



Entomological Society of America Proposal Form for New Common Name or Change of ESA-Approved Common Name

Complete this form and e-mail to pubs@entsoc.org.

Submissions will not be considered unless this form is filled out completely.

The proposer is expected to be familiar with the rules, recommendations, and procedures outlined in the "Use and Submission of Common Names" on the ESA website at <https://www.entsoc.org/pubs/use-and-submission-common-names>.

1. Proposed new common name:

peppered cockroach

2. Previously approved common name (if any):

Not Applicable

3. Scientific name (genus, species, author): *Archimandrita tessellata* Rehn

Order: Blattodea

Family: Blaberidae

Supporting Information

4. Please provide a clear and convincing explanation for why a common name is needed, possibly including but not limited to the taxon's economic, ecological, or medical importance, striking appearance, abundance, or conservation status:

Archimandrita tessellata was described in 1903 by Rehn ([van der Wart 2015](#)), who sought to describe all the undetermined specimens in the Academy of Natural Sciences. He wrote of a specimen with the "[Pronotum of the general color, the pattern on the disk brownish black, median, not touching the anterior margin, sub-quadrate](#)," a characteristic that helps separate out a handful of cockroaches, and described the cockroach in question (Rehn 1903). This [prenatal marking has been noted as not being found on any other Costa Rican or Panamanian specimens](#), making it unique for this species in the region (Hebard 1922). Though the species is not found traditionally in the United States and Canada, it has been found as far north as Mexico, and is a species often used in research and scholarly work.

Cockroaches play an important role in the ecosystem as they provide a host of ecosystem services. As detritivores and scavengers, they will consume feces, decomposing wood, plant and animal matter [return nutrients from decomposing matter back into their respective cycles](#) (Bell et al. 2007). This also helps to clean the forest floor. [Cockroaches generally also help to pollinate plants through movement and feeding, and break up soils to facilitate plant root growth, which in turn supports the base of the food web](#) (Wagler and Wagler 2021). A wide variety of predators such as [birds](#) (Bell et al. 2007) include them in their diet. Cockroaches hold a role [in traditional diets and medicines as well](#) (Roth and Willis 1957). They are also an important species of consideration in bacterial health due to their [potential to spread bacteria through their movement from surface to surface, and contaminated region to uncontaminated region](#) as noted by the World Health Organization (Cochran 1999).

Archimandrita tessellata is also an education and research organism. Multiple USA based zoos such as the [Cincinnati Zoo](#), [Topeka Zoo](#) and the [Seneca Park Zoo](#) have this species in their collection, as well as international zoos such as the [Warsaw Zoological Garden](#) and [Selwo Marina](#) though under a variety of names. It is as an important species in the zoological system, often used as an educational organism and ambassador animal. Education is difficult though without an accepted common name. Scientific names are often difficult for children and adults outside of the field to grasp and remember, while the use of multiple common names generates confusion among audiences and professionals alike on what species is being referenced without a scientific name accompanying it. With a high fecundity rate, cockroaches are also a great model organism in science for modeling a wide variety of biological behaviors such as reproduction and locomotion. It has also been studied in a broader research study on [male genitalia of the cockroach](#) (Roth 1970). There is a need for an accepted common name in order to standardize the education, research, and conservation process.

To understand the need for a common name, we must also highlight how our organization, Connecticut's Beardsley Zoo became interested in it. In 2007 Connecticut's Beardsley Zoo received a donation of a cockroach colony, then labeled *Eublaberus distanti*, another cockroach that does not have an approved common name, but is sometimes known as the Trinidad cave cockroach, the giant Trinidad cave cockroach, the four-spot cockroach, and the six-spot cockroach. For over 15 years the colony lived labeled as *Eublaberus distanti*, until Andrew, a Zoo Educator, went to update our ambassador animal information and noticed the colonies morphology and life span, did not align with that of *Eublaberus distanti*, a very similar looking species. This was a variation that had previously been noticed by a fellow staff member, and together they worked to discover what species it was.

Over the course of a month and consultation with entomologists at a range of institutions such as Ohio State University and Columbia University we identified the species, however discovered a lack of a common name, which made research and consultation difficult. We also found online misidentified sources, with *Blaberus giganteus*, another commonly misidentified specimen swapped with it. The use of a common name would allow people to follow a paper trail easier and to cross examine specimens under a common name versus a scientific name, particularly when scientific names are excluded. Therefore, we propose the use of the common name "peppered cockroach" for *Archimandrita tessellata*.

5. Stage or characteristic to which the proposed common name refers.

(If the description involves a physical feature, it is strongly encouraged that an image of the organism be provided with this submission.)

The name peppered cockroach refers to the adult stage of the insect and the distinct peppered coloration along the dorsal side of the cockroach, including their semi-opaque wings. Below you will find photographs of a male (left) and female (right) peppered cockroach, with further photographs available in appendix I. As the largest part of the life cycle, and the most easily to detect, we found it appropriate to select this stage for human identification purposes.



6. Distribution (include references):

The peppered cockroach is found in [Central America](#) and northern South America, in countries like [Colombia](#), [Panama](#), [Costa Rica](#), [Guatemala](#), [Nicaragua](#), [Honduras](#), [Belize](#) and [Mexico](#). It has been found in the wild, as well as in homes it invades, with countries like [Costa Rica](#), reporting domestic peppered cockroaches. The image below is pulled from an [online cockroach database](#) and shows one form of their range map. Appendix II contains an additional range map for the peppered cockroach from citizen scientist reports in iNaturalist.



7. Principal hosts (include references):

The peppered cockroach lives on the forest floor of its home range and can be associated with hundreds of plants within the ecosystem, a list that is constantly growing as new species are discovered. The peppered cockroach can interact with a variety of potential host plants on the forest floors. There is over [3,000 vascularized plants in La Amistad National Park in Costa Rica and Panama](#) (Monro et al. 2017) that the peppered cockroach could interact with. In [7 plots across Costa Rica and Nicaragua, over 200 species were identified greater than 2.5 cm](#) (Gillespie et al. 2000), a size equating to one half the adult cockroach size or greater. Fabaceae, which is the family of legumes and flowering peas, was the most identified family in these plots (Gillespie et al. 2000). They can drop their fruit and provide food for the peppered cockroach. This includes the [Bat ears tree](#), [the High land cawi](#), [the Pink mary](#), and [the Dog bush](#).

8. Please provide multiple references indicating clearly that the proposed name is already established and ideally widespread in use. If the name has been newly coined for purposes of this application, please state so:

The term peppered cockroach has been utilized in a wide variety of mediums from educational and zoological, to research and public forums. [Connecticut's Beardsley Zoo](#) utilizes the common name peppered cockroach over a scientific name as it is easier for visitors to grasp and to remember. It also allows them to mentally relate species of cockroach, utilizing known information on the word cockroach. An assortment of databases also provide the name peppered cockroach as the common name for this species. The United States government has adapted the common name as well for their use. They have the peppered cockroach listed in the USDA database of regulated species for plant pests. Researchers have used the common name as well in their publications, as have photographers interested in showcasing the species. See Appendix III for a list of locations where the common name peppered cockroach is in use. There is an assortment of locations in which cockroach has been abbreviated to roach, with peppered roach being listed as a common name. See Appendix IV for a list of these locations. We have included it under both section 8 and 9, as it is an abbreviation of the proposed common name, however it should be noted that peppered cockroach is the proper full common name.

9. Please identify any common names in use, including those used by indigenous peoples in the insect's area of origin, that have been applied to this taxon, other than the one herein proposed, with references. Please justify why each alternate name is inadequate:

Through extensive online searches in English, Spanish, and Latin texts, it is evident there are multiple names in use for reference for *Archimandrita tessellata*, however none are as prominent or widely used as the peppered cockroach, or the scientific name alone. We have broken up each name below alongside a description of why that name is not useful. Most, if not all of these other common names have not been found in scholarly research articles.

peppered roach: This name is not appropriate for roach is an abbreviation or slang for the word cockroach, which originated [from the Spanish word "la cucaracha."](#) It is important to trace this translation of words, and to map the origin of the word in the English language. Additionally, most ESA names should include a modifier and a reference to the family or group per [ESA common name rule 5](#), and this it is important to clearly and fully reference the cockroach, versus the roach. An example of this name can be found on the [Cincinnati Zoo and Botanical Garden's website](#).

bullshead cockroach: This name pays tribute to the bruise-colored marking on the pronotum of the cockroach, and the similarities to the shape of a bull's head. This name is inadequate as this is a trait shared with multiple species such as *Blaberus giganteus*. What differentiates them instead is their opaque wings that are peppered with dark markings. An example of this name can be found on the [Warsaw Zoological Garden's website](#).

bull's head cockroach: See bullshead cockroach description above.

bullhead cockroach: see bullshead cockroach description above.

bull's horn cockroach: This name pays tribute to the two lines coming out of the bruised-color marking on the pronotum of the cockroach and their similarities to the horns of a bull. This name is inadequate as this is a trait shared with other species such as *Blaberus giganteus*. An example of this name can be found on the following [photo blog](#).

giant peppered cockroach: This name pays tribute to the size of the cockroach alongside its wing pattern. It is not used as widely as the common name peppered cockroach in current media and can be easily mistaken with a multitude of species of cockroaches that utilize cockroach in its name. This includes the name giant cockroach for the family blaberidae, the (non-approved) name giant cave cockroach, for *Blaberus giganteus*, the (non-approved) name giant burrowing cockroach, for (*Macropanesthia rhinoceros*), among others. The peppered cockroach is also not the largest of the cockroaches, and thus giant should be saved for more appropriate species. An example of the name can be found on the [Selwo Marina website](#).

giant peppered roach: This name pays tribute to the size of the cockroach, and its wing pattern. For similar reasons to the giant peppered cockroach, seen above, giant is an inappropriate term for this species. This name also uses the abbreviated roach instead of the full cockroach. There is a need to use the full and proper cockroach to indicate the group the insect belongs to, and thus roach is not adequate. An example of this name can be found in a [Cornell article](#).

giant cockroach: This name solely references the size of the cockroach. It is an inadequate term, as there are cockroaches of larger and similar size, as well as an array of cockroaches with giant in their (non-approved) names. Giant cockroach is also the term for the family blaberidae, so confusion will exist for the species versus the family. An example of the name can be found on the [Spanish personal website of Pablo Bedrossian](#).

cucaracha pimienta gigante: The Spanish origin of the common name giant peppered cockroach, this name should not be utilized for the reasons listed under giant peppered cockroach above. An example of the name can be found on the [Selwo Marina website](#).

tessellated gargantuan cockroach: This name pays tribute to the opacity of the wings and the size of the cockroach. Tessellation refers to the repeat using of a tile or shape to create a pattern without any gaps per [California State University Northern](#). This refers to the wings of the cockroach, which are opaque. The tessellated portion of the name is not adequate for it is not a regular pattern of the wings, which mathematically should be regular. Gargantuan is not appropriate for the peppered cockroach is not the largest of the cockroaches, and thus giant should be saved for more appropriate species. One example of this name can be found in an online [cockroach database](#).

Dr. Aiello of the Smithsonian Tropical Research Institute checked with colleagues at the University of Panama who have not heard of any common names for the species in both English and Spanish. They did mention two names they have had opinions on, (email screenshot in section 11) listed below:

spotted cockroach: as Dr. Aiello mentions in their email, this name calls for a spotted creature, which *Archimandrita tessellata* is not. This species is more peppered in coloration than spotted, thus the name peppered cockroach is more suitable. Peppered cockroach is also more in use than spotted cockroach, and spotted cockroach is more associated with *Eublabeus distanti*, often [referred to as the six-spotted cockroach](#), a species we do not want it to be confused with.

giant speckled roach: The name giant speckled roach is inadequate for three reasons. The adjective, giant is not most suitable for this species. There are other species that are larger than this one. Roach is an abbreviation for cockroach, and thus is not suitable. Speckled cockroach, is also [in use](#) as an unapproved common name for [another species](#), *Nauphoeta cinerea*.

10. Please identify any other organisms to which your proposed common name *could* apply, giving careful consideration to closely related taxa. Please justify why the proposed common name is (i) unsuitable for each of those taxa and/or (ii) better suited for the proposed taxon:

***Pycnoscelus surinamensis*:** Is a potential species that the common name peppered cockroach could apply to. This name is not suitable for this species as their wings are more solid than peppered. They also have an ESA accepted common name already of the Surinam cockroach. The wings of *Archimandrita tessellata* are more peppered in coloration than this species, and thus the name peppered cockroach is more suited for *Archimandrita tessellata*.

***Eublabeus distanti*:** Is the species our specimen was originally called when it was donated to us. This name is not suitable as they are not peppered in color. They do have dark marks on their body, but it is not peppered. *Archimandrita tessellata* is peppered in color, and thus this name suits them more.

Blaberus giganteus: Is one of the potential identifications we came up with during the identification process for the colony at the zoo, however it lacks the distinctive peppered-opaque wings that our colony had. They are not peppered with color. *Archimandrita tessellata* has peppered wings, and thus the name suits them.

Blaberus discoidalis: is a species within the family blaberidae, that has semi-opaque wings. They are not peppered in color however, thus the name peppered cockroach does not suit this species. *Archimandrita tessellata* has opaque and peppered wings, thus this name suits them more than *Blaberus discoidalis*.

Nauphoeta cinerea: is a species of cockroach that has a dark body with small, peppered marks, however it is mostly dark in color. Due to their more uniform color, the term peppered cockroach is not as appropriate for them. *Archimandrita tessellata* has a more distinct peppered coloration within its wings, and thus the common name peppered cockroach is more suitable for *Archimandrita tessellata*.

Though there are species that are confused with, or share characteristics with *Archimandrita tessellata*, the common name peppered cockroach is only truly suited for the species *Archimandrita tessellata*.

11. Please document your efforts to consult with entomologists (including taxonomic specialists), colleagues, or other professionals who work with the taxon as to the suitability and need for the proposed common name. Please note that this is an important element of your proposal; proposals that do not document these steps are less likely to be successful.

Zoe Glover: Connecticut Beardsley's Zoo Educator

RE: Cockroach Formal Common Name Proposal



Zoe Glover

To: Andrew Connolly; Jim Knox; Carolyn Rinaldi; Jenn Farrell; Chrissy Shore; Lauren Tiroletto; Deszani Flemmings; Denise Lukienchuk; Tracy Benham

Follow up. Completed on Wednesday, January 11, 2023.

Start your reply all with: [Thank you. I appreciate that.](#) [You are too funny!](#) [Thank you!](#) [Feedback](#)

Hi Andrew,

I think you did a great job rounding up the proper research to support the common name peppered cockroach. That said, I support your work!

-Zoe

[Reply](#) [Reply All](#) [Forward](#) [...](#)

Wed 1/11/2023 3:36 PM

Jim Knox: Connecticut's Beardsley Zoo Curator of Education

Re: Cockroach Formal Common Name Proposal



Jim Knox

To: Zoe Glover; Andrew Connolly; Carolyn Rinaldi; Jenn Farrell; Chrissy Shore; Lauren Tiroletto; Deszani Flemmings; Denise Lukienchuk; Tracy Benham

If there are problems with how this message is displayed, click here to view it in a web browser.

Start your reply all with: [Sounds good, thanks!](#) [Thank you. I appreciate it.](#) [Understood. Thank you.](#) [Feedback](#)

Hi Andrew,

I support your research to formally recognize a proposed common name for the Peppered Cockroach.

I will not have time for a comprehensive review until at least Friday.

Best,


Jim


Jim Knox
Curator of Education
Connecticut's Beardsley Zoo
Connecticut Zoological Society





[Reply](#) [Reply All](#) [Forward](#) [...](#)

Wed 1/11/2023 10:47 PM

Re: Cockroach Formal Common Name Proposal

 Jim Knox
To Carolyn Rinaldi; Andrew Connolly

 Follow up. Start by Sunday, January 15, 2023. Due by Sunday, January 15, 2023.
If there are problems with how this message is displayed, click here to view it in a web browser.

 Reply  Reply All  Forward 

Fri 1/13/2023 11:13 AM

Hi Andrew,

I finally found some time to review your work.

I fully support your effort to officially establish a common name for this species as Peppered Cockroach.

Your rationale is sound, especially in that it provides our guests and the public at large with a means of easily grasping the identity and conservation value of this species.

While I particularly like the unambiguous use of the word, "Gargantuan" in any species description, I especially like the rationale behind the following: "Gargantuan is not appropriate for the peppered cockroach is not the largest of the cockroaches, and thus giant should be saved for more appropriate species."

Great stuff!

Best of luck and please keep us posted!

Jim

Jim Knox
Curator of Education
Connecticut's Beardsley Zoo
Connecticut Zoological Society

Denise Lukienchuk: Connecticut's Beardsley Zoo Educator and Graphic Designer

Re: Cockroach Formal Common Name Proposal

 Denise Lukienchuk
To Andrew Connolly


 Reply  Reply All  Forward 





Thu 1/12/2023 9:59 AM

This is wonderful, Andrew!

Carolyn Rinaldi: Connecticut's Beardsley Zoo Assistant Curator of Education

RE: Cockroach Formal Common Name Proposal

 Carolyn Rinaldi
To Andrew Connolly; Jim Knox; Jenn Farrell; Chrissy Shore; Lauren Tiroletto; Deszani Flemmings; Zoe Glover; Denise Lukienchuk; Tracy Benham

 Reply  Reply All  Forward 

Thu 1/12/2023 2:52 PM

Dear Andrew,

This is very exciting! I hope your/our work gets accepted and a common name becomes official!


While I would love to vote for **tessellated gargantuan pimienta cucaracha**, I'm going to have to go with Peppered Cockroach.





Thank you for all of your work.

Carolyn

Joe Maloney: Rainforest and Invertebrate Animal Care Specialist Also endorses on behalf of Topeka Zoo

Re: Peppered Cockroach Common Name Proposal

 Joe Maloney <jmaloney@topekazoo.org>
To Andrew Connolly

 Reply  Reply All  Forward 

Thu 1/12/2023 2:43 PM

Hello Andrew,

Common names are a difficult thing to standardize, particularly for species that cover large geographic areas. Multiple regional names are often used. In this specific case however, I do think it very possible to get AZA members to unify behind a single common name for convenience's sake. As you mentioned, it makes public education and outreach much more effective if we are all using the same name. We here at Topeka would be in support of utilizing the name Peppered cockroach or Peppered roach. This is the most frequently used common name that I've seen, and we have used it on all of our educational displays for as long as we've had this species. Since this is mainly going to be an AZA thing, you probably won't have to deal much with this, but if you do correspond with any other entomologists regarding this issue, you will likely run into them questioning how exactly we know that we are working with *Archimandrita tessellata* specifically, and not another species in *Archimandrita* such as *A. marmorata*. Entomologists rarely use common names and tend to stick to the genus unless they are absolutely certain of ID. ID to exact species is much more rare and difficult than people often realize. So in this case, they would likely recommend that we simply refer to them as *Archimandrita sp.* - which is how they would do this. However, that is a tangential issue that I deal with a lot, not something that is likely to be relevant here. I appreciate your enthusiasm on this. A big part of my job is to manage our invertebrate collection, and it is nice to see people taking an interest in the bug world.

Let me know if you need anything else regarding this name standardization.

Thanks,





Joe Maloney
Tropical Rainforest/Invertebrates
Topeka Zoo and Conservation Center
785-806-0240
JMaloney@Topekazoo.org



Chrissy Shore: Animal Care Specialist and Zoo Educator at Connecticut's Beardsley Zoo

Re: Cockroach Formal Common Name Proposal

 Chrissy Shore
To: Andrew Connolly

 Reply  Reply All  Forward 
Mon 1/23/2023 3:24 PM


Start your reply all with:  Feedback





Looks phenomenal to me! Thorough, well-written, and irrefutable in my eyes!


Chrissy

Joel Sartore: National Geographic Photographer and 2018 NG Explorer of the Year. Creator of the Photo Ark project ft. *Archimandrita tessellata*

Fwd: Peppered cockroach Common Name Proposal

 Joel Sartore <joel.d.sartore@gmail.com>
To: Andrew Connolly; Rebecca Wright

 Reply  Reply All  Forward 
Tue 1/24/2023 8:35 AM

 Follow up. Start by Tuesday, January 24, 2023. Due by Tuesday, January 24, 2023.
If there are problems with how this message is displayed, click here to view it in a web browser.

Start your reply all with:  Feedback

Andrew,

Thanks for seeking out our opinion on this. I'm no insect expert, but Loren and Babs Padelford are, and they give your proposal a thumbs up. They do the majority of our insect identification for the Photo Ark.

Cheers,

Joel

Loren and Babs Padelford: Entomologists and Naturalists, Fontenelle Forest Nature Search Website Editors

From: Loren Padelford <padelfordl@cox.net>
Subject: Re: Peppered cockroach Common Name Proposal
Date: January 23, 2023 at 10:42:42 PM CST
To: Joel Sartore <joel.d.sartore@gmail.com>
Cc: Babs Padelford <lpdlfrd@cox.net>, Loren Padelford <padelfordl@cox.net>

Joel,

We agree with the proposal by Andrew Connolly to officially name this cockroach "peppered cockroach." The common name used on iNaturalist is peppered cockroach. It is highly prized in the pet trade and is called peppered cockroach on all the websites I visited. We, like you, feel it is important to have official common names so everyone knows what you are talking about.

Thanks for sending this. It was interesting reading about this cockroach.


Loren and Babs

Here is a link to our cockroach images.




Tracy Benham: Volunteer Coordinator and Zoo Educator at Connecticut's Beardsley Zoo

RE: Cockroach Formal Common Name Proposal

 Tracy Benham
To: Andrew Connolly

 Reply  Reply All  Forward 
Wed 2/1/2023 3:25 PM

 Follow up. Completed on Thursday, February 2, 2023.

Start your reply all with:  Feedback

Hi Andrew --with apologies, I never sent you my approval! I love the name --will be easy to remember and to pronounce! I think our guests will like it too. Thanks for doing all of this hard work. ~Tracy

Tracy Benham
Volunteer Coordinator
203-330-6046



Dr. Brian Alford: Assistant Director of Stone Laboratory, Ohio State University

RE: Insect Common Name Proposal



Alford, Brian <alford.109@osu.edu>
To: Andrew Connolly; Hart, Kevin; Bixler, Susan M.

Reply Reply All Forward

Mon 2/6/2023 9:07 AM

Hey Andrew,

Glad to hear from you. Not surprised to see you taking this bull by the horns. I think you have a well thought out proposal below. My only suggestion is that, based on dealing with the same issue with common names of fishes (bowfin alone has like 26 region-specific names), is to check with local taxonomists/biologists where it originates (so Costa Rica/Panama), and have them more or less sign off on the proposed name. Sometimes there are regionally important names given to plants/animals that we tend to overlook (the Royal "we").

Best to you,

Brian



THE OHIO STATE UNIVERSITY

J. Brian Alford, Ph.D.
Assistant Director
Franz T. Stone Laboratory School of Environment and Natural Resources
878 Bayview Ave., P.O. Box 119, Put-in-Bay, OH 43456
419-285-1870 Office
alford.109@osu.edu / <https://stonelab.osu.edu/>

Dr. Annette Aiello: Entomologist, Smithsonian Tropical Research Institute, Panama

Re: Archimandrita tessellata Common Name Proposal



Aiello, Annette <AIELLOA@si.edu>
To: Andrew Connolly

Reply Reply All Forward

Tue 2/7/2023 7:07 PM

Hello Andrew,

I asked a professor at the University of Panama, who also is in charge of the insect collection there, whether he knows of any common names for *Archimandrita tessellata*. He does not know of any, in either language, nor do any of his colleagues.

In case you are interested in my opinion, to me, the named "Spotted cockroach" is not very descriptive for two reasons: 1) Those are not spots because they are tiny, and they fall on top of each other. They are speckles. 2) The most noticeable thing about that roach is its size. It's slightly larger than *Blaberus*. A much more descriptive name would be the "Giant speckled roach."

Hope these comments help.

Best wishes.

Annette Aiello

Kevin Hart: Lab Manager, Stone Laboratory, Ohio State University

RE: Insect Common Name Proposal



Hart, Kevin <hart.266@osu.edu>
To: Andrew Connolly

Reply Reply All Forward

Fri 2/10/2023 1:0

Start your reply all with: [Thank you so much for the info!](#) [Thank you!](#) [Good to know. Thanks.](#) [Feedback](#)

This is great Andrew. I agree with Brian's info to you below. He has dealt with this during his time before Stone Lab. Way to stay motivated and take the lead on something like this. Seems nothing has changed since your time at Stone Lab.

FYI our positions are posted if you are unhappy with your current gig 😊.....joking.....kind of.

Kevin



THE OHIO STATE UNIVERSITY

Kevin Hart
Laboratory Manager
F.T. Stone Laboratory and Ohio Sea Grant
School of Environment and Natural Resources
878 Bayview Ave, Put-in-Bay, Ohio 43456
Phone: 419-285-1844
Email: hart.266@osu.edu
www.ohioseagrant.osu.edu

Dr. Bekka Brodie: Director of the Master's Program in EEB and Entomologist at Columbia University

Re: Insect Naming Question (*Blaberus giganteus*)



Bekka Brodie <bb3117@columbia.edu>
To: Andrew Connolly

Reply Reply All Forward

Sat 2/11/2023 10:21 AM

common_names_proposal_form_BSB_11Feb23.docx
3 MB

Start your reply all with: [Thank you so much! I really appreciate it!](#) [Thank you so much for the feedback.](#) [Thank you so much!](#) [Feedback](#)

Good morning, Andrew!

Wow! You have done a lot of work here. I am (as always) very impressed with your work. You have presented strong support for a common name. Well done!

I have made a few comments and edits throughout to smooth out the writing (see attached). A few things really stood out to me, consistency with the use of plural or singular ("I" versus "we"). When writing about cockroaches consider writing in the passive voice as opposed to active because active takes the attention away from the subject (the cockroach) which is where it should be for an application like this. I also moved some paragraphs around for better flow.

I would be happy to read another version when you are ready!! Really, I am happy to help wherever... This is so cool.

All the best,
Bekka

Proposed by (your name): Andrew Connolly

Address: ATTN: Andrew Connolly- Education Department 1875 Noble Avenue, Bridgeport, CT 06610

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Date submitted: 3/21/2023

Appendix I: Photographs of the peppered cockroach alongside image descriptions



The dorsal side of the female peppered cockroach. Note the opaque wings with speckling, a distinctive feature, as well as the distinct mark on the pronotum.



The ventral anterior of the female peppered cockroach. Note the size and shape of the anterior sternite of the cockroach and the visible ovipositor, indicative of the sex of the cockroach.



The dorsal side of the male peppered cockroach.



The ventral side of the male peppered cockroach. Note the size and shape of the anterior sternite as well as the small, but visible anal styles, indicative of the sex of the cockroach.



Face of the peppered cockroach, notice from the ventral side one can still see the peppered markings in the semi-opaque wings.



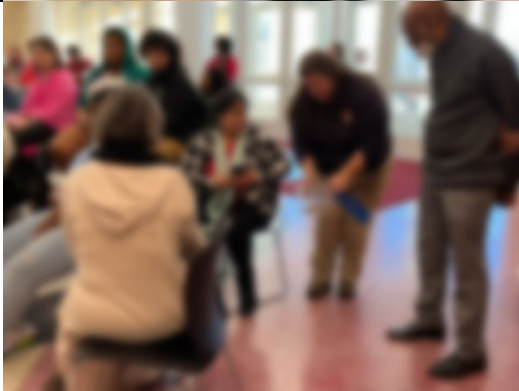
Dorsal view of the peppered cockroach. Note the distinct peppered coloration of their semi-opaque wings, which become darker over time.



Individuals from the peppered cockroach colony in their habitat. Note their speckled pattern on their dorsal side, one of their key defining features.



Individual from a Beardsley Zoo peppered cockroach colony being utilized in an educational program. Image blurred to protect students' privacy.



Individuals from the Beardsley Zoo peppered cockroach colony being shown at a public event. Image blurred to protect guests' privacy.

Appendix II: A screen clipping of the range map of the peppered cockroach pulled from [iNaturalist](#) using citizen science observations.



Appendix III: A list of 14 sample locations where the name peppered cockroach has been utilized

Type	Link	Description
Zoo	https://senecaparkzoo.org/peppered-cockroach/	A description of the peppered cockroach, one of the animals included in the zoo's collection.
Zoo	https://www.beardsleyzoo.org/peppered-cockroach.html	A description of the peppered cockroach, an education ambassador in the zoo's collection.
Zoo	https://topekazoo.org/explore/animals/arthropod/	A description of the peppered cockroach, one of the animals included in the zoo's collection.
Database	https://www.inaturalist.org/taxa/514609-Archimandrita-tessellata	iNaturalist lists this species as the peppered cockroach under their common name for the species.
Database	http://cockroach.speciesfile.org/Common/basic/Taxa.aspx?TaxonNameID=1174141	Peppered cockroach is one of two listed common names for the species.
Database	https://animaldiversity.org/accounts/Archimandrita_tessellata/classification/	Peppered cockroach is the primary listed common name for this species.
Database	https://www.biolib.cz/en/taxon/id133500/	Peppered cockroach is listed as the common name for the species in this database.
Photographer	https://www.joelsartore.com/stock/INS016-00056/?search=%22Zoo%22&sequence=23&num=	A photograph of the peppered cockroach on the website of Joel Sartore, National Geographic Explorer of the Year.
Photographer	https://www.abbottnaturephotography.com/image/I0000_4iKkN0Uvfl	A photograph of the peppered cockroach on a photographer's website, labeled as peppered cockroach.
Journal	https://bioone.org/journals/comparative-parasitology/volume-78/issue-1/4455.1/TheIastomatid-Nematodes-Oxyurida--TheIastomatoidea-from-the-Peppered-Cockroach-Archimandrita/10.1654/4455.1.short	A research article from <i>Comparative Parasitology</i> examining nematodes on the host peppered cockroach.
Journal	https://www.nature.com/articles/s41598-020-79842-6	A research article from <i>Scientific Reports</i> on parasitology of species, including the peppered cockroach.
Government	https://www.aphis.usda.gov/aphis/ourfocus/planthealth/import-information/permits/plant-pests/330-web-lists/plant-pest-list	A list of regulated species for plant pests in the United States by the USDA.

Conference Program	https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=64135c66960c1667a7be25e8c19a60778e82c99d	A list of abstracts for the American Association of Parasitologists, including mention of the peppered cockroach.
University	https://usuinsecttours.wixsite.com/usuentomologyclub/about-usu-insect-tours	Utah State University in partnership with their entomology club offered tours of their insect collection, including a peppered cockroach.

Appendix IV: A list of sample locations in which cockroach has been abbreviated to roach, yielding the common name peppered roach.

Type	Link	Description
Zoo	https://cincinnatizoo.org/animals/peppered-roach/	A description of the peppered (cock)roach, one of the animals included in the zoo's collection.
News	https://www.cbsnews.com/philadelphia/news/bugs-will-soon-be-crawling-into-academy-of-natural-sciences/	A description of the collection at the Academy of Natural Sciences including a peppered cock(roach).
News	https://www.taipeitimes.com/News/taiwan/archives/2020/06/28/2003738990	A description of the peppered (cock)roach as a pet for an individual from the only printed daily English newspaper in Taiwan.
News	https://www.wlwt.com/article/new-to-the-cincinnati-zoo-a-peppered-roach-from-central-america/35857554	A description of the addition of the peppered (cock)roach to the Cincinnati Zoo.
Television	https://www.bbc.co.uk/programmes/p00wbdwh/p00wbdyv	A tv show exploring "Nature's Nighttime World", including the peppered cock(roach) in their Central American episode. .
Media	https://www.bbc.co.uk/programmes/p00wbdwh/p00wbdyv	A photograph of the peppered cock(roach) in an advertisement still for a television show.
Journal	https://link.springer.com/article/10.1007/s00436-011-2278-7	A study of parasites found in species including the peppered (cock)roach in the journal <i>Parasitology Research</i> .
Book Chapter	https://link.springer.com/chapter/10.1007/978-3-319-98285-4_11	An examination of the diets of White-Faced Capuchins, a diet that includes the peppered (cock)roach.
Commercial	https://roach-ranch.com/product/archimandrita-tesselata/	An insect supplier that includes peppered (cock)roaches in their inventory.
University	https://usuinsecttours.wixsite.com/usuentomologyclub/about-usu-insect-tours?lightbox=imagefte	Utah State University showcased their ambassador animal, a peppered (cock)roach, in a visual display.
Personal Site	https://pablobedrossian.com/2015/08/17/archimandrita-tessellata-una-de-las-cucarachas-mas-grandes-del-mundo-por-pablo-r-bedrossian/	A Spanish website, Pablo Bedrossian wrote of the species, known in English as the peppered (cock)roach. "Conocida en ingles," translates to "Known in English".