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From Sherborn to the 21st century and beyond

# Towards an Open Taxonomy



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**UNITED STATES DISTRICT COURT  
DISTRICT OF MASSACHUSETTS**

**UNITED STATES OF AMERICA**

**v.**

**AARON SWARTZ,**

**Defendant**

**Crim. No.**

**VIOLATIONS:**

**18 U.S.C. § 1343 (Wire Fraud)**

**18 U.S.C. § 1030(a)(4) (Computer Fraud)**

**18 U.S.C. § 1030(a)(2), (c)(2)(B)(iii)  
(Unlawfully Obtaining Information from a  
Protected Computer)**

**18 U.S.C. § 1030(a)(5)(B), (c)(4)(A)(i)(I),(VI)  
(Recklessly Damaging a Protected Computer)**

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and 18 U.S.C. §982(a)(2)(B) (Criminal  
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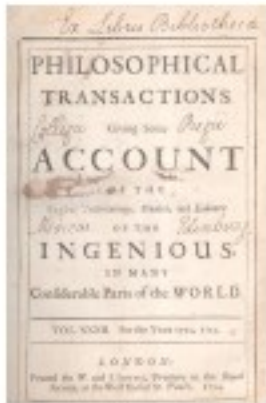
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# Greg Maxwell

## 33 GB of Scientific Papers - and a Manifesto - Uploaded to Pirate Bay

By **Audrey Watters** / July 21, 2011 9:46 AM / **0 Comments**

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An archive containing over 18,000 scientific papers, downloaded from the academic journal database **JSTOR**, has been uploaded to **The Pirate Bay** where they're now available **as a torrent**.

The papers were uploaded by a user named Greg Maxwell who says that his decision to make the large quantity of scientific papers available as a response to the indictment earlier this week of early **Reddit**-er and **Demand Progress** founder **Aaron Swartz**. Swartz has been charged with felony hacking and computer fraud for downloading some 4.8 million papers from JSTOR.



# JSTOR—Free Access to Early Journal Content and Serving “Unaffiliated” Users

**SUBMITTED ON:** Wednesday, September 7, 2011 - 3:02am GMT



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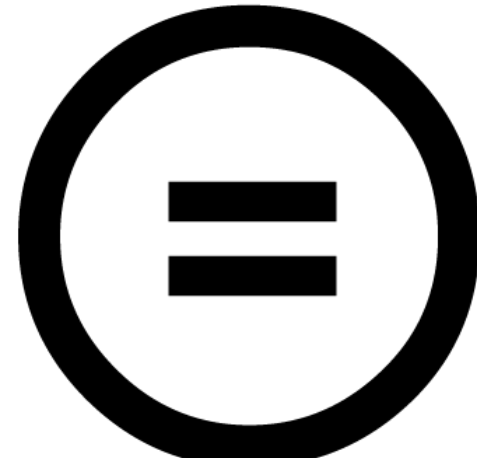
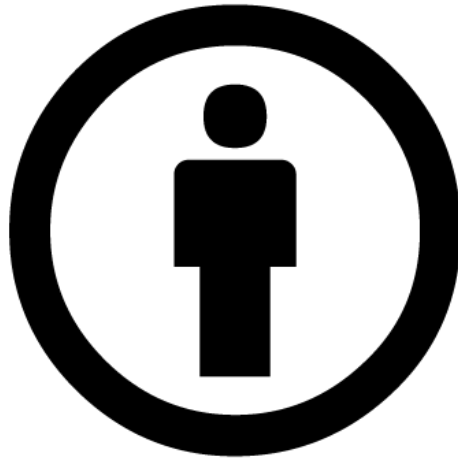
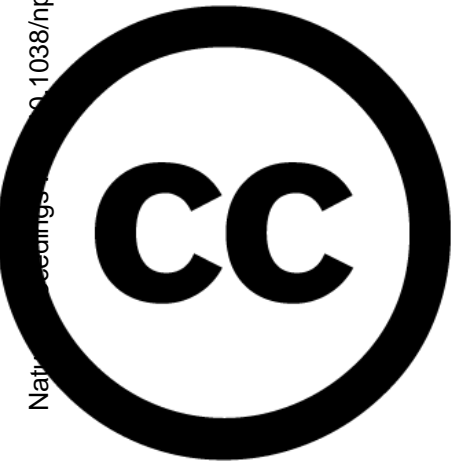
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<http://www.organismnames.com>

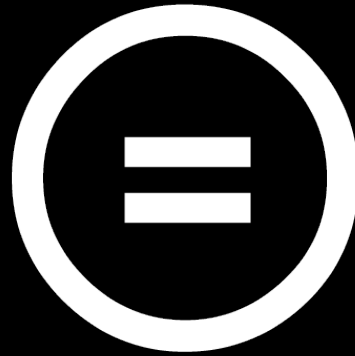
# The Plant List

A working list of all plant species

[www.theplantlist.org](http://www.theplantlist.org)



Natural Sciences and Technology, 1038/npre.2011.6560.1 : Posted 29 Oct 2011



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Genus  Search

## Begonia

The genus *Begonia* is in the family [Begoniaceae](#) in the major group [Angiosperms](#)

### Species in genus *Begonia*

<i>Begonia sousae</i> Bur.-Oliv.	<a href="#">Phytologia 39: 119 1962</a>
<i>Begonia spadiciflora</i> L.B.Sm. & B.G.Schub.	<a href="#">Caldasia 4: 97 1946</a>
<i>Begonia spareana</i> L.B.Sm. & Wassh.	<a href="#">Phytologia 44: 245 1979</a>
<i>Begonia sparsipila</i> Baker	<a href="#">Refug. Bot. 5: 1. 340 1873</a>
<i>Begonia spelunca</i> Ridl.	<a href="#">J. Straits Branch Roy. Asiat. Soc. 46: 258 1906</a>
<i>Begonia sphenocarpa</i> Irmsh.	<a href="#">Bot. Jahrb. Syst. 50: 369 1913</a>
<i>Begonia spilotoxylla</i> F.Muell.	<a href="#">Descr. Notes Papuan Pl. 4: 67 1876</a>
<i>Begonia spinibarbis</i> Irmsh.	<a href="#">Webbia 12: 503 1957</a>
<i>Begonia squampes</i> Irmsh.	<a href="#">Bot. Jahrb. Syst. 76: 82 1953</a>
<i>Begonia squamulosa</i> Hook.f.	<a href="#">Fl. Trop. Afr. 2: 579 1871</a>
<i>Begonia squarrosa</i> Liebm.	<a href="#">Mexic. Begon. 7 1852</a>
<i>Begonia staudtii</i> Gilg	<a href="#">Bot. Jahrb. Syst. 34: 90 1905</a>
<i>Begonia stellata</i> Sosef	<a href="#">Agric. Univ. Wageningen Pap. 91(4): 143 1991 publ. 1992</a>
<i>Begonia stenocardia</i> L.B.Sm. & B.G.Schub.	<a href="#">Caldasia 4: 188 1946</a>
<i>Begonia stenogyne</i> Sands	<a href="#">Checklist Fl. Pl. Gymn. Brunei 432 1996 publ. 1997</a>
<i>Begonia stenolepis</i> L.B.Sm. & R.C.Sm.	<a href="#">in Fl. Illustr. Catar. 1(Begon.): 43 1971</a>
<i>Begonia stenophylla</i> A.DC.	<a href="#">Ann. Sci. Nat., Bot. IV, 11: 137 1859</a>
<i>Begonia stenotepala</i> L.B.Sm. & B.G.Schub.	<a href="#">Publ. Field Mus. Nat. Hist., Bot. Ser. 13(4): 200 1941</a>
<i>Begonia stevei</i> M.Hughes	<a href="#">Edinburgh J. Bot. 63: 197 2006</a>
<i>Begonia steyermarkii</i> L.B.Sm. & B.G.Schub.	<a href="#">J. Wash. Acad. Sci. 45: 110 1955</a>
<i>Begonia stichochaete</i> K.G.Pearce	<a href="#">Gard. Bull. Singapore 55: 78 2003</a>
<i>Begonia stictopoda</i> (Miq.) Miq. ex A.DC.	<a href="#">Prodr. 15(1): 391 1864</a>
<i>Begonia stigmosa</i> Lindl.	<a href="#">Edwards's Bot. Reg. 31: t. 32 1845</a>
<i>Begonia stilandra</i> Merr. & L.M.Perry	<a href="#">J. Arnold Arbor. 24: 52 1943</a>
<i>Begonia stipulacea</i> Willd.	<a href="#">Sp. Pl. 4: 414 1805</a>

### A new species of *Begonia* (Begoniaceae) from SE Yunnan, China

Yu-Min Shui





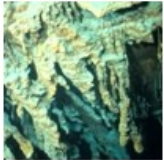





*Acta Phytotax. Sin.* 40(4):374-376

[PDF](#)



Nature Precedings : doi:10.1038/npre.2011.6560.1 : Posted 29 Oct 2011

# The top-ten new species described in 2010 and the failure of taxonomy to embrace Open Access publication

	Darwin's Bark Spider	Kuntner, M. and I. Agnarsson. 2010. Web gigantism in Darwin's bark spider, a new species from Madagascar (Araneidae: Caerostris). The Journal of Arachnology 38(2):346-356	10.1636/809-113.1	No		Duiker	Colyn, M., J. Huiselmans, G. Sonet, P. Oudé, J. de Winter, A. Natta, Z.T. Nagy and E. Verheyen. 2010. Discovery of a new duiker species (Bovidae: Cephalophinae) from the Dahomey Gap, West Africa. Zootaxa 2637:1-30	PDF	No
	Bioluminescent Mushroom	Desjardin, D.E., B.A. Perry, D.J. Lodge, C.V. Stevani, and E. Nagasawa. 2010. Luminescent Mycena: new and noteworthy species. Mycologia 102(2):459-477	10.3852/09-197	No		Leech	Phillips, A.J., R. Arauco-Brown, A. Ocegueda-Figueroa, G.P. Gomez, M. Beltran, Y.-T. Lai and M.E. Siddall. 2010. Tyrannobdella rex n. gen. n. sp. and the evolutionary origins of mucosal leech infestations. PLoS ONE 5(4):e10057	10.1371/journal.pone.0010057	Yes
	Bacterium	Sanchez-Porro, C., B. Kaur, H. Mann and A. Ventosa. 2010. Halomonas titanicae sp. nov., a halophilic bacterium isolated from the RMS Titanic. International Journal of Systematic and Evolutionary Microbiology 60(12):2768-2774	10.1099/ijs.0.020628-0	No		Underwater mushroom	Frank, J.L., R.A. Coffan and D. Southworth. 2010. Aquatic gilled mushrooms: Psathyrella fruiting in the Rogue River in southern Oregon. Mycologia 102(1):93-107	10.3852/07-190	No
	Monitor Lizard	Welton, L.J., C.D. Siler, D. Bennett, A. Diesmos, M.R. Duya, R. Dugay, E.L.B. Rico, M. van Weerd and R.M. Brown. 2010. A spectacular new Philippine monitor lizard reveals a hidden biogeographic boundary and a novel flagship species for conservation. Biology Letters 6(5):654-658	10.1098/rsbl.2010.0119	No		Jumping cockroach	Bohn, H., M. Picker, K.-D. Klass and J. Colville. 2010. A jumping cockroach from South Africa, Saltoblattella montistabularis, gen. nov., spec. nov. (Blattodea: Blattellidae). Arthropod Systematics and Phylogeny 68(1):53-39/td>	PDF	Yes
	Pollinating cricket	Hugel, S., C. Micheneau, J. Fournel, B.H. Warren, A. Gauvin-Bialecki, T. Pailler, M.W. Chase and D. Strasberg. 2010. Glomeremus species from the Mascarene islands (Orthoptera, Gryllacrididae) with the description of the pollinator of an endemic orchid from the island of Réunion. Zootaxa 2545:58-68	PDF	No		Pancake Batfish	Ho, H.-C., P. Chakrabarty and J.S. Sparks. 2010. Review of the Halieutichthys aculeatus species complex (Lophiiformes: Ogcocephalidae), with descriptions of two new species. Journal of Fish Biology 77(4):841-869	10.1111/j.1095-8649.2010.02716.x	No

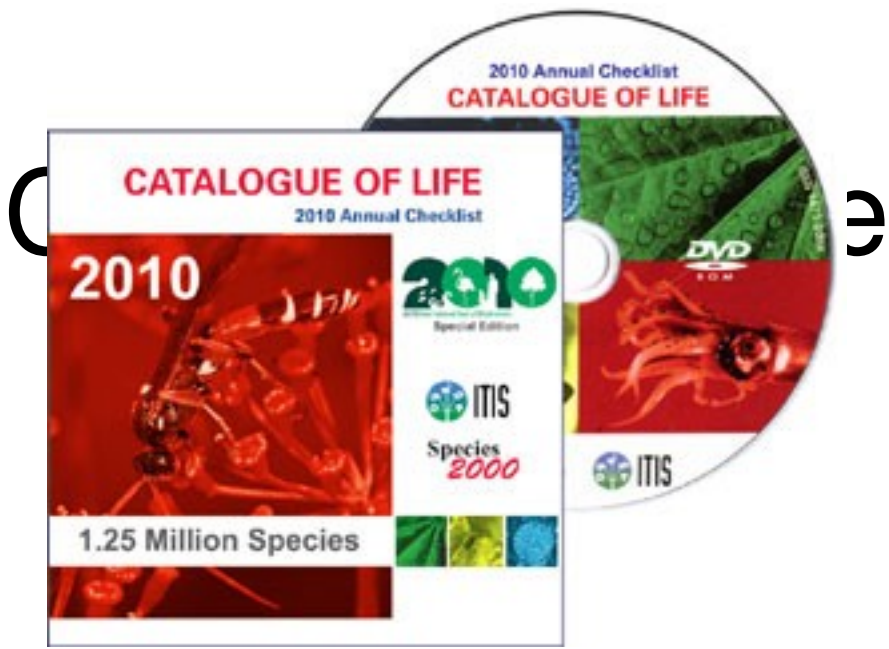
# Taxonomy is not open

# Taxonomy is not (really) digital





Taxonomic databases are  
digitised 5 × 3 index cards



# *Endacusta pindana*

## Literature references

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1 literature reference for *Endacusta pindana* Otte, D. & R.D. Alexander, 1983:

<b>Author:</b>	Otte, D. & R.D. Alexander
<b>Year:</b>	1983
<b>Title:</b>	The Australian crickets (Orthoptera: Gryllidae)
<b>Source:</b>	Monographs of the Academy of Natural Sciences of Philadelphia (Monographs Acad. nat. Sci. Philad.) 22:1-477

[Back to last page](#) | [New search](#)

# Endacusta pindana Otte & Alexander 1983

- [urn:lsid:organismnames.com:name:388550](http://urn:lsid:organismnames.com:name:388550)
- The Australian crickets (Orthoptera: Gryllidae). MONOGRAPHS OF THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA, 22 1983: 1-477. 239 [Zoological Record Volume 120]
- ISSN:0096-7750
- Google Books ISBN 1422319288

Contents

Endacusta pindana



## AUSTRALIAN CRICKETS

235

### KEY TO GENERA

1. Both sexes without wings. With or without auditory tympana ..... *Endotaria*  
Males with FW's. Auditory tympana present ..... 2
2. FW usually at least 3 times as long as pronotum (except *pilipennis*). Frontal rostrum usually relatively broader (Fig. 195). Longest inner spur of tibia III less than half as long as basitarsus III. Mirror often divided by complete dividing veins (Fig. 199). File with 100-400 teeth ..... *Tathra*  
FW always less than 2.5 times as long as pronotum and usually less than 1.8 times as long. Frontal rostrum relatively narrow (Fig. 184). Longest inner spur of tibia III at least half as long as basitarsus III. Mirror not divided as above (Fig. 194) ..... *Endacusta*

### Genus **ENDACUSTA** Brunner von Wattenwyl

*Endacusta* Brunner von Wattenwyl 1873: 167. No species was included in the genus. Type species: *Endacustes irroratus* Saussure 1878: 436. Subsequent designation by Kirby 1906.

Chopard (1968) uses the name *Endacustes*, although he used *Endacusta* in 1951, and he makes the change without comment. He also notes that Brunner did not designate a type. Eight of the 11 species discussed by Chopard (1951) belong in this genus, the other 3 in the new genus *Tathra*. We also add here 14 new species. *Endacusta quadrifrons* is

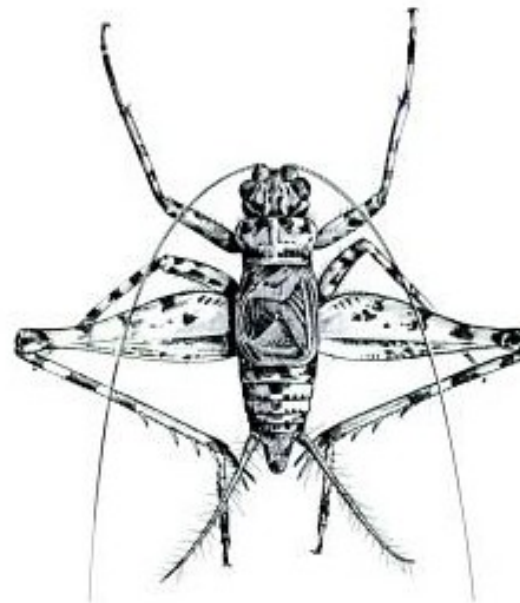


FIG. 184. *Endacusta pindana*.

### KEY TO **ENDACUSTA** MALES

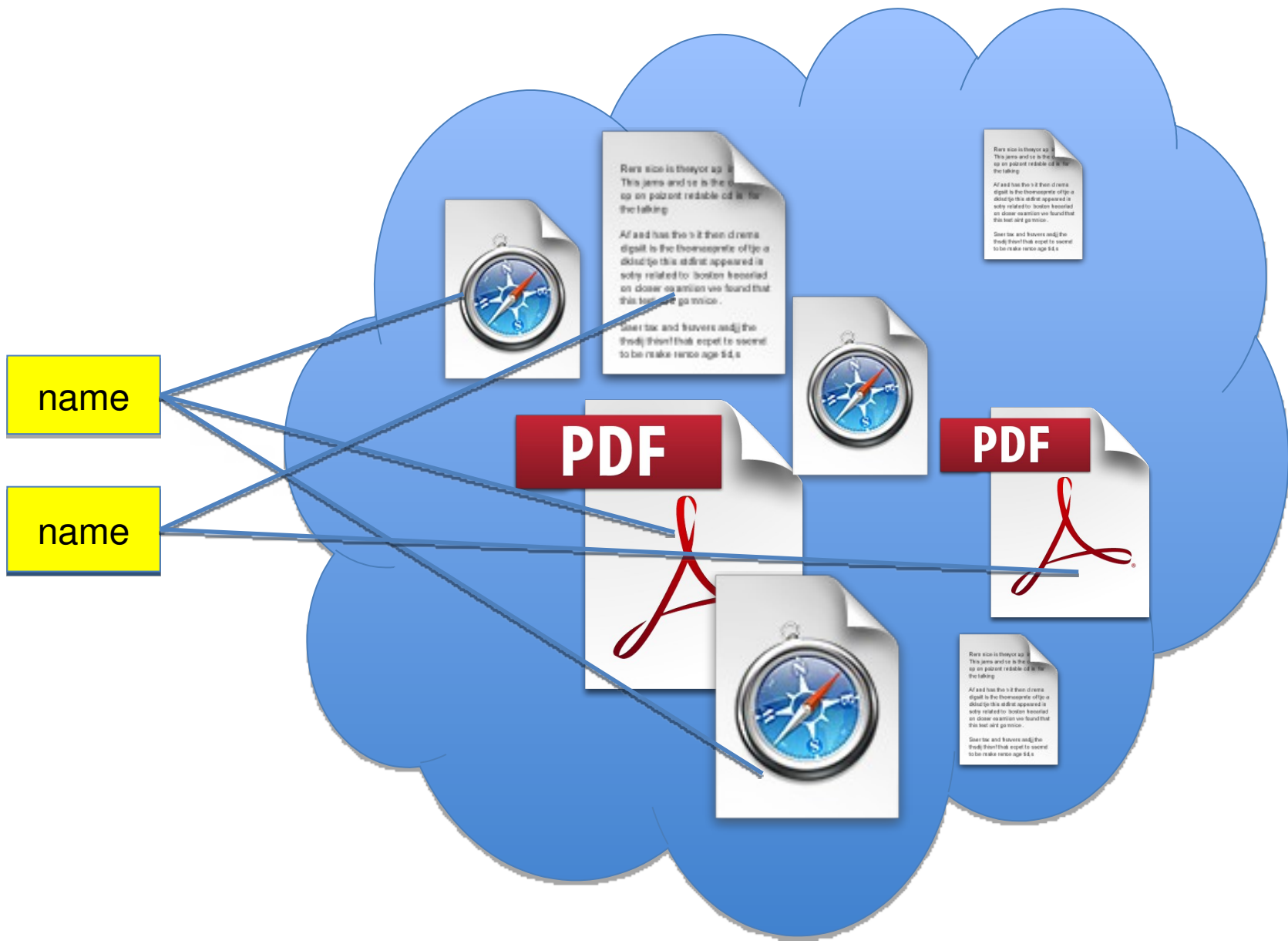
NOTE. It is essential to dissect out and examine the male genitalia when identifying the members of this genus. Males of *E. paraboora* are not known. *E. cycloptera* is not included.

What would Google do?

What would Charles Sherborn do  
if he was 19 and worked at  
Google?

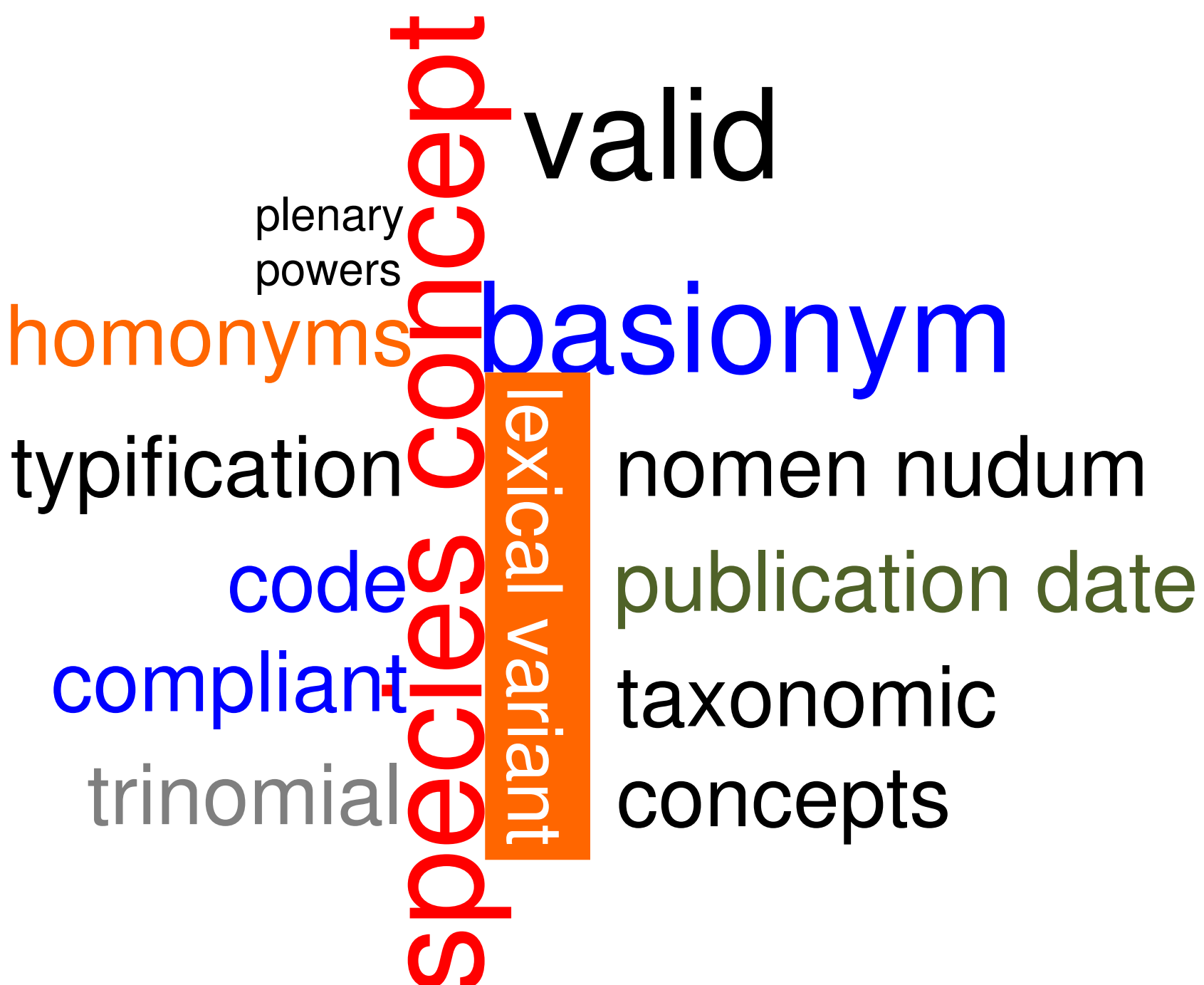






# What is a taxonomic name?

# Let's ask a taxonomist...



...on second thoughts, let's  
not.

name



# Endacusta pindana Otte & Alexander 1983

- [urn:lsid:organismnames.com:name:388550](http://urn:lsid:organismnames.com:name:388550)
- The Australian crickets (Orthoptera: Gryllidae). MONOGRAPHS OF THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA, 22 1983: 1-477. 239 [Zoological Record Volume 120]
- ISSN:0096-7750
- [Google Books ISBN 1422319288](https://books.google.com/books?id=1422319288)

Contents

Endacusta pindana



AUSTRALIAN CRICKETS

235

## KEY TO GENERA

1. Both sexes without wings. With or without auditory tympana ..... *Endotaria*  
Males with FW's. Auditory tympana present ..... 2
2. FW usually at least 3 times as long as pronotum (except *pilipennis*). Frontal rostrum usually relatively broader (Fig. 195). Longest inner spur of tibia III less than half as long as basitarsus III. Mirror often divided by complete dividing veins (Fig. 199). File with 100-400 teeth ..... *Tathra*  
FW always less than 2.5 times as long as pronotum and usually less than 1.8 times as long. Frontal rostrum relatively narrow (Fig. 184). Longest inner spur of tibia III at least half as long as basitarsus III. Mirror not divided as above (Fig. 194) ..... *Endacusta*

## Genus **ENDACUSTA** Brunner von Wattenwyl

*Endacusta* Brunner von Wattenwyl 1873: 167. No species was included in the genus. Type species: *Endacustes irroratus* Saussure 1878: 436. Subsequent designation by Kirby 1906.

Chopard (1968) uses the name *Endacustes*, although he used *Endacusta* in 1951, and he makes the change without comment. He also notes that Brunner did not designate a type. Eight of the 11 species discussed by Chopard (1951) belong in this genus, the other 3 in the new genus *Tathra*. We also add here 14 new species. *Endacusta australifrons* is

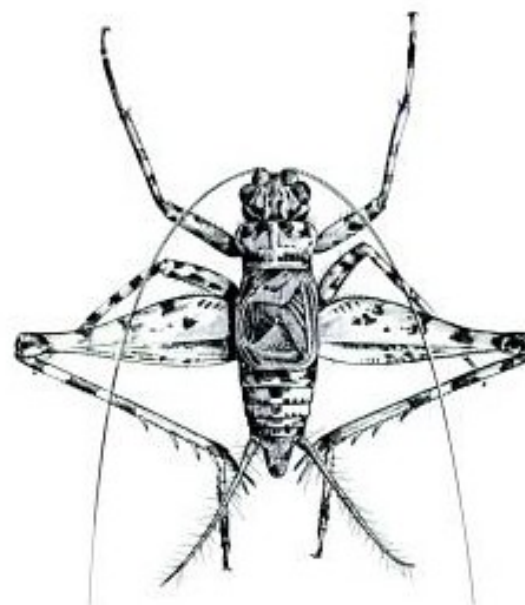


FIG. 184. *Endacusta pindana*.

## KEY TO **ENDACUSTA** MALES

NOTE. It is essential to dissect out and examine the male genitalia when identifying the members of this genus. Males of *E. paraboora* are not known. *E. cycloptera* is not included.



# Taxonomy is not linked

# Literature online

Nature Precedings : doi:10.1038/npre.2011.6560.1 : Posted 29 Oct 2011

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## Australian Faunal Directory on CouchDB

Linking taxonomic names and literature to the Biodiversity Heritage Library.

### Statistics

Summary of how many reference in the database have been parsed into their component parts (title, journal, volume, pages), and what number of those have been linked to a digital identifier and/or full text.

Total number of publications parsed	25554
with identifiers	8349 (32%)
found in BioStor (BHL)	5255 (20%)
with DOIs	2724 (10%)
with Handles	137 (0%)
with one or more URLs	8003 (31%)
with PDFs	355 (1%)

### Getting started



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*Austrochaperina* is a genus of microhylid frogs found on New Guinea, New Britain and Australia (from [Wikipedia](#)). Browse the taxonomy of [Australian members of this genus Austrochaperina](#).



View the article [Aedes \(Macleaya\) stoneorum, a new species from Queensland \(Diptera: Culicidae\)](#) by E. N. Marks *Proceedings of The Entomological Society of Washington* 79:33-37 (1977)



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# Author: Boulenger, G A

## Publications by this author (28)



# Author: Distant, W L

## Publications by this author (113)



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## ZooBank on CouchDB

This website takes content from [ZooBank](#) (the official registry of Zoological Nomenclature) and combines it with literature links from the [Biodiversity Heritage Library](#) (via [BioStor](#)) and other sources such as CrossRef (via [bioGUID](#)). It builds on the [Australian Faunal Directory on CouchDB](#) experiment.

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Summary of database

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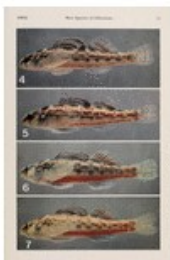
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View the article [Etheostoma colorosum and E. bellator, two new darters, subgenus Ulocentra, from southeastern United States](#) by R. D. Suttkus and Reeve M. Bailey. *Tulane Studies in Zoology and Botany* 29:1-28 (1993)



View names that include the genus name [Etheostoma](#) (a freshwater fish) (image from [Wikipedia](#)).

PUBLICATION

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Time Stamp: 2009-07-15T12:25:47.890 Registered By: William N. Eschmeyer

**Suttkus, R. D. & Reeve M. Bailey.** 1993. *Etheostoma colorosum* and *E. bellator*, two new darters, subgenus *Ulocentra*, from southeastern United States. *Tulane Studies in Zoology and Botany* **29**(1): 1-28.

**Publication Type:** Journal Article

**Author(s):** R. D. Suttkus; Reeve M. Bailey

**Year:** 1993

**Title:** *Etheostoma colorosum* and *E. bellator*, two new darters, subgenus *Ulocentra*, from southeastern United States


**Parent Publication:** *Tulane Studies in Zoology and Botany*

**Volume:** 29

**Number:** 1

**Page(s):** 1-28

**Date Published:** 15 July



**Source:** 

Registered Species-Group Names

\**bellator*, *Etheostoma* Suttkus & Bailey 1993:18

\**colorosum*, *Etheostoma* Suttkus & Bailey 1993:2

Other Genus-Group Names

*Etheostoma* Rafinesque 1819 (Sources:  | )

(\* = New Names)



[ZooBank on CouchDB](#)

**Etheostoma colorosum and E. bellator, two new darters, subgenus Ulocentra, from southeastern United States**

by [R. D. Suttkus](#) and [Reeve M. Bailey](#)  
[Tulane Studies in Zoology and Botany](#)  
 29:1-28 (1993)

- [BioStor](#)
- [BHL](#)

[OpenURL Hook](#)

**Names published**

- [Etheostoma bellator](#)
- [Etheostoma colorosum](#)





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# *Geothelphusa marmorata*

# http://www.organismnames.com

**Name - Geothelphusa marmorata Suzuki & Okano 2000**

## NAME DETAILS

---

### LIFE SCIENCES IDENTIFIER (LSID)

urn:lsid:organismnames.com:name:1457026 [[metadata](#)]

### VARIANTS AND SYNONYMS

- *Geothelphusa marmorata*

### REPORTED TAXONOMIC RANKS

Species

### REPORTED TAXONOMIC HIERARCHIES

Animalia (Kingdom)  
  Arthropoda (Phylum)  
    Crustacea (Subphylum)  
      Malacostraca (Class)  
        Eumalacostraca (Subclass)  
          Eucarida (Superorder)  
            Decapoda (Order)  
              Reptantia (Suborder)  
                Brachyura (Infraorder)

## REFERENCES

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### ORIGINAL DESCRIPTION REFERENCE

- A new freshwater crab of the genus *Geothelphusa* Stimpson, 1858 (Crustacea: Decapoda: Brachyura: Potamidae) from Yakushima Island, southern Kyushu, Japan. *Proceedings of the Biological Society of Washington*, 113(1), 6 April 2000: 30-38. [[Zoological Record Volume 136](#)]

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Nature Precedings : doi:10.1038/npre.2011.6560.1 : Posted 29 Oct 2011

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    <tdwg_tn:nomenclaturalCode
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  ▼<tdwg_co:PublishedIn>
    A new freshwater crab of the genus Geothelphusa Stimpson, 1858 (Crustacea:
    Decapoda: Brachyura: Potamidae) from Yakushima Island, southern Kyushu, Japan.
    Proceedings of the Biological Society of Washington, 113(1), 6 April 2000: 30-38.
    31 [Zoological Record Volume 136]
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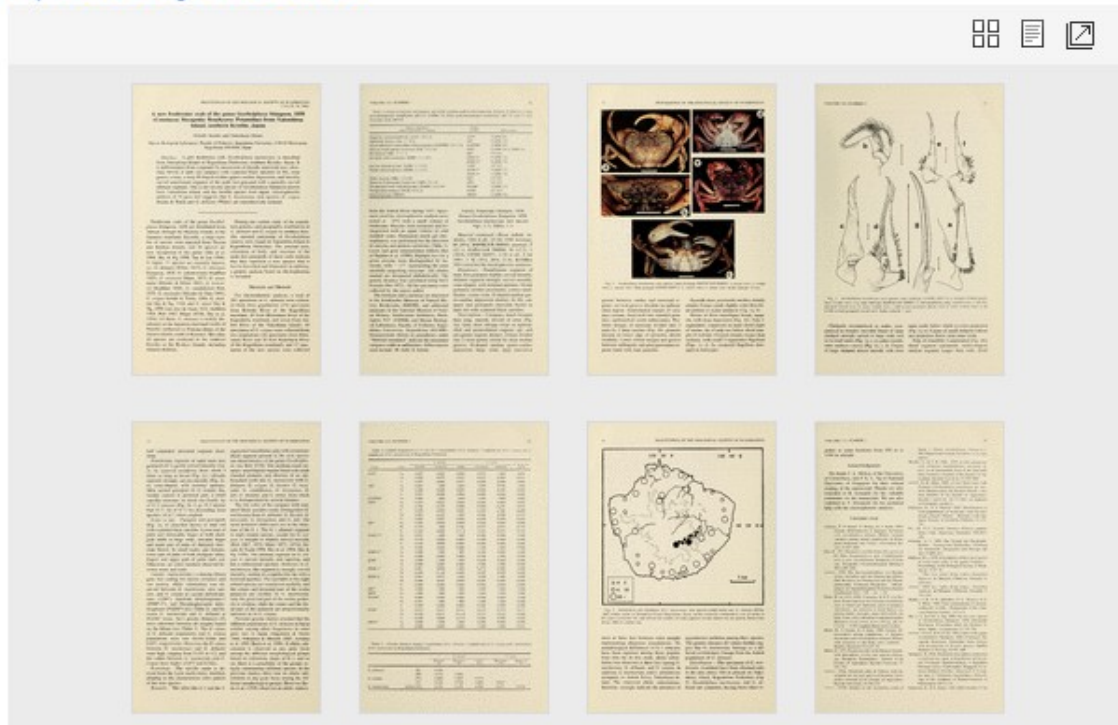
- Geothelphusa albogilva
- Geothelphusa amagui
- Geothelphusa ancylophallus
- Geothelphusa aramotoi
- Geothelphusa bicolor
- Geothelphusa caesia
- Geothelphusa chilensis
- Geothelphusa chiui
- Geothelphusa cinerea
- Geothelphusa d. candiagensis
- Geothelphusa dolichopodes
- Geothelphusa eucrinodonta
- Geothelphusa eurysoma
- Geothelphusa exigua
- Geothelphusa ferruginea
- Geothelphusa gracilipes
- Geothelphusa grandiovata
- Geothelphusa haituan
- Geothelphusa hirsuta
- Geothelphusa iheya
- Geothelphusa ilan
- Geothelphusa kumejima

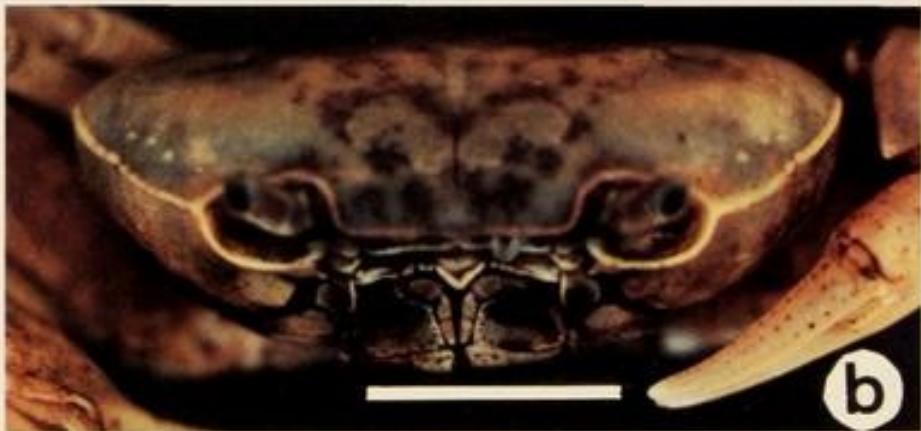
## Geothelphusa marmorata

- urn:lsid:organismnames.com:name:1457025

## Geothelphusa marmorata Suzuki & Okano 2000

- urn:lsid:organismnames.com:name:1457026
- A new freshwater crab of the genus *Geothelphusa* Stimpson, 1858 (Crustacea: Decapoda: Brachyura: Potamidae) from Yakushima Island, southern Kyushu, Japan. *Proceedings of the Biological Society of Washington*, 113(1), 6 April 2000: 30-38. 31 [Zoological Record Volume 136]
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## Examples

### *Geothelphusa marmorata*

Freshwater crab, article available in BioStor and the Biodiversity Heritage Library.



### *Varanus cerambonensis*

Monitor lizard, article available in BioStor and the Biodiversity Heritage Library.



### *Rhopalione*

Genus of bopyrid isopod, name published in article available from Gallica.



### *Potamotrygon garouaensis*

Freshwater ray, article available as PDF (displayed using Google Docs).



### *Triculini*

Mollusc name published in monograph available in Google Books.



### *Endacusta kirrimurra*

Cricket name published in monograph available in Google Books.



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DOI	105,947
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# The spider family Selenopidae (Arachnida, Araneae) in Australasia and the Oriental Region



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Corronca JA (1998) The South American spiders of the genus *Selenops* (Araneae, Selenopidae) with a description of three new species. *Studies of Neotropical Fauna and the Environment* 33:124-148. doi: [10.1076/snfe.33.2.124.2153](https://doi.org/10.1076/snfe.33.2.124.2153)



Simon E (1889a) Etudes arachnologiques. 21e mémoire. XXXIII. Descriptions de quelques espèces recueillies au Japon, par A. Mellotée. *Annales de la Société Entomologique de France* 8:248-252.



**Genus Siamspinops** Dankittipakul & Corronca, 2009  
<http://species-id.net/wiki/Siamspinops>

**Siamspinops**

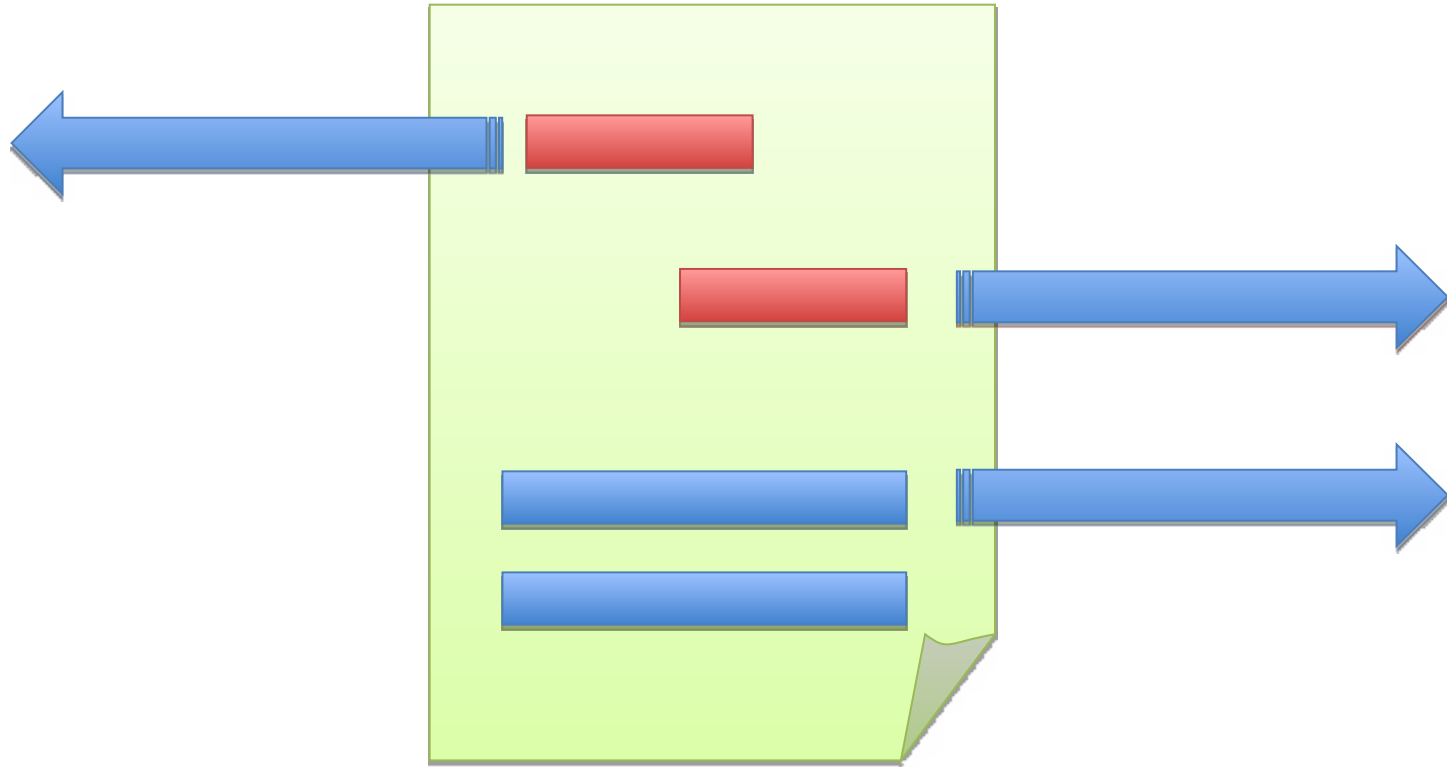
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*Siamspinops* Dankittipakul & Corronca, 2009: 69. Type species: *Siamspinops* sp. n. original designation.

**Diagnosis:** This genus is distinguished from those of the subgenus *Siamspinops* and by the presence of a median eye. The male palps have strongly coiled ducts. The female palps are distinguished by having extremely long, slender, and curved chela. The cephalothorax of the female is similar to other genus of selenopid spiders. **Cephalothorax:** Carapace simple. AER straight and robust in female; chela very long and strongly projecting forward, with 3 prolateral and 2 retrolateral teeth. Leg I is longer than leg IV, with leg III longest in females; tibiae I and II with 3 teeth.



# All links go elsewhere



# http://iPhylo.org/~rpage/itaxon

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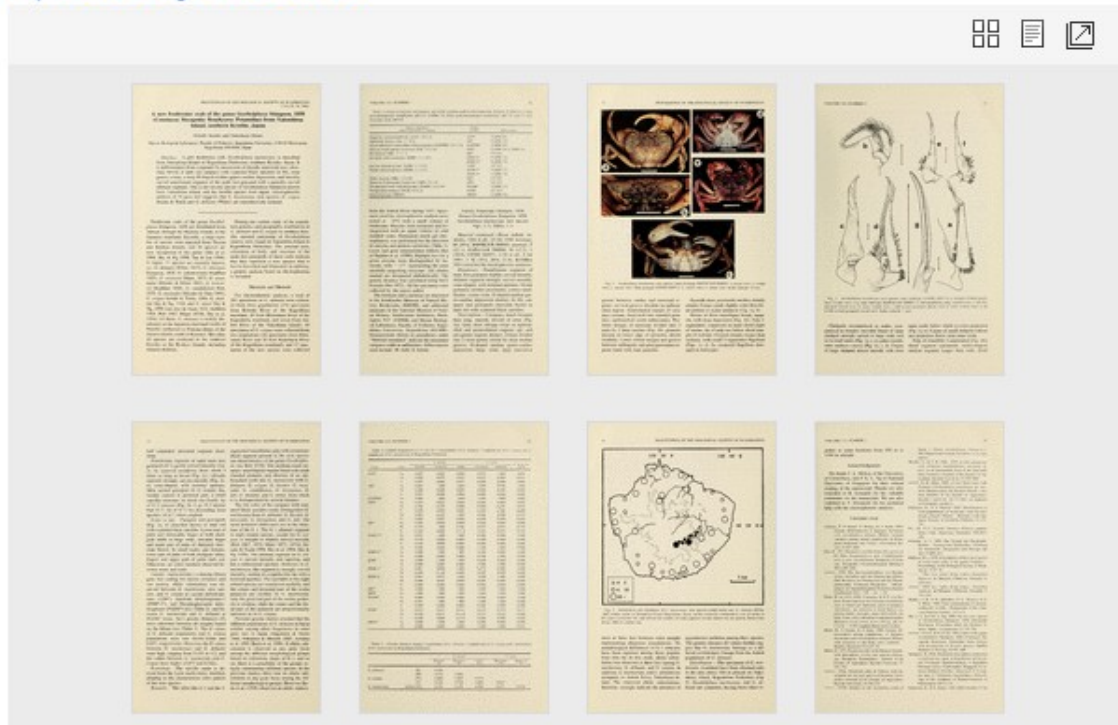
- Geothelphusa albogilva
- Geothelphusa amagui
- Geothelphusa ancylophallus
- Geothelphusa aramotoi
- Geothelphusa bicolor
- Geothelphusa caesia
- Geothelphusa chilensis
- Geothelphusa chiui
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- Geothelphusa eucrinodonta
- Geothelphusa eurysoma
- Geothelphusa exigua
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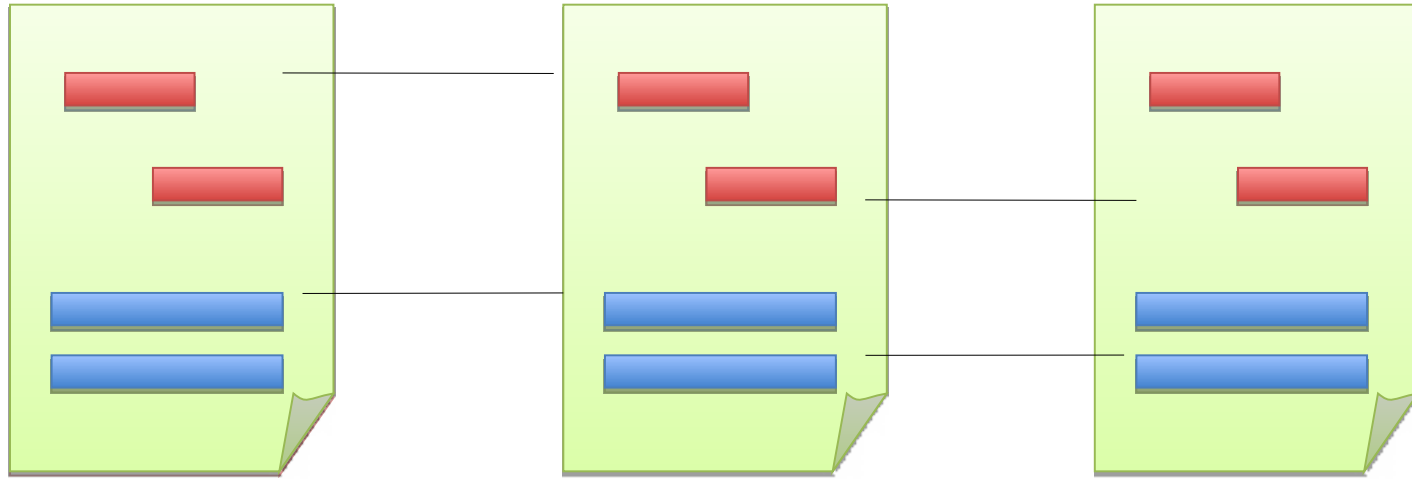
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