

# Une collection digitale



# Une collection digitale

- Pourquoi?
- Souvent une collection réelle et physique ne suffit pas
  - 1) Souvent collections très difficile à gérer (climat);
  - 2) Limité pour étude (envoyer: risque pour des dégâts);
  - 3) Impossible pour des études simultanées (spécialiste en CI, Belgique et USA);
  - 4) Des pertes (feu, fuites et autres);

# Une collection digitale

- Pourquoi ?
- 5) Etudes sur long distances,
  - 6) Descriptions et Publications futures,
- ....

# Une collection digitale

- Quoi ?
  - High definition resolution pictures !
  - Photos du spécimens: plusieurs vues
  - Photos des étiquettes: historique etc info en plus
  - Détails important pour ID

# Une collection digitale

-High definition resolution pictures !



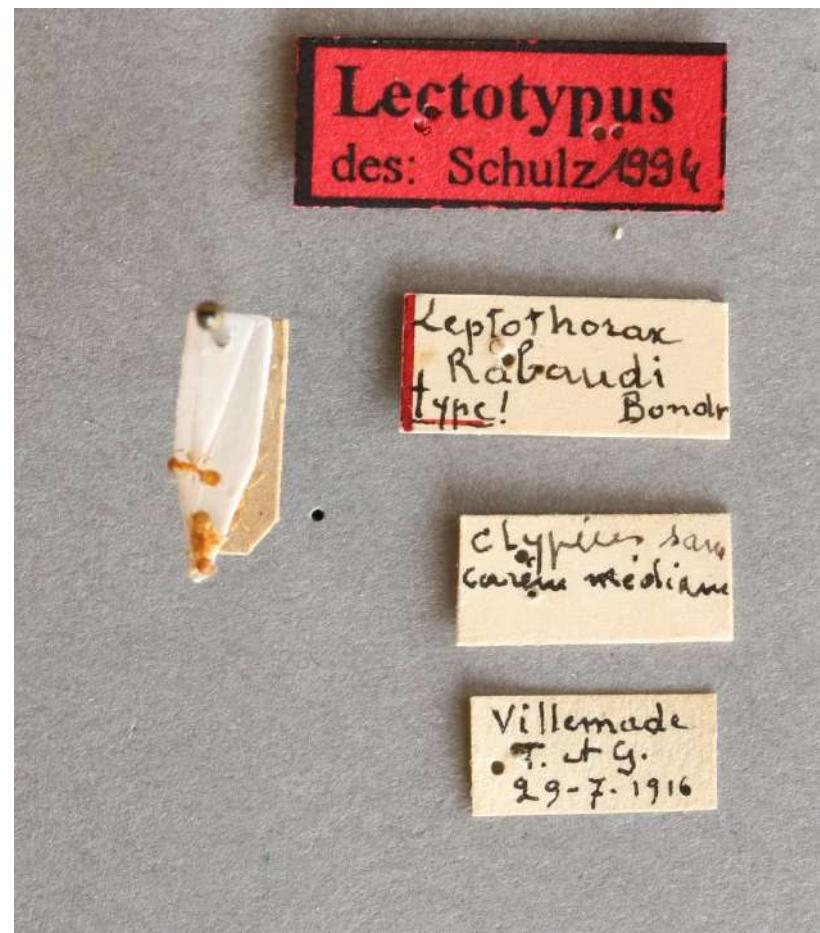
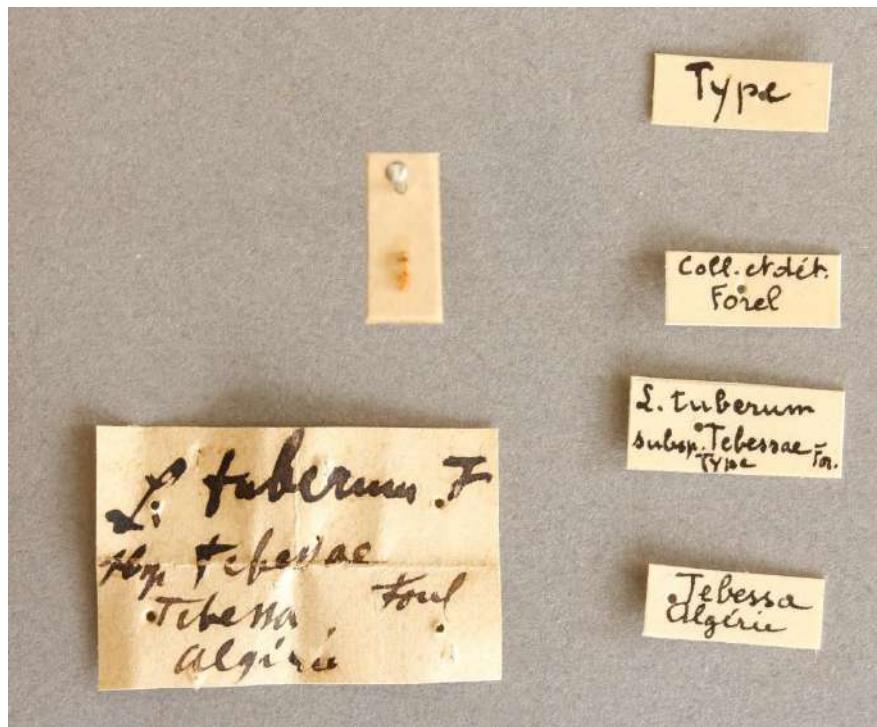
# Une collection digitale

- Photos du spécimens: plusieurs vues



# Une collection digitale

- Photos des étiquettes: historique etc info en plus



# Une collection digitale

- Spécimens bien étalées



# Une collection digitale

- Détails importants pour ID



# Une collection digitale

- Plusieurs problèmes, nécessités
  - Caméra et binoculaire bien équipé;
  - Spécimens bien étalées;
  - Programmes spécifiques pour la digitalisation;
  - PC/portable assez « lourd » on a vite beaucoup de bytes et des bytes et des bytes.

# Une collection digitale

Programmes spécifiques pour la digitalisation

- Stacking,
- Focus,
- Souvent free software ex. CombinzeZ,



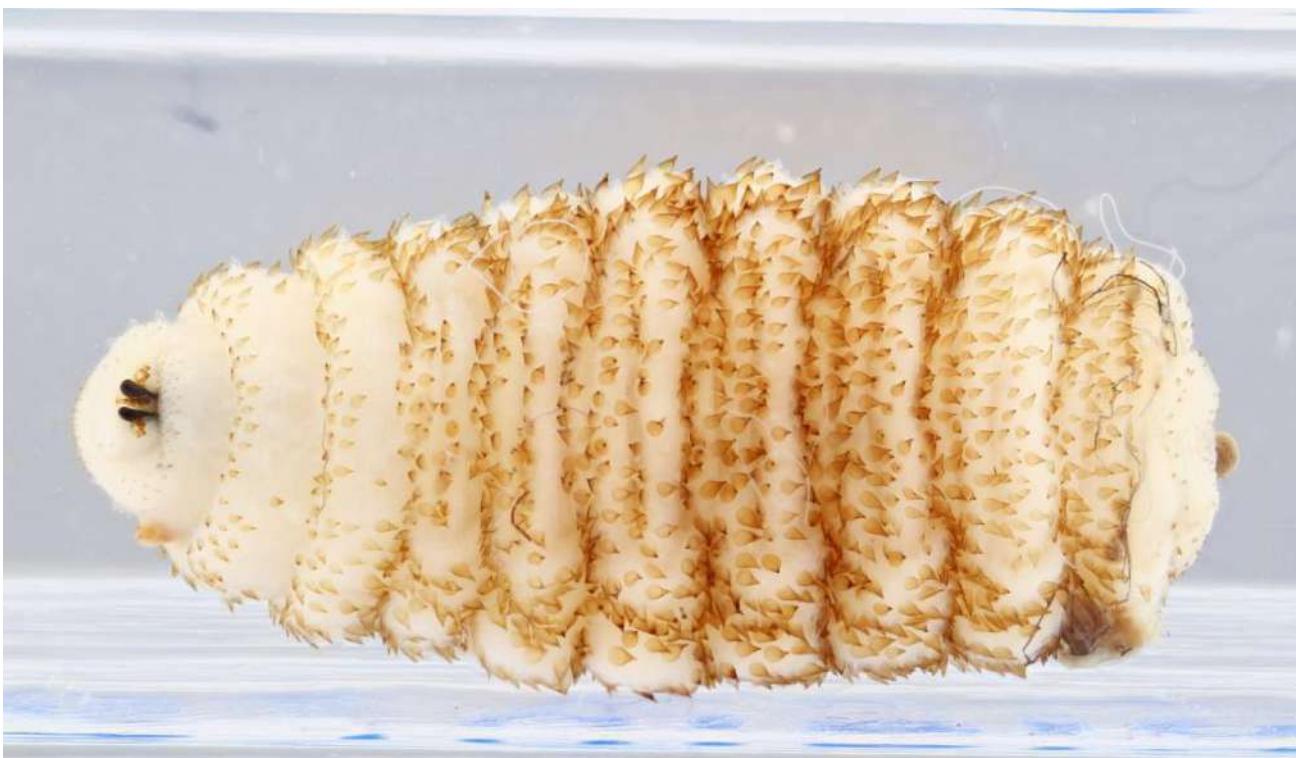
# Une collection digitale

- PC/portable assez « lourd » vite beaucoup de bytes et des bytes et des bytes.
- Une photo vers 3000-10.000 byte
- Plusieurs vues pour stacking : 50-150 photos pour un stacking

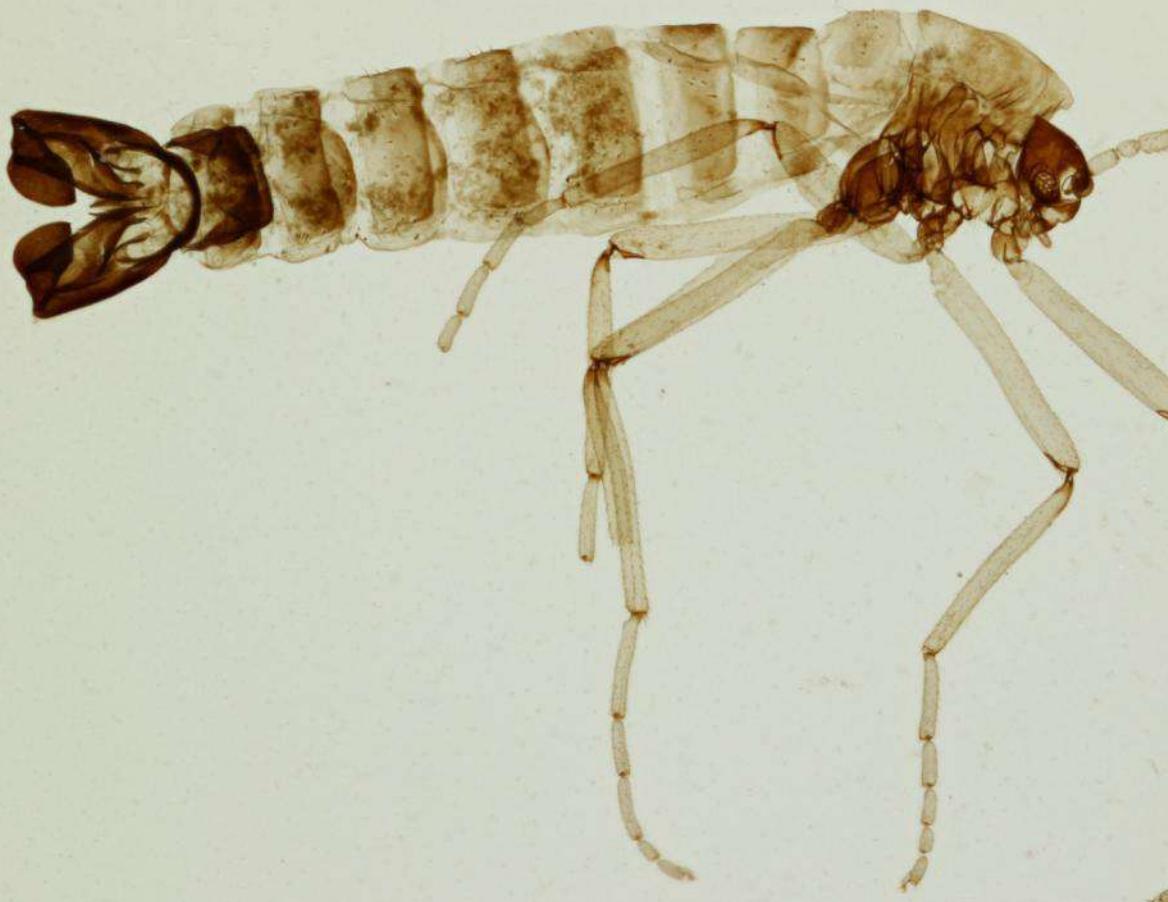
# Examples RBINS



# Examples RBINS



# Examples RBINS

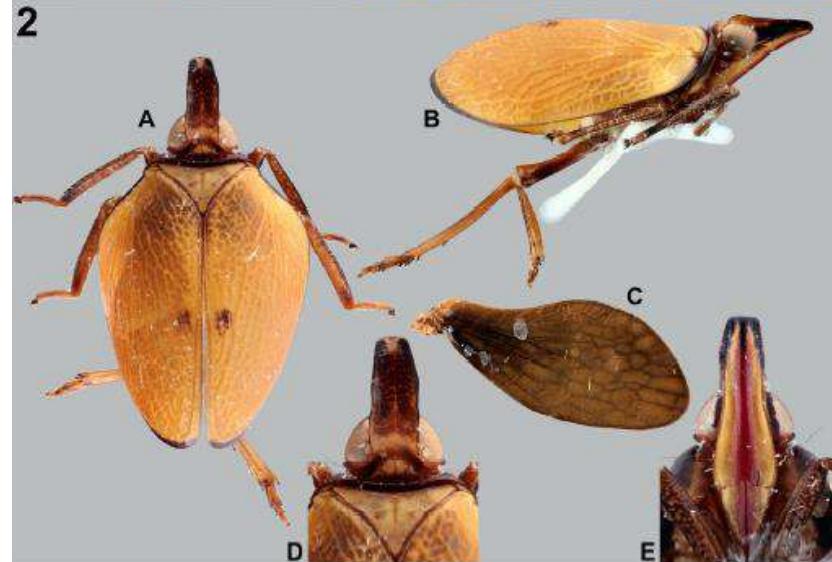
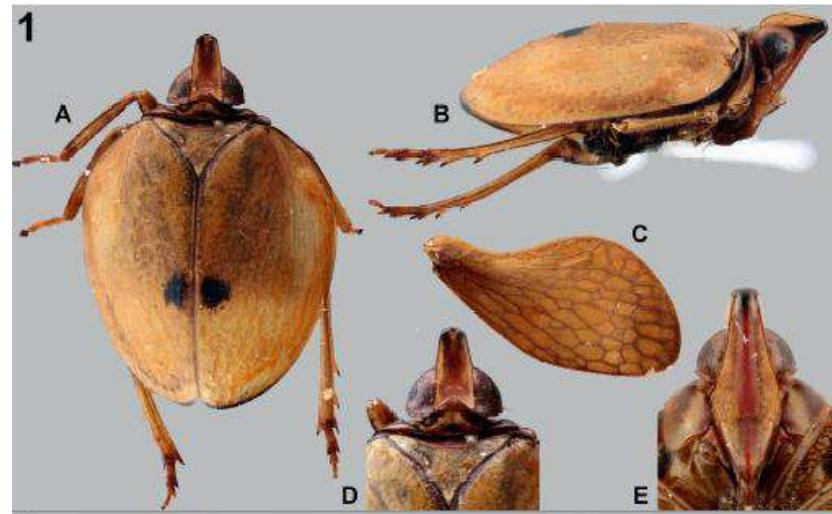


# Examples RBINS

## Belgian Journal of Entomology

A new species of *Macrodaruma* Fennah, 1978 from Northern Vietnam (Hemiptera: Fulgoromorpha: Issidae)

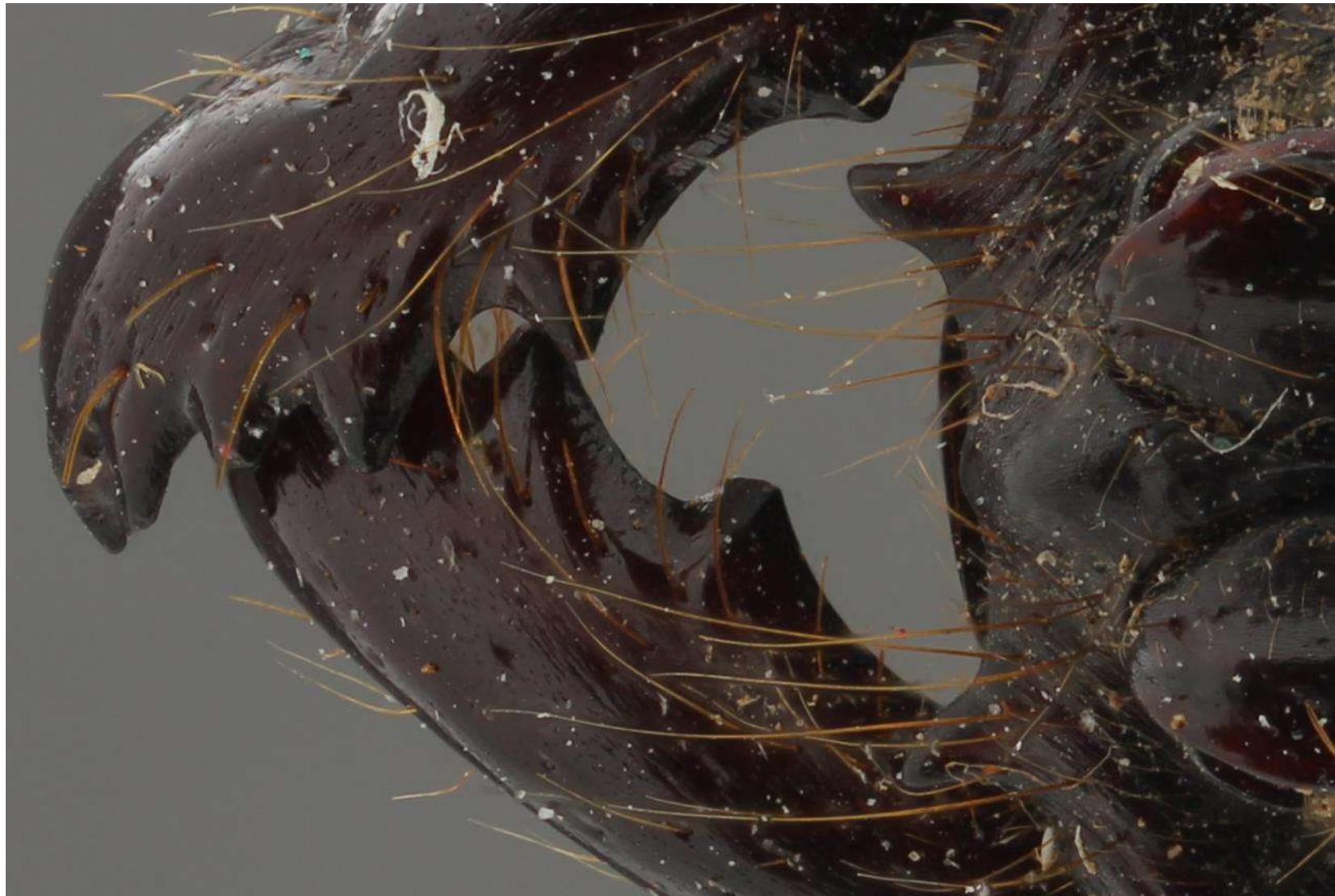
Jérôme CONSTANT<sup>1</sup> & Hong Thai PHAM<sup>2</sup>



# Mass digitization @ RBINS



# Mass digitization @ RBINS



# Mass digitization @ RBINS



Lepidoptera collection:  
Dorsal and Ventral view + Picture of the labels  
DIGIT 03

# Mass digitization @ RBINS



# Une collection digitale

- Quelques exemples des collections digitales
- [WWW.ANTWEB.ORG](http://www.antweb.org)

The screenshot shows the homepage of AntWeb (v5.18.7). At the top, there's a navigation bar with links for About, Participate, AntBlog, Press, Contact, AntCat, API, and a Facebook icon. Below the navigation is a search bar with a "Go Advanced Search" button. The main content area features a large image of an ant. To the left of the image is a "Current Statistics" box showing numbers for valid species, total species, specimens, and images. To the right is a "Recent Images" section with a list of specimen IDs and names, and a "Recent Edits" section with a list of species names. Below the main image is a horizontal banner with thumbnails of various ant subfamilies: Aenictinae, Aenictitoninae, Agroecomyrmecinae, Amblyoponinae, Aneuretinae, Cerapachyinae, and Dolichoderinae. At the bottom, there are sections for "Featured Curators" (Phil Ward, James Trager, Lloyd Davis, Jack Longino, Morris S. Moran, and Bristol Fisher) and "Meet the rest of the team!" with a note about curators contributing to the project.

# ANTWEB

The screenshot shows the AntWeb homepage with a large banner image of an ant. On the left, there's a sidebar with 'Current Statistics' and a navigation menu with 'Browse', 'Global', 'Regions', 'Projects', and 'Favorites'. The main content area features a large text block about the mission of AntWeb, followed by a section on recent edits and a 'Recent Images' list. At the bottom, there are sections for 'Featured Curators' and 'Meet the rest of the team!'. The status bar at the bottom includes icons for various applications and system information.

**Current Statistics:**

- 15,776 valid species + ssp.
- 35,501 total species + ssp.
- 499,907 specimens
- 15,076 species + ssp. imaged
- 39,166 specimens imaged
- 168,072 total specimen images

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**Browse: Global Regions Projects Favorites**

**Search for: [Go](#) Advanced Search**

**AntWeb v5.18.7**

**AntWeb is the world's largest online database of images, specimen records, and natural history information on ants. It is community driven and open to contribution from anyone with specimen records, natural history comments, or images.**

**Our mission is to publish for the scientific community high quality images of all the world's ant species. AntWeb provides tools for submitting images, specimen records, annotating species pages, and managing regional species lists. [More...](#)**

**Recent Images:**

- ZMUC00045109: Cataulacus pullus
- ZMUC00045114: Aenictus tz01
- ZMUC00045107: Cataulacus tz03
- ZMUC00045112: Cataulacus bequaerti\_cf
- ZMUC000514956: Bothropponera cavernosa
- ZMUC00045108: Cataulacus tz04

**Recent Edits:**

- Species: Anochetus pupulatus
- Species: Mayaponera constricta
- Species: Amblyoponine\_genus8\_nz01
- Species: Polyergus mexicanus
- Species: Polyergus bicolor
- Species: Polyergus breviceps

**Background image: Specimen: CASENT0264380 Species: Lepisiota elegantissima**

**Aenictinae    Aenictogitoninae    Agroecomyrmecinae    Amblyoponinae    Aneuretinae    Cerapachyinae    Dolichoderinae**

**«    »**

**Featured Curators**

|  |  |
|--|--|
| Phil Ward<br>University of California, Davis | James Trager<br>Missouri Botanical Garden  |
| Lloyd Davis<br>Florida Ant Mafia             | Jack Longino<br>University of Utah         |
| Corrie S. Moreau<br>Field Museum             | Brian L. Fisher<br>Smithsonian Institution |

**Meet the rest of the team!**

Many curators already contribute to AntWeb - would you like to join us? Curators can edit the home page of the geographic section they curate, upload specimen data and authority files, and control a number of other aspects of their project. Learn how to submit data to Antweb.

If you would like to join us, contact us at [antweb@calacademy.org](mailto:antweb@calacademy.org).

ENG 09:36 BEP 07/12/2014

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v5.18.7

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Projects

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Search for:

African

Australian

Eurasian

Malagasy

Nearctic

Neotropical

Pacific Islands

South East Asia



Background image: Specimen: CASENT0264380 Species: Lepisiotaelegans

## Featured Curators



Phil Ward

University of California, Davis



James Trager

Missouri Botanical Garden



Lloyd Davis

Florida Ant Mafia



Jack Longino

University of Utah



Corrie S. Moreau



Brian L. Fisher

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Search for:

Current View: African: Tanzania

## Tanzania Ants [Curator Notes](#) | [Images](#) ▾ | [List](#) ▾

[Field Guides](#)[Download Data](#)

### Thomas Pape & Cecilie Svennningsen

Tanzania is located in East Africa just below the equator, bordering Kenya and Uganda to the north, Rwanda, Burundi and the Democratic Republic of Congo to the west, Zambia, Malawi and Mozambique to the south, and the Indian Ocean to the east. The northeastern part of the country is mountainous and home to Africa's highest point, Mount Kilimanjaro. Lake Victoria, largest of the African Great Lakes, stretches into the northwestern part of the country, and Lake Tanganyika runs along most of the western border. The central region consists of a large, dry plateau featuring savannah vegetation. Serengeti National Park, famous for its migrations of wildebeest and zebra as well as for other megafauna, is situated in the north, and the vast Selous Game Reserve is found in the south. The western and southern parts of Tanzania contain extensive miombo woodlands, while the warmer and more humid eastern coastal area supports a mixture of forest types.

The Eastern Arc Mountains consist of 13 separate mountains, 12 of which are found in Tanzania. They stretch from the northeast to the southwest of the country. A tropical climate moderated by the moist winds from the Indian Ocean has provided stable conditions for some of the oldest forests on the continent. The Eastern Arc Mountains contain some of the most prominent montane biotas in East Africa.

The species list presented here is based on a compilation of literature records, an extract from AntWeb, and material from the collections of the Natural History Museum of Denmark.

At present around 1,000 species and 80 genera from 9 subfamilies are known from Tanzania. The largest subfamily is Myrmicinae (ca. 450 species and 30 genera), followed by Formicinae (ca. 200 species and 10 genera) and Ponerinae (ca. 100 species and 15 genera). The most species-rich genera are *Camponotus* (ca. 100 species), *Tetramorium* (ca. 90 species), *Pheidole* (ca. 70 species), *Crematogaster* (ca. 60 species) and *Carebara* (ca. 50 species). Two-thirds of the species on the list are morpho-species, and we suspect a number of these are new species and endemics for Tanzania. The Natural History Museum of Denmark will continue to collect in the region and this will in the future add to the number of ant species known for Tanzania.



Inbox (69) - Zarafa WebAc... x AW Taxonomic List - Ants of T... x +

www.antweb.org/taxonomicPage.do?rank=species&project=tanzaniaants

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8 Google

# AntWeb v5.18.7

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Search for:

Current View: African: Tanzania

## Tanzania Ants Curator Notes | Images | List

### 1,003 Species in Tanzania Ants

| M   | <a href="#">Acropyga afrc-tz-01</a>             |                  | <a href="#">Overview</a> | 4 Images  | 1 Specimens  | <a href="#">Map</a> |
|-----|---|------------------|--------------------------|-----------|--------------|---------------------|
| M   | <a href="#">Acropyga robertson_1999_01</a>      |                  | <a href="#">Overview</a> | No Images | No Specimens |                     |
| ✓ T | <a href="#">Acropyga silvestrii</a>             | Emery, 1915      | <a href="#">Overview</a> | 21 Images | 21 Specimens | <a href="#">Map</a> |
| ✓ T | <a href="#">Aenictogiton attenuatus</a>         | Santschi, 1919   | <a href="#">Overview</a> | 21 Images | 4 Specimens  | <a href="#">Map</a> |
| M   | <a href="#">Aenictus afrc-tz-01</a>             |                  | <a href="#">Overview</a> | 4 Images  | 1 Specimens  | <a href="#">Map</a> |
| M   | <a href="#">Aenictus afrc-tz-02</a>             |                  | <a href="#">Overview</a> | 4 Images  | 1 Specimens  | <a href="#">Map</a> |
| M   | <a href="#">Aenictus afrc-tz-03</a>             |                  | <a href="#">Overview</a> | 5 Images  | 1 Specimens  | <a href="#">Map</a> |
| M   | <a href="#">Aenictus afrc-tz-04</a>             |                  | <a href="#">Overview</a> | 4 Images  | 1 Specimens  | <a href="#">Map</a> |
| ✓ T | <a href="#">Aenictus bottegoi</a>               | Emery, 1899      | <a href="#">Overview</a> | 13 Images | 2 Specimens  | <a href="#">Map</a> |
| ✓ T | <a href="#">Aenictus buttgenbachi</a>           | Forel, 1913      | <a href="#">Overview</a> | 6 Images  | 1 Specimens  | <a href="#">Map</a> |
| ✓ T | <a href="#">Aenictus eugenii</a>                | Emery, 1895      | <a href="#">Overview</a> | 35 Images | 10 Specimens | <a href="#">Map</a> |
| ✓   | <a href="#">Aenictus fuscovarius</a>            | Gerstacker, 1859 | <a href="#">Overview</a> | No Images | No Specimens |                     |
| M   | <a href="#">Aenictus robertson_1999_01</a>      |                  | <a href="#">Overview</a> | No Images | No Specimens |                     |
| M   | <a href="#">Aenictus robertson_1999_02</a>      |                  | <a href="#">Overview</a> | No Images | No Specimens |                     |
| M   | <a href="#">Aenictus zmuc_1</a>                 |                  | <a href="#">Overview</a> | No Images | No Specimens |                     |
| M   | <a href="#">Agraulomyrmex afrc-tz-01</a>        |                  | <a href="#">Overview</a> | 4 Images  | 3 Specimens  | <a href="#">Map</a> |
| M   | <a href="#">Agraulomyrmex afrc-tz-02</a>        |                  | <a href="#">Overview</a> | 4 Images  | 1 Specimens  | <a href="#">Map</a> |
| M   | <a href="#">Agraulomyrmex robertson_1999_01</a> |                  | <a href="#">Overview</a> | No Images | No Specimens |                     |
| M   | <a href="#">Agraulomyrmex robertson_2002_01</a> |                  | <a href="#">Overview</a> | No Images | No Specimens |                     |
| M   | <a href="#">Agraulomyrmex tz01</a>              |                  | <a href="#">Overview</a> | 4 Images  | 2 Specimens  | <a href="#">Map</a> |
| M   | <a href="#">Anochetus tenuicornis_1999_04</a>   |                  | <a href="#">Overview</a> | No Images | No Specimens |                     |

**Species: *Acropyga silvestrii* Emery, 1915** ✓ ⓘ [Overview](#) | [Images](#) | [List](#) | [Map](#)**Classification:** Order: Hymenoptera Family: Formicidae Subfamily: Formicinae Genus: *Acropyga* Species: *silvestrii***21 Specimens (5 imaged)**[Compare Images](#)[Download Data](#)Sort by [Species](#)

|   |  |  |   |                                  |
|---|--|--|---|----------------------------------|
| <a href="#">CASENT0178254</a><br>4 Images   | Collection: ANTC8519   | Location: Kenya: Western: Kakamega District, Isecheno, Isecheno Forest Reserve   | 0.24 °, 34.86 °                                 | Elevation: 16                    |
| Habitat:<br>Subhabitat: sifted litter   | Collected by: W. Okeka<br>Collected on:                        | Owned by: LACM, Los Angeles, CA, USA<br>Determined by: R.R.Snellings             | Method: DNA Notes:                              | Type Status: Caste: 1w           |
| Data provided by: California Academy of Sciences  |  |  |   |                                  |
| <a href="#">CASENT0235250</a><br>5 Images   | Collection: BLF02298   | Location: Cameroon: Sud: P. N. Campo, 43.32.2825 °, 10.20617 ° km 108° ESE Campo |   | Elevation: 29                    |
| Habitat: rainforest<br>Subhabitat: sifted litter (leaf mold, rotten wood)<br>Data provided by: California Academy of Sciences | Collected by: B.L.Fisher<br>Collected on:                      | Owned by: CASC, San Francisco, CA, USA<br>Determined by:                         | Method: MW 50 sample transect, 5m<br>DNA Notes: | Type Status: Caste: 1aQ          |
| <a href="#">CASENT0235344</a><br>4 Images   | Collection: CEPF-TZ-5.2  | Location: Tanzania: Kilimanjaro: Mwanga: Kindoroko Forest Reserve                | -3.7452 °, 37.64267 °                           | Elevation: 17                    |
| Habitat: primary forest<br>Subhabitat: leaf litter<br>Data provided by: California Academy of Sciences                        | Collected by: P. Hawkes, J. Makwati, R. Mtana<br>Collected on: | Owned by: AFRC, Pretoria, South Africa<br>Determined by: P.G. Hawkes             | Method: winkler<br>DNA Notes:                   | Type Status: Caste: 1w           |
| <a href="#">CASENT0629516</a><br>No Images  | Collection: JTL7863-s  | Location: Uganda: Kabarole: Kanyawara, Kibale NP                                 | 0.56427485 °, 30.358759 °                       | Elevation: 15                    |
| Habitat: mature wet forest<br>Subhabitat: in clay bank<br>Data provided by: University of Utah                                | Collected by: J. Longino<br>Collected on: 2012-08-08           | Owned by: JTL<br>Determined by: J. Longino                                       | Method: search<br>DNA Notes:                    | Type Status: Caste: Adult worker |
| <a href="#">CASENT0629522</a><br>No Images  | Collection: JTL7864-s  | Location: Uganda: Kabarole: Kanyawara, Kibale NP                                 | 0.56427485 °, 30.358759 °                       | Elevation: 15                    |
| Habitat: mature wet forest  | Collected by: J. Longino                                       | Owned by: JTL  | Method: Winkler                                 | Type Status:                     |

Current View: African: Tanzania [Change View](#) ▾

## Specimen: CASENT0235250 *Acropyga silvestrii* [Overview](#) | [Images](#) | [Map](#)

**Classification:** Order: Hymenoptera Family: Formicidae Subfamily: Formicinae Genus: *Acropyga* Species: *silvestrii* Specimen: CASENT0235250**Persistent Identifier:**<http://www.antweb.org/specimen/CASENT0235250>**Locality Information:**

Locality: Cameroon: Sud: P. N. Campo, 43.3 km 108° ESE Campo  
Latitude: 2.2825  
Longitude: 10.20617  
Lat/Long Max Error:  
Elevation: 290 m  
Elevation Max Error:  
Locality Notes: coordinates obtained from GPS

**Collection Information:**

Collection code: BLF02298  
Collected by: B.L.Fisher  
Habitat: rainforest  
Date collected:  
Date collected end:  
Method: MW 50 sample transect, 5m  
Microhabitat: sifted litter (leaf mold, rotten wood)  
Collection notes:

**Specimen Information:**

Life stage: 1aQ  
Located at: CASC  
Owned by: CASC, San Francisco, CA, USA  
Determined by:  
Date determined:  
Type status:  
Medium: pin  
DNA notes:  
Specimen notes: transect subsample #36

# AntWeb

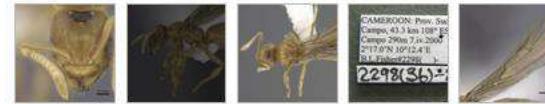
v5.18.7

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Current View: Global: All Antweb

## Specimen: CASENT0235250 Acropyga silvestrii ✓ [Overview](#) | [Images](#)

**Classification:** Order: Hymenoptera Family: Formicidae Subfamily: Formicinae Genus: Acropyga Species: silvestrii Specimen: CASENT0235250[Profile View](#)

Date Uploaded: 03/16/2012

Photographer: Shannon Hartman

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# AntCat



Sea

## An Online Catalog of the Ants of the World

### Formicidae Latreille, 1809 valid

Extant: 16 valid subfamilies (5 synonyms, 21 unavailable), 39 valid tribes (90 synonyms), 324 valid genera (403 synonyms, 17 homonyms, 1 unidentifiable, 7 unavailable, 2 excluded from Formicidae), 13, unidentifiable, 112 unavailable, 4 excluded from Formicidae, 4,024 original combinations, 56 obsolete combinations), 2,094 valid subspecies (2,245 synonyms, 97 homonyms, 5 unidentifiable, 777 unavailable)

Fossil: 4 valid subfamilies, 8 valid tribes (4 synonyms), 146 valid genera (16 synonyms, 5 homonyms, 1 unavailable, 6 excluded from Formicidae, 4 collective group names), 688 valid species (48 synonyms, Formicidae, 3 collective group names), 2 valid subspecies (3 synonyms)

| Subfamilies   | Genera                         | Species |
|---|--------------------------------|---------|
| <a href="#">show unavailable</a><br><a href="#">show tribes</a><br><br><a href="#">(no subfamily)</a><br><a href="#">Aenictinae</a><br><a href="#">Aenictogitoninae</a><br><a href="#">Agroecomyrmecinae</a><br><a href="#">Amblyoponinae</a><br><a href="#">Aneuretinae</a><br><a href="#">†Armaniinae</a><br><a href="#">†Brownimeciinae</a><br><a href="#">Cerapachyinae</a><br><a href="#">Dolichoderinae</a><br><a href="#">Dorylinae</a><br><a href="#">Ecitoninae</a><br><a href="#">Ectatomminae</a><br><a href="#">†Formiciinae</a><br><a href="#">Formicinae</a><br><a href="#">Heteroponerinae</a><br><a href="#">Leptanillinae</a><br><a href="#">Leptanilloidinae</a><br><a href="#">Martialinae</a> | <a href="#">show subgenera</a> |         |

fossil valid synonym subspecies unidentifiable/excluded from Formicidae unavailable/nomen nudum homonym



## An Online Catalog of the Ants of the World

### Formicinae Latreille, 1809 valid

Extant: 11 valid tribes (11 synonyms), 51 valid genera (38 synonyms, 4 homonyms), 3,008 valid species (468 synonyms, 71 homonyms, 80 unidentifiable, 33 unavailable, 1 excluded from Formicidae), 826 282 unavailable)

Fossil: (2 synonyms), 30 valid genera (5 synonyms), 189 valid species (24 synonyms, 3 homonyms, 6 unidentifiable, 1 unavailable), 2 valid subspecies (1 synonym)

Formicariae Latreille, 1809: 124 . Type-genus: *Formica*. [ANTWEB](#) [ANTWIKI](#)

| Subfamilies                      | Genera                         | Species   |
|----------------------------------|--------------------------------|---|
| <a href="#">show unavailable</a> | <a href="#">show subgenera</a> |   |
| <a href="#">(no subfamily)</a>   |                                |   |
| Aenictinae                       | <i>Acantholepis</i>            | <i>+Orbicapitia</i>                                     |
| Aenictogitoninae                 | <i>Acropyga</i>                | <i>+Ovalicapito</i>                                     |
| Agroecomyrmecinae                | <i>Acrostigma</i>              | <i>+Ovaligasterula</i>                                  |
| Amblyoponinae                    | <i>Adformica</i>               | <i>Overbeckia</i>                                       |
| Aneuretinae                      | <i>Agraulomyrmex</i>           | <i>+Palaeosminthurus</i>                                |
| †Armaniinae                      | <i>Alloformica</i>             | <i>Paraformica</i>                                      |
| †Brownimeciinae                  | <i>Anacantholepis</i>          | <i>Paraparatrechina</i>                                 |
| Cerapachyinae                    | <i>Andragnathus</i>            | <i>Paraplagiolepis</i>                                  |
| Dolichoderinae                   | <i>Anoplolepis</i>             | <i>Paratrechina</i>                                     |
| Dorylinae                        | <i>Aphomomyrmex</i>            | <i>Petalomyrmex</i>                                     |
| Ectoninae                        | <i>Aporomyrmex</i>             | <i>Phasmomyrmex</i>                                     |
| Ectatomminae                     | <i>Atopodon</i>                | <i>Plagiolepis</i>                                      |
| †Formiciinae                     | <i>Bajcaridris</i>             | <i>Polyergus</i>  |
| Formicinae                       | <i>Baroniurbania</i>           | <i>Polyrhachis</i>                                      |
| Heteroponerinae                  | <i>Brachymyrmex</i>            | <i>Prenolepis</i>                                       |
| Leptanillinae                    | <i>Bregmatomyrma</i>           | <i>+Prodromorphomyrmex</i>                              |
|                                  | <i>Bryscha</i>                 | <i>Proformica</i>                                       |
|                                  | <i>Calomyrmex</i>              | <i>Prolasius</i>  |
| <a href="#">fossil</a>           | <a href="#">valid</a>          | <a href="#">unavailable/nomen nudum</a>                 |
|                                  | <a href="#">synonym</a>        | <a href="#">homonym</a>                                 |
|                                  | <a href="#">subspecies</a>     |   |
|                                  |                                | <a href="#">unidentifiable/excluded from Formicidae</a> |

## An Online Catalog of the Ants of the World

### **Plagiolepis** Mayr, 1861 valid

Extant: 61 valid species (8 synonyms, 2 homonyms, 1 unavailable), 19 valid subspecies (3 synonyms, 1 unavailable)

Fossil: 11 valid species (1 synonym)

**Plagiolepis** Mayr, 1861: 42. Type-species: *Formica pygmaea*, by monotypy. [ANTWEB](#) [ANTWIKI](#)

[Plagiolepis in Formicinae](#) · Mayr, 1861 · 42 [Formicinae] · Mayr, 1862 · 552 [Formicinae] · Mayr, 1866 · 7 [Formicidae] · Mayr, 1869 · 26 [Formicidae] · [Plagiolepis in Camponotinae](#) · Forel, 1870 ·

| Subfamilies                      | Genera                         | Species   |
|----------------------------------|--------------------------------|---|
| <a href="#">show unavailable</a> | <a href="#">show subgenera</a> |   |
| (no subfamily)                   | <i>Acantholepis</i>            | <i>abyssinica</i>                                       |
| <i>Aenictinae</i>                | <i>Acropyga</i>                | <i>gaetula</i>  |
| <i>Aenictogitoninae</i>          | <i>Acrostigma</i>              | <i>gertrudae</i>  |
| <i>Agroecomyrmecinae</i>         | <i>Adformica</i>               | <i>dynata</i>   |
| <i>Amblyoponinae</i>             | <i>Agraulomyrmex</i>           | <i>alluaudi</i>   |
| <i>Aneuretinae</i>               | <i>Formicina</i>               | <i>ampeloni</i>   |
| <i>†Armaniinae</i>               | <i>Fushuniformica</i>          | <i>ancyrensis</i>                                       |
| <i>†Brownimeciinae</i>           | <i>Gesomyrmex</i>              | <i>arnoldii</i>   |
| <i>Cerapachyinae</i>             | <i>Gigantiops</i>              | <i>atlantis</i>   |
| <i>Dolichoderinae</i>            | <i>Anoplolepis</i>             | <i>augusti</i>  |
| <i>Dorylinae</i>                 | <i>Glaphyromyrnex</i>          | <i>balestrierii</i>                                     |
| <i>Ectitoninae</i>               | <i>Aphomomyrmex</i>            | <i>balticus</i>   |
| <i>Ectatomminae</i>              | <i>Aporomyrmex</i>             | <i>barbara</i>  |
| <i>†Formiciinae</i>              | <i>Atopodon</i>                | <i>bicolor</i>  |
| <i>Formicinae</i>                | <i>Bajcaridris</i>             | <i>boltoni</i>  |
| <i>Heteroponerinae</i>           | <i>Baroniurbania</i>           | <i>bothae</i>   |
| <i>Leptanillinae</i>             | <i>Brachymyrnex</i>            | <i>brauni</i>   |
|                                  | <i>Bregmatomyrma</i>           | <i>breviscapa</i>                                       |
|                                  | <i>Bryschia</i>                | <i>karavaevi</i>  |
|                                  | <i>Calomyrmex</i>              | <i>karawajewi</i>                                       |
|                                  | <i>Lasius</i>                  | <i>braunsi</i>  |
|                                  |                                | <i>karrooensis</i>                                      |
|                                  |                                | <i>brunni</i>   |
|                                  |                                | <i>tklinsmanni</i>                                      |
|                                  |                                | <i>bulawayensis</i>                                     |
|                                  |                                | <i>tkuenowi</i>   |
|                                  |                                | <i>labilis</i>  |
|                                  |                                | <i>schmitzii</i>  |
| <a href="#">fossil</a>           | <a href="#">valid</a>          | <a href="#">synonym</a>                                 |
|                                  |                                | <a href="#">subspecies</a>                              |
|                                  |                                | <a href="#">unidentifiable/excluded from Formicidae</a> |
|                                  |                                | <a href="#">unavailable/nomen nudum</a>                 |
|                                  |                                | <a href="#">homonym</a>                                 |

< California Hymenoptera Online Database

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**Plagiolepis karawajewi** Radchenko, 1989 valid

**Plagiolepis karawajewi** Radchenko, 1989c: 154, figs. 1-6 (w.q.m.) UKRAINE. Palaearctic. [ANTWEB](#) [ANTWIKI](#)

| Subfamilies                      | Genera         |                         |                             | Species                                 |                    |                       |  |  |  |
|----------------------------------|----------------|-------------------------|-----------------------------|---|--------------------|-----------------------|--|--|--|
| <a href="#">show unavailable</a> |                |                         |                             |   |                    |                       |  |  |  |
| <a href="#">show tribes</a>      |                |                         |                             |   |                    |                       |  |  |  |
| (no subfamily)                   | Acantholepis   | Euprenolepis            | <i>T</i> orbicapitia        | <i>abyssinica</i>                       | <i>gaetula</i>     | <i>pictipes</i>       |  |  |  |
| Aenictinae                       | Acropyga       | <i>T</i> Eurytarsites   | <i>T</i> Ovalicapito        | <i>dynata</i>                           | <i>gertrudae</i>   | <i>pilipes</i>        |  |  |  |
| Aenictogitoninae                 | Acrostigma     | Forelophilus            | <i>T</i> Ovaligastrula      | <i>alluaudi</i>                         | <i>grassei</i>     | <i>pissina</i>        |  |  |  |
| Agroecomyrmecinae                | Adformica      | Formica                 | Overbeckia                  | <i>ampeloni</i>                         | <i>hirsuta</i>     | <i>polita</i>         |  |  |  |
| Amblyoponinae                    | Agraulomyrmex  | Formicina               | <i>T</i> Palaeosminthurus   | <i>ancyrensis</i>                       | <i>hoggarensis</i> | <i>polygyna</i>       |  |  |  |
| Aneuretiniae                     | Alloformica    | <i>T</i> Fushuniformica | Paraformica                 | <i>arnoldii</i>                         | <i>impasta</i>     | <i>pontii</i>         |  |  |  |
| †Armaniinae                      | Anacantholepis | Gesomyrmex              | Paraparatrechina            | <i>atlantis</i>                         | <i>intermedia</i>  | <i>pubescens</i>      |  |  |  |
| †Brownimeciinae                  | Andragnathus   | Gigantiops              | Paraplagiolepis             | <i>augusti</i>                          | <i>isis</i>        | <i>puncta</i>         |  |  |  |
| Cerapachyinae                    | Anoplolepis    | <i>T</i> Glyphyromyrmex | Paratrechina                | <i>balestrierii</i>                     | <i>jerdonii</i>    | <i>pygmaea</i>        |  |  |  |
| Dolichoderinae                   | Aphomomyrmex   | Hagiostigmmacros        | Petalomyrmex                | <i>t</i> balticus                       | <i>jouberti</i>    | <i>t</i> pygmaeus     |  |  |  |
| Dorylinae                        | Aporomyrmex    | <i>T</i> Heeridris      | Phasmomyrmex                | <i>barbara</i>                          | <i>juddi</i>       | <i>pyrenaica</i>      |  |  |  |
| Ecitoninae                       | Atopodon       | Hincksidris             | <i>T</i> Plagiolepis        | <i>bicolor</i>                          | <i>kabyla</i>      | <i>quadrimaculata</i> |  |  |  |
| Ectatomminae                     | Bajcaridris    | <i>T</i> Huaxiaformica  | Polyergus                   | <i>boltoni</i>                          | <i>karavaevi</i>   | <i>regis</i>          |  |  |  |
| †Formiciinae                     | Baroniurbania  | Iberoformica            | Polyrhachis                 | <i>bothae</i>                           | <i>karawajewi</i>  | <i>rogeri</i>         |  |  |  |
| Formicinae                       | Brachymyrmex   | <i>T</i> Imhoffia       | Prenolepis                  | <i>brauni</i>                           | <i>karrooensis</i> | <i>rothneyi</i>       |  |  |  |
| Heteroponerinae                  | Bregmatomyrma  | <i>T</i> Kyromyrma      | <i>T</i> Prodromorphomyrmex | <i>breviscapa</i>                       | <i>tklinsmanni</i> | <i>rufescens</i>      |  |  |  |
| Leptanillinae                    | Bryschia       | Lasiosianthes           | Proformica                  | <i>brunni</i>                           | <i>tkuenowi</i>    | <i>satunini</i>       |  |  |  |
|                                  | Calomyrmex     | Lasius                  | Prolasius                   | <i>bulawayensis</i>                     | <i>tlabilis</i>    | <i>schmitzii</i>      |  |  |  |
| fossil                           | valid          | synonym                 | subspecies                  | unidentifiable/excluded from Formicidae |                    |                       |  |  |  |
|                                  |                |                         |                             | unavailable/nomen nudum                 |                    |                       |  |  |  |
|                                  |                |                         |                             | homonym                                 |                    |                       |  |  |  |

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***Plagiolepis karawajewi*** Radchenko, 1989 valid***Plagiolepis karawajewi*** Radchenko, A. G. 1989c. Ants of the *Plagiolepis* genus of the European part of the USSR. [In Russian.]. Zoologicheskii Zhurnal 68(9):153-156. [1989-09] | [ANTWIKI](#)

### Subfamilies

[show unavailable](#)  
[show tribes](#)

(no subfamily)  
 Aenictinae  
 Aenictogitoninae  
 Agroecomyrmecinae  
 Amblyoponinae  
 Aneuretinae  
 †Armaniinae  
 †Brownimeciinae  
 Cerapachyinae  
 Dolichoderinae  
 Dorylinae  
 Ecitoninae  
 Ectatommatae  
 †Formiciinae  
**Formicinae**  
 Heteroponerinae  
 Leptanillinae

### Genera

[show subgenera](#)

|                      |                  |                      |
|----------------------|------------------|----------------------|
| Acantholepis         | Euprenolepis     | <i>t</i> orbicapitia |
| Acropyga             | †Eurytarsites    | †Ovalicapito         |
| Acrostigma           | Forelophilus     | †Ovaligasterula      |
| Adformica            | Formica          | Overbeckia           |
| <i>Agraulomyrmex</i> | Formicina        | †Palaeosminthurus    |
| Alloformica          | †Fushuniformica  | Paraformica          |
| Anacantholepis       | Gesomyrmex       | Paraparatrechina     |
| Andragnathus         | Gigantiops       | Paraplagiolepis      |
| Anoplolepis          | †Glaphyromyrmex  | Paratrechina         |
| Aphomomyrmex         | Hagiostigmmacros | Petalomyrmex         |
| Aporomyrmex          | †Heeridris       | Phasmomyrmex         |
| Atopodon             | Hincksidris      | <b>Plagiolepis</b>   |
| Bajcaridris          | †Huaxiaformica   | Polyergus            |
| Baroniurbania        | Iberoformica     | Polyrhachis          |
| Brachymyrmex         | †Imhoffia        | Prenolepis           |
| Bregmatomyrma        | †Kyromyrma       | †Prodromorphomyrmex  |
| Bryschia             | Lasiosianthes    | Proformica           |
| Calomyrmex           | Lasius           | Prolasius            |

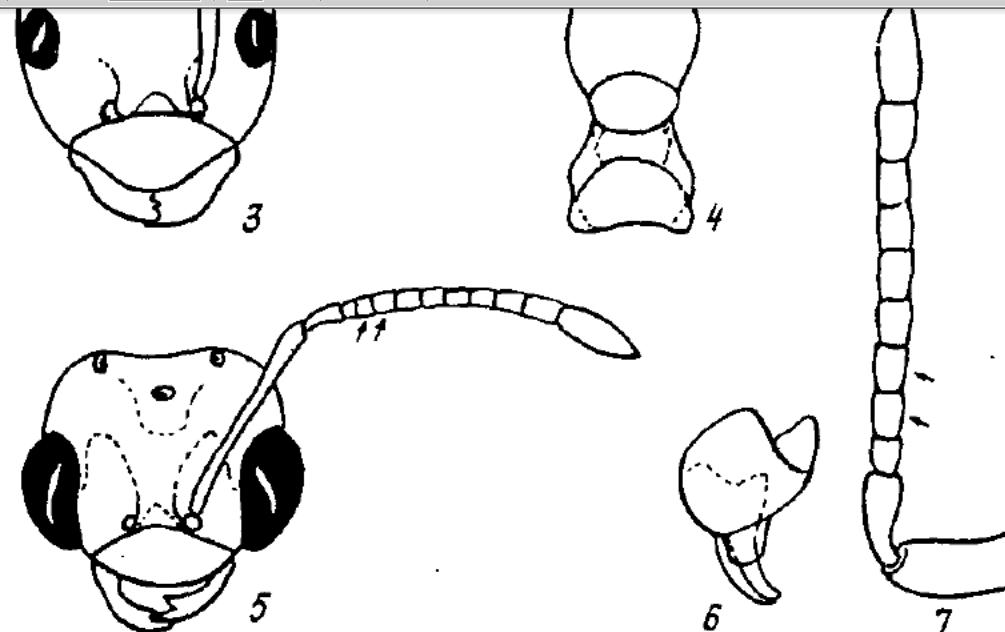
### Species

|                     |                          |                       |
|---------------------|--------------------------|-----------------------|
| <i>abyssinica</i>   | <i>gaetula</i>           | <i>pictipes</i>       |
| <i>adynata</i>      | <i>gertrudae</i>         | <i>pilipes</i>        |
| <i>alluaudi</i>     | <i>grassei</i>           | <i>pissina</i>        |
| <i>ampeloni</i>     | <i>hirsuta</i>           | <i>polita</i>         |
| <i>ancyrensis</i>   | <i>hoggarensis</i>       | <i>polygyna</i>       |
| <i>arnoldii</i>     | <i>impasta</i>           | <i>pontii</i>         |
| <i>atlantis</i>     | <i>intermedia</i>        | <i>pubescens</i>      |
| <i>augusti</i>      | <i>isis</i>              | <i>puncta</i>         |
| <i>balestrierii</i> | <i>jerdonii</i>          | <i>pygmaea</i>        |
| <i>tbalticus</i>    | <i>jouberti</i>          | <i>tpygmaeus</i>      |
| <i>barbara</i>      | <i>juddi</i>             | <i>pyrenaica</i>      |
| <i>bicolor</i>      | <i>kabyla</i>            | <i>quadrimaculata</i> |
| <i>boltoni</i>      | <i>karavaevi</i>         | <i>regis</i>          |
| <i>bothae</i>       | <b><i>karawajewi</i></b> | <i>rogeri</i>         |
| <i>brauni</i>       | <i>karooensis</i>        | <i>rothneyi</i>       |
| <i>breviscapa</i>   | <i>tklinsmanni</i>       | <i>rufescens</i>      |
| <i>brunni</i>       | <i>tkuenowi</i>          | <i>satunini</i>       |
| <i>bulawayensis</i> | <i>tlabilis</i>          | <i>schmitzii</i>      |

**fossil****valid****synonym****subspecies****unidentifiable/excluded from Formicidae****unavailable/nomen nudum****homonym**

&lt;

**AntWeb****HYMENOPTERA  
ONLINE DATA**



*Plagiolepis karawajewi* Radchenko sp. n. (1–6) и *Pl. tauricus* Sant (7): 1 – ♀, голотип, голова спереди; 2 – грудь сверху; 3 – рабочий, параптип, голова спереди; 4 – грудь сверху; 5 – ♂, параптип, голова спереди; 6 – гениталии сбоку; 7 – ♀, усик

- 4 (5) Самка: грудь относительно широкая (длина скутума+скутеллюма/ширина скутума = 1,26–1,41), длина тела 2,8–3,0 мм (рисунок, 2). Рабочие: пронотум уже – длина/ширина = 0,78 (0,70–0,94) (рисунок, 4) . . . . . *P. karawajewi* sp. n.
- 5 (4) Самка: грудь относительно узкая (длина скутума+скутеллюма/ширина скутума 1,63–1,68), длина тела 3–4 мм.  
Рабочие: пронотум шире – длина/ширина = 0,69 (0,61–0,78) . . . . . *P. rugitae* Latr.
- 6 (3) 3-й членик жгутика усика удлиненный, по длине равен 4-му (рисунок, 7) . . . . .  
. . . . . *P. tauricus* Sant.



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