



ENTOMOLOGICAL SOCIETY OF AMERICA

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Proposal Form for new Common Name or Change of ESA-Approved Common Name

Complete this form and send or e-mail to the above address.

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 and with the discussion by A.B. Gurney, 1953, *Journal of Economic Entomology* 46:207-211.

January 14, 2008

Esteemed ESA Common Names Committee members,

As the co-Chairs for the Western Forest Insect Work Conference (WFIWC) Common Names Committee (CNC), we are pleased to present the following insect for your consideration. This proposal is part of a current effort to update the important publication [Western Forest Insects](#) and formalize common names used therein not yet recognized by ESA.

Our committee also works with the Entomological Society of Canada and so you will find entries in our form that are in addition to those you require (numbered entries accompanied by a letter are additional). All ESA questions are numbered and worded as found on your form.

If you have any questions or concerns about this or other submissions from our organization, we encourage you to contact us.

Sincerely,

/s/ Brytten Steed

Brytten Steed
WFIWC-CNC co-Chair
bsteed@fs.fed.us

/s/ William Ciesla

William Ciesla
WFIWC-CNC co-Chair
wciesla@aol.com

I ask that the WFIWC Standing Committee on Common Names of Insects facilitate the submission of the following common name or name change to ESA and ESC.

1. Proposed new common name (English):

green flatheaded pine borer

1b. Proposed new common name in French (optional):

None

2. Previously approved ESA common name (if any):

None

2b. Previously approved English ESC common name (if any):

None

2c. Previously approved French ESC common name (if any)-include direct translation to English:

None

3. Scientific name (genus, species, author): *Phaenops gentilis* (LeConte)

Order: Coleoptera

Family: Buprestidae

3b. List important previous scientific names (esp. note if this scientific name is different from that noted in Western Forest Insects or in the literature cited).

Melanophila gentilis LeConte (This is the scientific name used in Furniss and Carolin 1977).

The basis for assignment of this species to the genus *Phaenops* is given in ICZN 1996

Supporting Information

4. Reasons supporting the need for the proposed new or changed common name:

This proposal is part of an initiative to assign as many ESA common names to insects mentioned in “Western Forest Insects” (Furniss and Carolin 1977) prior to its revision. This is a standard reference used by western forest entomologists.

Furniss and Carolin (1977) use the common name “flatheaded pine borer.” This name is considered too vague because there are many “flatheaded pine borers.” It has also been suggested that since this insect is of little or no economic importance, a common name may be inappropriate. However, the adult stage is metallic green and gold and, at least, superficially resembles the recently introduced and very destructive emerald ash borer, *Agrilus planipennis*. Several indigenous Buprestidae are green in color and could be confused with emerald ash borer. Assignment of a common name to *Phaenops gentilis*

and other species that could be confused with emerald ash borer could be of help in preparing guides to the identification of emerald ash borer.

During our review period we did get the following response:

The argument about separating this species from the emerald ash borer as the basis for a common name seems weak to me. The fact that it's found in pine, not ash, should be good enough to dissuade concerns. In addition, you need a distinctive common name. The only real difference between "emerald ash borer" and "green flathead pine borer" is the use of "ash" and "pine", respectively. They are both green buprestids ... and there are many others out there as well. You need a better name ... something that would distinguish it from the other common green flathead borers.

As part of our preparations for this proposal, we asked Rick Westcott, buprestid taxonomy expert [http://calphotos.berkeley.edu/cgi/reviewers_query?one=T&name=Rick+Westcott] to review all the western Buprestidae and identify which ones he felt warranted common names based on prevalence or economic impact. The following is an excerpt from his review:

The following is a list of "Buprestidae to consider for common names: Even though most of them are of little or no economic importance, nevertheless they may be considered such by some, or they are common enough to warrant it. All the others, in my opinion, should not be candidates." (He then went on to list and discuss all the buprestids he though warranted a common name. *Phaenops gentilis* was one he listed.)

"*Phaenops gentilis* (LeConte). Although Bill indicated he did not like the common name proposed, nevertheless I remain of the opinion that it is okay, and that this species is common enough to warrant such."

Based on Rick's expert judgment, we feel this proposal is warranted and that the proposed name is appropriate.

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

The common name refers to the metallic **green** color of the adult, the **flatheaded** characteristic of the larval stage of all buprestids, and the **pine** host

6. Distribution (include citations):

Occurs extensively in the Western States – Furniss and Carolin (1977)

AZ, CA, OR (Albertson College of Idaho Collection)

CO (Collected by author – Red Feather Lakes, CO – May 2005)

7. Principal hosts (include citations):

Pinus ponderosa, *P. jeffreyi*, *P. lambertiana* (Furniss and Carolin 1977)

8. Cite references containing previous use of the proposed common name:

none

9. Cite references using English common names (provide names) other than that proposed:

Flatheaded pine borer (Furniss and Carolin 1977). However this common name is considered too vague because there are many “flatheaded pine borers.” For example “flatheaded pine borer” is used for the European species - *Chalcophora mariana* (L.) (Kolk and Starzuk 1996).

9b. References using common names in a non-English language (give the common name in the non-English language and give the direct translation to English, if possible)

None

10. Other insects or organisms to which the proposed common name might apply (give scientific name and include citations, if possible):

Several closely related species also attack pines in the western USA. These include:

Buprestis aurulenta – ESA approved common name is “golden buprestid.”
Melanophila californica – ESA approved common name is “California flatheaded borer.”
Melanophila pini-edulis – Refereed to in Furniss and Carolin as “flatheaded pinyon borer.”

Two of these insects already have approved ESA common names. The other is host specific to pinyon pines.

10 b. List references cited in questions 6-10:

Buprestidae (Metallic Wood Boring Beetles) in the Albertson College of Idaho Collection
<http://www.albertson.edu/campus/community/museum/entomology/beetle14.htm>

Furniss, R.L. and V.M. Carolin, 1977. Western forest insects. USDA Forest Service, Miscellaneous Publication 1339, 654 pp.

ICZN 1996. Opinion 1826. *Melanophila* Eschscholtz, 1829 and *Phaenops* Dejean, 1833 (Insecta, Coleoptera): conserved by the designation of *Buprestis acuminata* De Geer, 1774 as the type species of *Melanophila*. Bulletin of Zoological Nomenclature 53(1):60-61.

Kolk A. and J.R.. Starzyk 1996 The Atlas of Forest Insect Pests (Atlas szkodliwych owadów lesnych) - Multico Warszawa, 705 pages. Original publication in Polish. English

translation provided by Dr. Lidia Sukovata and others under agreement with The Polish Forest Research Institute.

OTHER LITERATURE USED but no citations applicable:

Baker, W.L. 1972. Eastern forest Insects. USDA Forest Service, Miscellaneous Publication 1175, 642 pp.

Johnson, W.T., and H.H. Lyon. 1991. Insects that feed on trees and shrubs. Cornell University Press, Ithaca, NY. 482 pp.

Solomon, J.D. 1995. Guide to insect borers of North American trees and shrubs. Agriculture Handbook 706. United States Department of Agriculture, Forest service: Washington, DC. 735 pp.

W. Cranshaw, D. Leatherman, B. Jacobi, and L. Manni.. 2000. Insects and Diseases of Woody Plants in the Central Rockies. Colorado State University Bulletin no. 506A, Colorado State University, Fort Collins, CO. 300 pp.

11. Steps you have taken to consult with other workers who are familiar with the insect or organism as to suitability of and need for the proposed common name:

A number of forest entomologists in the U.S. were contacted and asked to provide review comments to this proposal.

Rick Westcott, Oregon Department of Agriculture
Boris Kondratieff, Colorado State University
Whitney Cranshaw, Colorado State University
Brytten Steed, Entomologist, USDA Forest Service, FHP, Region 4/1
Iral Ragenovich, Entomologist, USDA FS, FHP, Portland, OR
John McLean, Professor at the University of British Columbia, Vancouver Canada
Lee Humble, Research Entomologist, NRC Canadian Forest Service, Victoria BC, Canada
Lee Pederson, Entomologist, USDA FS, FHP, Coeur d'Alene, ID
Bobbe Fitzgibbon, Entomologist, USDA FS, FHP, Flagstaff, AZ

The membership of Western Forest Insect Work Conference was given announcement of 30 days for review; no negative comments were received.

11b. What type of literature searches/checks did you conduct (e.g. CABI, ESA and ESC web pages, USDA FS library, formal library search engine-list, etc.)

Search on ESA Common Names site
(http://www.entsoc.org/Pubs/Books/Common_Names/search.asp) to determine if this species had a common name, if the common name belonged to another species.

green flatheaded pine borer
1021-10-06

Phaenops gentilis (LeConte)

1/14/2008

Review of the ESC Common Names publication (pdf at http://www.esc-sec.org/common_names_2006.pdf) to determine if this species had a common name in either English or French, or if the English common name proposed belonged to another species.

Search of British Museum of Natural History website (<http://www.nhm.ac.uk/nature-online/biodiversity/nature-navigator/>)

Review of Russian common names translated into English (Yusha et al. 1985) found at http://www.fs.fed.us/pnw/pubs/pnw_gtr183.pdf

Search in ITIS (Integrated Taxonomic Information System)
<http://www.itis.gov/index.html>

EPPO (European Plant Protection Organization) database (<http://www.eppo.org>)

AGRICOLA (<http://agricola.nal.usda.gov/>)

Search of www using the Google search engine

List of citations in #10

12. Proposed by: Western Forest Insect Work Conference group (WFIWC), Common Names Committee co-Chairs – Brytten Steed and William Ciesla

Proposal prepared and submitted to the WFIWC CNC by William M. Ciesla,
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