycotis, Periplaneta, Arceivaga, Comptosia, Holocompsa, Myrmecoblatta, Blautella, Cariblatta, Chorisonotura, Euthlastoblatta, Ischnoptera, Latiblatta, Neoblattella, Parcoblatta, Ploceoptera, Supella, Symptloe, Blaberus, Epilampra, Hemiblaberus, Nauphoeta, Panchlora, Phoetalia, Pycnosotis, Rhyparobia, distributions, systematics, education, teaching, techniques.

Identification of cockroaches is limited here to adults. A major source of confusion is the recognition of adults from nymphs (Figs. 1, 2). There are subjective differences, as well as morphological differences. Immature cockroaches are known as nymphs. Nymphs closely resemble adults except nymphs are generally smaller and lack wings and genital openings or copulatory appendages at the tip of their abdomen. Many species, however, have wingless adult females. Nymphs of these may be recognized by their shorter, relatively broad cerci and lack of external genitalia. Male cockroaches possess styli in addition to paired cerci. Styli arise from the subgenital plate and are generally conspicuous, but may also be reduced in some species. Styli are absent in adult females and nymphs.

As keys were modified to include / restrict genera to Florida it became apparent that certain neotropical genera would have to be included: Epilampra, Neoblattella, and Rhyparobia. The latter genus has not been found in Florida but its distribution makes it a likely candidate to be found here (Atkinson et. al, 1991). The other two genera have been recorded from Florida and are known to have established populations in extreme southern Florida.

Published keys were used whenever possible. Photo credits are given with pictures.



Fig. 1. Adult Australian cockroach, *Periplaneta australasiae* (F.); Blattaria, Blattellidae. Photo by J. Castner.

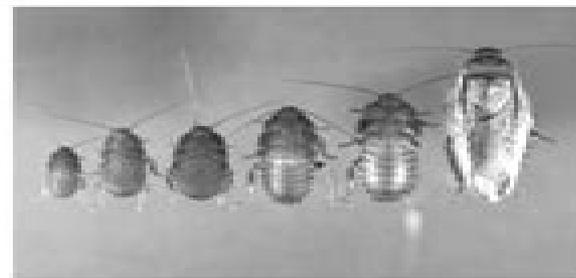


Fig. 2. Nymphs and adult of "Lobster" cockroach *Nauphoeta cinerea* (Olivier). Photo by J. Castner.

Project coordinator: P. M. Chase

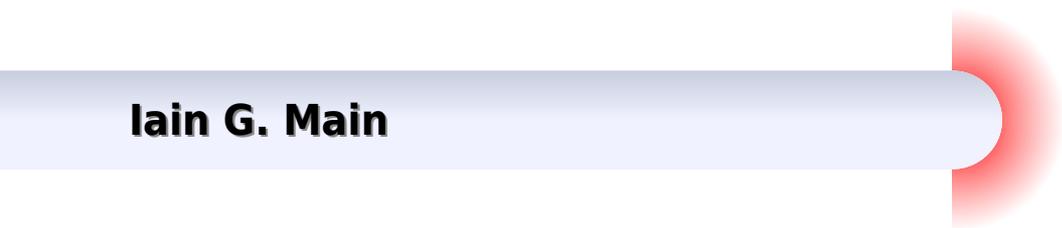
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Iain G. Main



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Table of Contents A Dichotomous Key For The Identification Of The Cockroach

1. Understanding the eBook A Dichotomous Key For The Identification Of The Cockroach
 - The Rise of Digital Reading A Dichotomous Key For The Identification Of The Cockroach
 - Advantages of eBooks Over Traditional Books
2. Identifying A Dichotomous Key For The Identification Of The Cockroach
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an A Dichotomous Key For The Identification Of The Cockroach
 - User-Friendly Interface
4. Exploring eBook Recommendations from A Dichotomous Key For The Identification Of The Cockroach
 - Personalized Recommendations
 - A Dichotomous Key For The Identification Of The Cockroach User Reviews and Ratings
 - A Dichotomous Key For The Identification Of The Cockroach and Bestseller Lists
5. Accessing A Dichotomous Key For The Identification Of The Cockroach Free and Paid eBooks
 - A Dichotomous Key For The Identification Of The Cockroach Public Domain eBooks
 - A Dichotomous Key For The Identification Of The Cockroach eBook Subscription Services

- A Dichotomous Key For The Identification Of The Cockroach Budget-Friendly Options
- 6. Navigating A Dichotomous Key For The Identification Of The Cockroach eBook Formats
 - ePub, PDF, MOBI, and More
 - A Dichotomous Key For The Identification Of The Cockroach Compatibility with Devices
 - A Dichotomous Key For The Identification Of The Cockroach Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of A Dichotomous Key For The Identification Of The Cockroach
 - Highlighting and Note-Taking A Dichotomous Key For The Identification Of The Cockroach
 - Interactive Elements A Dichotomous Key For The Identification Of The Cockroach
- 8. Staying Engaged with A Dichotomous Key For The Identification Of The Cockroach
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers A Dichotomous Key For The Identification Of The Cockroach
- 9. Balancing eBooks and Physical Books A Dichotomous Key For The Identification Of The Cockroach
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection A Dichotomous Key For The Identification Of The Cockroach
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine A Dichotomous Key For The Identification Of The Cockroach
 - Setting Reading Goals A Dichotomous Key For The Identification Of The Cockroach
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of A Dichotomous Key For The Identification Of The Cockroach
 - Fact-Checking eBook Content of A Dichotomous Key For The Identification Of The Cockroach
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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web sep 1 2015 clockwork princess is a shadowhunters novel the infernal devices will never stop coming a net of shadows begins to tighten around the shadowhunters of the london institute mortmain plans to use his infernal devices an army of pitiless automatons to destroy the shadowhunters he needs only one last item

the infernal devices clockwork princess volume 3 the infernal - Sep 20 2022

web jul 22 2014 a prequel to cassandra clare s mortal instruments series the infernal devices is the story of tessa gray a sixteen year old american girl traveling alone to victorian london who runs afoul of the city s sordid supernatural underworld

[clockwork prince wikipedia](#) - Jul 19 2022

web clockwork prince is a 2011 novel written by cassandra clare it is the second novel in the infernal devices trilogy and is written through the perspective of the protagonist tessa gray who lives at the london institute among shadowhunters a group of half angel half human beings called nephilim

[the infernal devices 3 clockwork princess cassandra clare](#) - Aug 20 2022

web secrets and enchantment third and final book in the bestselling prequel series to the mortal instruments set in victorian london a net of shadows begins to tighten around the shadowhunters of the london institute mortmain needs one last item to complete his plan he needs tessa