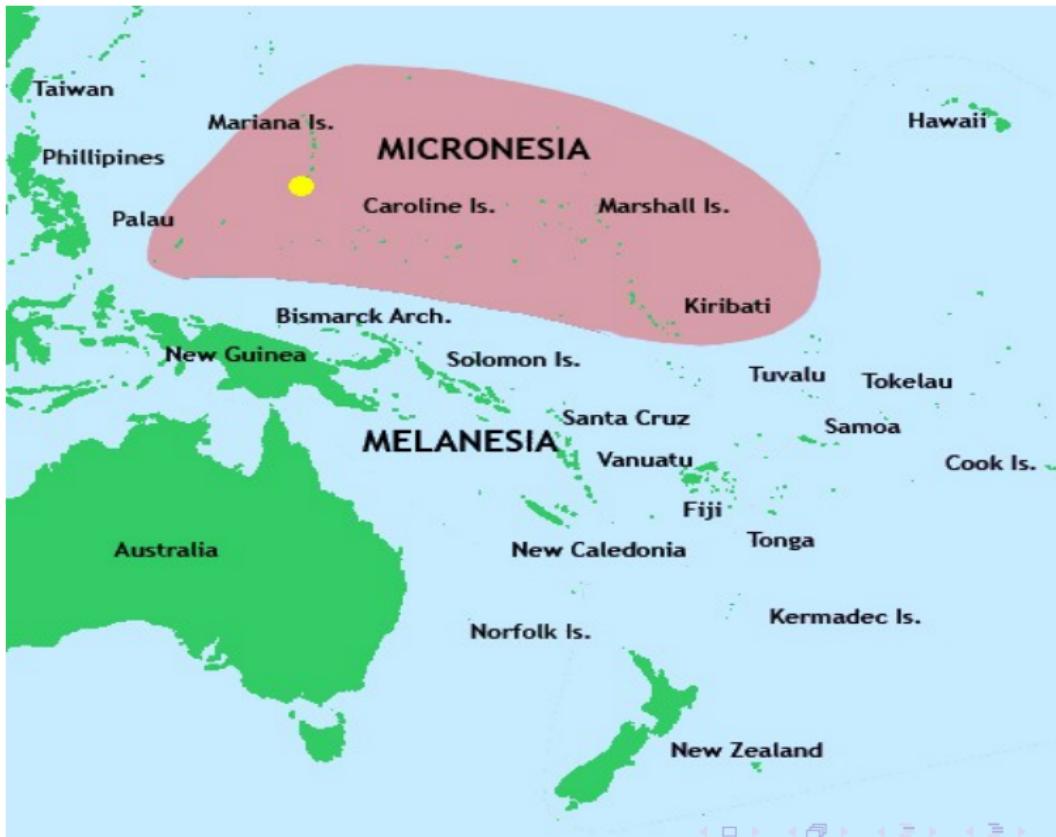


Evaluation of a Scratchpad Template as an Online Database for the University of Guam Insect Collection



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University of Guam

Where is Guam?



Challenges

- Limited taxonomic expertise
- High endemism (~45%); many undescribed species
- Very high introduction rate for alien insects

Resources

- Limited Literature
 - Hawaii Sugar Planters' Association survey of 1936 published by Bishop Museum in Insects of Guam (2 volumes)
 - Bishop Museum surveys of 1950s and 60s published in Insects of Micronesia
- Entomological Collections
 - University of Guam
 - Northern Marianas College, Saipan
 - Palau National Museum

University of Guam Insect Collection



University of Guam Insect Collection



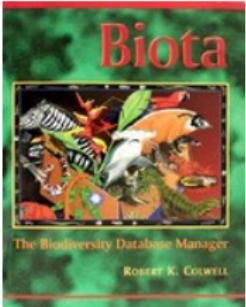
Wilfred Leon Guerrero Museum of Entomology

Curators

- Ross Miller, University of Guam
- Aubrey Moore, University of Guam

Board of Directors

- Richard Zack, Washington State University
- Robert Foottit, Agriculture Canada
- Robert Sites, University of Missouri



Biota

Digitization

- Initial attempts at specimen level databasing failed.
- All data lost due to hardware failures / defective back-up procedures



BioLink®

Digitization

- Biodiversity Information Management System provided free by CSIRO, Australia
- Development and support discontinued in 2005, however, BioLink has recently been reborn as an open source project
- Written in Visual Basic 6/C++ and sits on top a MicroSoft SQL Server database
- Typically run in client / server mode on a LAN or Internet



Digitization

BioLink[®]

Current Status

- 30,000 pinned specimens have been given a unique identifier and are recorded in our BioLink database

Desirable Features for an Online Collection Database

- Free and open source
- Reliable data security / backup
- Flexible data security (user permissions)
- Web browser used for data entry and information delivery
- Specimen records compliant with Darwin Core
- Storage for images, bibliographic data, informal notes, etc.
- Data shared via GBIF

LifeDesks and Scratchpads



- LifeDesks is part of the Encyclopedia of Life Project.
- ScratchPads is a project managed by the Natural History Museum, London.
- Both are Drupal templates hosted for free.
- My evaluation sites are at:
<http://micronesianinsects.lifedesks.org/>
<http://guaminsects.myspecies.info/>

Scratchpads

A multi-site implementation of Drupal



The screenshot shows a web browser window for the URL <http://scratchpads.eu/>. The page title is "Scratchpads | biodiversity online". The main header features the "Scratchpads" logo (a 4x4 grid of squares) and the text "biodiversity online". Below the header is a navigation menu with links: Home, About, Sites, Training, Progress, Blogs, Help. A search bar and an RSS feed link are also present.

The main content area has a dark green background. It features a large banner with the text "A social networking tool to build, share & publish information on the diversity of life..." and three screenshots of different site profiles. To the right of the banner is a sidebar with links: Overview, Image Galleries, eBooks, eJournals, DNA, Phylogeny & Specimens, Societies & Organizations, and Taxonomy & Literature. An "Apply Now or join a site" button is highlighted with a red box.

Below the banner is a section titled "Your data" showing logos for various data sources: Biodiversity Central, Google, Flickr, NCBI, Wikipedia, and Yahoo!.

Another section titled "Builds your site" shows a screenshot of a site profile for "Glossina, cassava, Lutzia...".

At the bottom left, there's a "Featured Sites" section with cards for "Alfred Russel Wallace Memorial Fund", "Annelid Worms of the dark murky depths", and "Stick Insect Study Group". The "Alfred Russel Wallace Memorial Fund" card includes a "1048 reads" counter.

<http://scratchpads.eu>

Scratchpad Application Form

Free to any individual or community

The screenshot shows a web browser window titled "Apply | Scratchpads" with the URL "http://scratchpads.eu/apply". The page has a dark green header bar with the "Scratchpads biodiversity online" logo and a navigation menu with links for Home, About, Sites, Training, Progress, Blogs, and Help. Below the header is a large form area with a title "Apply" and a sub-instruction: "Fill out and submit the electronic form below to initiate your scratchpad application. (* Field Required)."

About You
Details about the maintainer of this Scratchpad

Title: *

Full Name: *
At minimum this should be your first given name, and family name.

Email: *
Your email address

Institution: *
The institution with which you are most closely associated. If retired or amateur, please insert "N/A"

Country: *
The country that you are based in.

About Your Scratchpad
Information about your Scratchpad, including necessary API keys.

Site Title: *

Taxonomic Scope: *
The taxonomic group which best describes what taxa will be featured on your site. e.g. Insects, Aves, Phthiraptera, Dragons

Proposed subdomain of myspecies.info: *
[INSERT HERE: myspecies.info]
Tips on choosing a domain name

Mission statement: *

A description of your site, including what information a user of your site is likely to find there. By default the mission statement will appear on the front page of your site (although this can be changed later).

Google API Key: *

Flexible Template Site

With easy navigation

The Sandbox was last updated 33:07 (mins:seconds) ago. You have approximately 26:53 (mins:seconds) before the site is wiped.

Help Bibliography Contact us Forums

Scratchpad Sandbox

Simple | Taxonomy [Get](#)

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (7)
 - Haplorrhinidae (10)
 - Chiroptera (4)
 - Daubentonidae (2)
 - Galagonidae (4)
 - Hominoidea (4)
 - Hylobatidae (1)
 - Lorisidae (4)
 - Lemuridae (4)
 - Megaladapidae (1)
 - Pitheciidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administrator
- Groups
- My Unread

Task guide | Scratchpad Sandbox

http://sandbox.scratchpads.eu/taskguide

Home

Task guide

Some tips to get you started:

Taxonomy

Add a biological taxonomy (vocabulary), and then import a classification into your new vocabulary. Adding a taxonomy allows you to create taxon pages, and automatically integrate and navigate content across your site.

Literature

Import a bibliography, or add a new reference. To make this work with your biological taxonomy, make sure one or more taxon names are mentioned in the reference. You can access your full bibliographic list at any time.

Users

Add or list site users in different 'roles'. Contributors can add and edit their own content, editors can also edit other peoples content, and maintainers can also access advanced administrative features. The groups feature allows users to create private areas that can be selectively shared.

Content

Use the [list content](#) link to find and manage all content (nodes) within your site. Even found from there.

Images, Specimens and Locations

Add images, create galleries, and view images in the galleries. You can also add and with geographic locations.

Morphological and Molecular Data

Create and import projects (collections of taxa, characters and data) that can be edited with.

Languages

Make your site multilingual by adding languages, allowing users to provide translations of

Site Information

Change basic site information, such as the site name, slogan, e-mail address, and main page, specify the page address at the bottom of this page. Otherwise snippets of new s

feedback

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

http://www.primates.com/primate/zey-gvt.jpg

An Ecosystem of Communities



A screenshot of the Scratchpads website, which is a platform for sharing biodiversity information. The page displays a grid of nine thumbnail images, each representing a different biodiversity website. The sites shown include "African Dung Beetles Online", "Fungus Grabs Online", "Nannotax", "The Alfred Russel Wallace Website", "SDT-WPS", "Diptera", "Endopterygota (Holometabola) Insects", "Website of the International Palaeontological Society (IPS)", and "polychaetes.info". Above the grid, there are filters for "Nodes", "Domain", "Views", and "Random", along with a "Sort by" dropdown menu. The top navigation bar includes links for Home, About, Sites, Training, Progress, Blogs, and Help. The address bar shows the URL "http://scratchpads.eu/siteslist".

on 24 Aug 11

Sites: 280

Users: 3466

Pages: 363k

Countries: >60

Since March 07

**Circa 2 new sites/wk
& 15 new users/wk**

Scratchpad Functionality Summary

Taxonomy

The Sandbox was last updated 03:56 (min:seconds) ago. You have approximately 56.04 (min:seconds) before the site is wiped.

The Sandbox was last updated 03:47 (min:seconds) ago. You have approximately 88.13 (min:seconds) before the site is wiped.

Taxonomy import, management and navigation

This screenshot shows the Scratchpad Sandbox Taxonomy interface. It features several windows:

- Main Window:** Shows the "Taxonomy | Scratchpad Sandbox" page with a sidebar for "Simple | Taxonomy". It lists "Primates" with sub-categories like "Lorisidae" and "Hominidae".
- Import Window:** Titled "Import", it says "You have four options to import". Options include "Batch Import (enter names manually)" and "Import from Tax File".
- Destination Classification for import:** A dropdown menu titled "Choose...".
- Content Window:** Shows a list of content types: "Blog", "Blog entry", "Character project", "Content map", "Forum topics", "Group", "Image", "Specimen (DwC 1.2.1)", "Newsletter issue", "Page", "Phylogenetic tree", "Poll", "Profile", "Specimen (DwC 1.2.1)", and "Taxonomy".
- Test Window:** Shows a search for "Loris" and a list of results under "Primates": "Loris", "Loris tardigradus (L.)", "Lorisidae", "Arctocebus (2)", "Loris (1)", "Nycticebus (2)", and "Perodicticus (1)".
- Scratchpad Sandbox Window:** Shows the "Edit | Scratchpad Sandbox" page for "Pediculus Linnaeus, 1758". It includes sections for "Taxonomic Rank" (set to "genus"), "Relation to Pediculidae Leach, 1817" (set to "taxonomic child"), "Original Published Description", "Original Published Description" (text input), "Add Citation" (button), "Taxonomic Notes" (button), and a "SAVE" button.

Bibliographic data

Import | Scratchpad Sandbox
http://sandbox.scratchpads.eu/bible/import

The Sandbox was last updated 04:49 (mins:seconds) ago. You have approximately 55:11 (mins:seconds) before the site is wiped.

Help Bibliography Contact us Forum

Scratchpad Sandbox

Simple | Taxonomy

Import

Import file:

File Type:
Select type
BibTeX
EndNote Tagged
EndNote 7 XML (and previous versions)
EndNote 8 XML (and newer versions)
MARC
RIS

Taxonomy Settings

Import

Primates

- (14) Primates
- (4) Calitrichidae
- (7) Cebidae
- (10) Callitrichidae
- (4) Chirogaleidae
- (11) Daubentonidae
- (1) Galagidae
- (2) Homidae
- (1) Hylobatidae
- (3) Indriidae
- (1) Lemuridae
- (4) Loridae
- (1) Megaladapidae
- (4) Pitheciidae

Content

- Blog
- Blog entry
- Character project
- Countries map
- Forum topic
- Map
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

Done

Import | Scratchpad Sandbox
http://sandbox.scratchpads.eu/bible/import

The Sandbox was last updated 08:56 (mins:seconds) ago. You have approximately 55:11 (mins:seconds) before the site is wiped.

Help Bibliography Contact us Forum

Scratchpad Sandbox

Simple | Taxonomy

Home

2001

Williams, LK, Reichert, J. 2001. Susceptibility of British head lice, *Pediculus capitis*, to imidacloprid and fipronil. *Medical and Veterinary Entomology*. 14:105-107. [View](#) [Edit](#) [Clone](#)

Title Susceptibility of British head lice, *Pediculus capitis*, to imidacloprid and fipronil

Publication Journal Article

Type

Year of 2000

Publication

Authors Downe, AMR, Stafford KA, Coles GC

Journal Medical and Veterinary Entomology

Volume 14

Pagination 105-107

Date

Published Mar

Accession Number ISI:000086260100017

Keywords body lice cyclodine fipronil head lice imidacloprid insecticide lindane malathion resistance *P. humanus* *Pediculus capitis* permethrin resistance resistance U. K.

2006

Downs, AHR, Stafford KA, Coles GC. 2006. Susceptibility of British head lice, *Pediculus capitis*, to imidacloprid and fipronil. *Medical and Veterinary Entomology*. 14:105-107. [View](#) [Edit](#) [Clone](#)

Levitt, G. 2000. Resistance and control of lice on humans and production animals. *International Journal for Parasitology*. 30:291-297. [View](#) [Edit](#) [Clone](#)

BibTeX Google Scholar

Amenighi, MDD, Ferrer A, Champori S, Monteny N, Deuffn J, Richard-Lenoble D. 2000. Isoenzymes of human lice: *Pediculus humanus* and *P. capitis*. *Medical and Veterinary Entomology*. 14:419-425. [View](#) [Edit](#) [Clone](#)

1999

Burkhardt, CN, Burkhardt CG, Gunning WT, Arbogast J. 1999. Scanning electron microscopy of human head louse (*Anoplophora*: *Pediculidae*) egg and its clinical ramifications. *Journal of Medical Entomology*. 36:454-456. [View](#) [Edit](#) [Clone](#)

BibTeX Google Scholar

1998

Piñol, MJ, Vassena CV, Caselos AA, Massimo J, Zerba EN. 1998. Laboratory studies of susceptibility and resistance to insecticides in *Pediculus capitis* (*Anoplura*: *Pediculidae*). *Journal of Medical Entomology*. 35:814-817. [View](#) [Edit](#) [Clone](#)

BibTeX Google Scholar

test

Done

Import | Scratchpad Sandbox
http://sandbox.scratchpads.eu/bible/import

The Sandbox was last updated 08:56 (mins:seconds) ago. You have approximately 55:11 (mins:seconds) before the site is wiped.

Help Bibliography Contact us Forum

Scratchpad Sandbox

Simple | Taxonomy

Import

Import file:

File Type:
Select type
BibTeX
EndNote Tagged
EndNote 7 XML (and previous versions)
EndNote 8 XML (and newer versions)
MARC
RIS

Taxonomy Settings

Import

Primates

- (14) Primates
- (4) Calitrichidae
- (7) Cebidae
- (10) Callitrichidae
- (4) Chirogaleidae
- (11) Daubentonidae
- (1) Galagidae
- (2) Homidae
- (1) Hylobatidae
- (3) Indriidae
- (1) Lemuridae
- (4) Loridae
- (1) Megaladapidae
- (4) Pitheciidae

Content

- Blog
- Blog entry
- Character project
- Countries map
- Forum topic
- Map
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

Done

Images

Library | Scratchpad Sandbox
http://sandbox.scratchpads.eu/category/image-galleries/library

The Sandbox was last updated 10:48 (mins:seconds) ago. You have approximately 49:12 (mins:seconds) before the site is reset.

Help Biography Contact us Preferences

Scratchpad Sandbox

Home | Image galleries

Simple | Taxonomy Go!

Primates

- Primates (14)
 - Catarrhines (4)
 - Callitrichidae (1)
 - Cebidae (7)
 - Cercopithecidae (18)
 - Chlorocebus (4)
 - Daubentonidae (1)
 - Gelobronchidae (1)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Megaladapidae (1)
 - Pitheciidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Groups
- Image
- Location (DWC 1.2.1)
- Marker header
- Page
- Profile
- Replica (DWC 1.2.1)
- Taxonomy

test

- Administrator
- Groups

Feedback

Upload images | Scratchpad Sandbox

The Sandbox was last updated 58:15 (mins:seconds) ago. You have approximately 49:12 (mins:seconds) before the site is reset.

Scratchpad Sandbox

Home

Simple | Taxonomy Go!

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (7)
 - Cercopithecidae (18)
 - Chlorocebus (4)
 - Daubentonidae (1)
 - Gelobronchidae (4)
 - Gibbonidae (4)
 - Hominoidea (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Megaladapidae (1)
 - Pitheciidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Groups
- Image

Applies postedit started

Iguanodon.jpg

Replica Dinosaurs - Iguanodon and Kentrosaurus.jpg

Diplodocus - Diplodocus and Kentrosaurus.jpg

Carnotaurus.jpg

Dromaeosaurus albentensis.jpg

Iguanodon.jpg

View Image Details

- Download Original

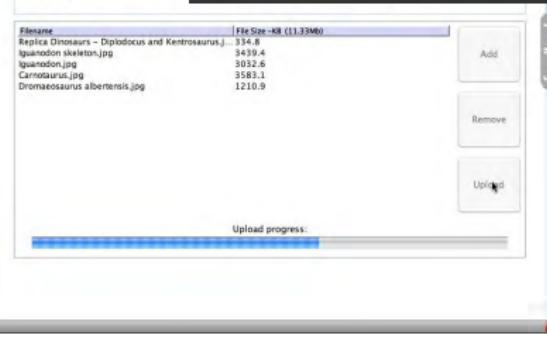
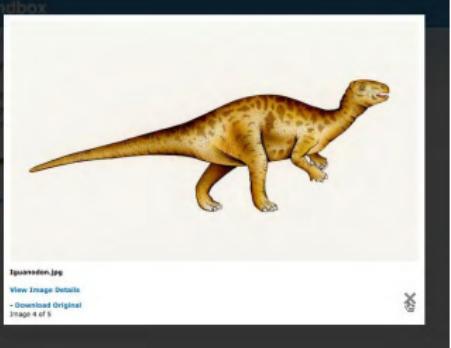
Image 4 of 9

Add

Remove

Upload

Upload progress:



Phylogeny

Create Phylogenetic tree | Scratchpad Sandbox

The Sandbox was last updated 15:41 (minus seconds) ago. You have approximately 44:19 (minus seconds) before the site is wiped.

Scratchpad Sandbox

Home | Create content

Primates

Nexus or Newick data:

```
116 M_bemaraisi,  
117 M_copei,  
118 M_crochetensis,  
119 M_chirostoma,  
120 M_novaezelandiae,  
121 M_santacruzae,  
122 M_pachysoma,  
123 M_nigroter,  
124 M_reichei
```

Content

File

New entry

Chimchar project

Countries map

Current topic

Group

Image

Location (DwC 1.2.1)

Newsletter issue

Page

Phylogenetic tree

Post

Profile

Specimen (DwC 1.2.1)

Taxonomy

test

Administrator

Groups

Deva

A Simple Phylogeny | Scratchpad Sandbox

The Sandbox was last updated 18:37 (minus seconds) ago. You have approximately 41:23 (minus seconds) before the site is wiped.

Scratchpad Sandbox

Home

Primates

Nexus or Newick data:

```
116 M_bemaraisi,(117 M_copei,(118 M_crochetensis,(119 M_chirostoma,(120 M_novaezelandiae,(121 M_santacruzae,(122 M_pachysoma,(123 M_nigroter,(124 M_reichei))))))
```

Content

File

New entry

Chimchar project

Countries map

Current topic

Group

Image

Location (DwC 1.2.1)

Newsletter issue

Page

Phylogenetic tree

Post

Profile

Specimen (DwC 1.2.1)

Taxonomy

test

Administrator

Groups

Deva

Add new comment | Delete post | Printer-friendly version

Nexus / Newick import for visualizing phylogenies

Character Matrices

The screenshot shows a web-based application titled "Scratchpad Sandbox" with a blue header bar. The main content area is titled "Test Matrix" and displays a "Test Matrix" table. The table has two columns: "head characters" and "Thoracic characters". The "head characters" column contains numerical values (1, 2, 3, 4, 5) and categorical labels (A, C, T). The "Thoracic characters" column contains text descriptions for each row. A green "Add character" button is located at the top right of the matrix table.

head characters	Thoracic characters	
1	A	Textual description 1
1.2	C	Textual description 2
1.45	T	Textual description 3
2	1.65	Textual description 4
2.122	T	Textual description 5
2.155	T	Textual description 6
2.189	G	Textual description 7
2.20	A	Textual description 8
2.4.5	C	Textual description 9
2.22	C	Textual description 10
1.1.8	C	Textual description 11
1.1.9	C	Textual description 12

On the left side of the interface, there is a sidebar with a tree view under the heading "Primates". The tree shows various primate families and genera. Below the tree, there is a "Content" section with links to various project types like Blogs, Projects, and Groups. At the bottom left, there is a "test" section with links to Administer, Groups, and My Unread. At the very bottom left, there is a "Done" link. On the right side, there is a vertical "feedback" button.

Molecular & morphological character matrices
(discrete, morphometric and text characters)

Distribution Maps

Country Maps Example | Scratchpad Sandbox
The Sandbox was last updated 15:41 (min:seconds) ago. You have approximately 44:19 (min:seconds) before the site is wiped.

Scratchpad Sandbox

Home > Country Maps Example

Simple | Taxonomy View Edit Clone

Title: Country Maps Example

Description:

Check the checkboxes of the countries you want to see on the map.

Africa

- Select all for Africa
- East Tropical Africa
- Select all for East Tropical Africa

Kenya | Kenya

Tanzania, United Republic of | Tanzania

Uganda | Uganda

Macaronesia

- Select all for Macaronesia

Cape Verde | Cape Verde

Portugal | Azores

Portugal | Madeira

Spain | Canary Is.

Primates

- Primates (14)
- Cebidae (4)
- Cebidae (?)
- Cercopithecidae (18)
- Cercopithecidae (?)
- Cebuontomidae (1)
- Galagidae (3)
- Hominoidea (4)
- Indridae (3)
- Lemuridae (4)
- Megaladapidae (1)
- Pithecidae (4)

Content

- Blog
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administrator
- Groups
- My Unread

Simple | Taxonomy View Edit Clone

Country Maps Example | Scratchpad Sandbox
The Sandbox was last updated 14:51 (min:seconds) ago. You have approximately 45:09 (min:seconds) before the site is wiped.

Scratchpad Sandbox

Home

Country Maps Example

Fri, 07/31/2009 - 14:54 — test

Add new comment Delete post Printer-friendly version

bryozoan: test

Specimens & locations

Scratchpad Sandbox

Create Specimen (DwC 1.3.1) | Scratchpad Sandbox

The Sandbox was last updated 22:54 (min seconds) ago. You have approximately 37:06 (min seconds) before the site is wiped.

Help Bibliography Contact us Forums

Simple | Taxonomy

Primates

- Primates (14)
- Catarrhines (4)
- Cercopithecidae (4)
- Cenopithecidae (18)
- Chirogaleidae (4)
- Daubentonidae (1)
- Galagidae (4)
- Hominoidea (4)
- Lorisidae (3)
- Lemuridae (4)
- Lutungidae (1)
- Megaladapidae (3)
- Pteropodidae (4)

Basis of record:

- Select--
- Select--
- Fossil Specimen
- Herbarium Specimen
- Living Specimen
- Machine Observation
- Memory
- Other Specimen
- Preserved Specimen
- Sound Recording
- Still Image

Catalogue number text:

The catalogue number (text) for this specimen

Save | Preview

Menu settings

Not in menu

Groups

Node Weight

Revision Information

Don't create new revision

Authoring Information

By first

Publishing options

Published, Promoted to front page

Comments

Content

Skip

Character project

Countries map

Forum topic

Group

Image

Location (DwC 1.2.1)

Newsletter issue

Page

Phylogenetic tree

All

Profile

Specimen (DwC 1.2.1)

Taxonomy

test

Administrator

Groups

My Unread

My account

Task guide

Recent posts

Home | Create content

Create Location (DwC 1.2.1) | Scratchpad Sandbox

Home | Create content

Create Location (DwC 1.2.1)

Location title (Used when referencing this location): London

Locality: Natural History Museum

The description of the locality from which the named-term was collected, sans geographic information provided in other geographic fields.

Location

Name: Natural History Museum

Street: Cromwell Road

Additional:

Country: United Kingdom

Map | Hybrid | Terrain

Feedback

Specimen & location records (DwC)

Pages, Forums, Blogs, Newsletters

The screenshot shows a web browser window titled "General | Scratchpad Sandbox". The URL is <http://sandbox.scratchpad.eu/forum/52>. The page displays a forum titled "General". A sidebar on the left lists categories under "Primates": Primates (14), Callitrichidae (4), Cebidae (1), Chiroptera (1), Strepsirrhini (14), Haplorrhini (12), Galagidae (4), Prosimians (1), and Primatidae (1). The main content area shows a list of forum topics:

Topic	Replies	Created	Last reply
First post to the general forum.	0	2 min 9 sec ago by test	n/a
Second topic	1	1 min 24 sec ago by test	40 sec ago by test
Third topic	0	3 sec ago by test	n/a

The screenshot shows a "Create Page" dialog box. The title is "Simple Page". The content area contains the text: "Create a simple web page with images for static content." On the left, there's a sidebar with a list of categories under "Primates".

Static web pages

The screenshot shows a "Create Blog entry" dialog box. The title is "My first blog entry". The body area contains the text: "I can use the WYSIWYG editor for rich text formatting. This is available through out the site for all content types!" Below the body, there are "Path ID" and "Disable rich-text" options.

User blogs

The screenshot shows a "Create Newsletter issue" dialog box. The title is "Scratchpad Newsletter Number 1". The content area contains the text: "Help to generate your newsletter by selecting the newsletter from the select list, Serial, a Newsletter or a full newsletter by selecting the newsletter field and defining the route." Below the content, there are "Newsletter" and "Newsletter number" dropdown menus.

Newsletters' with e-mail integration

Web fora with e-mail integration

Mass Import

The screenshot displays two overlapping web pages from the "Scratchpad Sandbox".

The main page, titled "Import content | Scratchpad Sandbox", shows a navigation bar with "Home", "Administrator", "Advanced", "Content Management", and "Import content". It features a sidebar with sections for "Primates" (listing various primate species) and "Content" (listing blog entries, character projects, countries maps, forum topics, groups, images, locations, newsletters, news, phylogenetic trees, and specimens). A message at the top states: "The Node import module allows you to import content [such as lists of Separated Values files]. This wizard guides you through a number of steps." Below this are buttons for "Back", "Reload page", "Reset page", and "Next".

The second page, titled "Select file (step 2 of 8) | Scratchpad Sandbox", is a sub-step of the import process. It has a similar header and sidebar. The main content area says: "Select the file which contains the data to import. You can select a previously uploaded file or upload a new file now." It includes "Back", "Reload page", "Reset page", and "Next" buttons. A "File Upload" dialog box is overlaid on this page, showing a file selection tree. The tree includes "DEVICES", "SHARES", "ZOOMA", and "PLACES" sections. Under "SHARES", there are several files listed, including "Checklist.xls", "Coverly -> SLIDES.doc", "D2.1 Survey design.pdf", "D3.1.2 Risk design.pdf", "D2009.pdf", "D2009images.xls", "DefText.Data", "DefText.xls", "EDT Logo.jpg", "EDT_Logo_XML.jpg", "Figure1", "Figure2", and "Films.txt". The "Films.txt" file is highlighted.

Import from CSV text file to any content type

Multilingual Support

The screenshot shows a web browser window titled "Languages | Scratchpad Sandbox" at the URL <http://sandbox.scratchpads.eu/admin/settings/language/add>. The page is part of a site called "Scratchpad Sandbox". The main content area is titled "Languages" and includes tabs for "Simple", "Taxonomy", and "Get". Below the tabs, there's a sidebar with sections for "Primates" (listing sub-families like Primates, Catarrhines, Cercopithecidae, etc.) and "Content" (listing various site sections like Home, Blog entry, Countries map, etc.). The main content area has a heading "Languages" with sub-links "Add language" and "Configure". A note says: "Add all languages to be supported by your site. If your desired language is not available in the Language name drop-down, click Custom language and provide a language code and other details manually. When providing a language code manually, be sure to enter a standardized language code, since this code may be used by browsers to determine an appropriate display language." A dropdown menu is open under "Language name", showing a list of languages. The language "Slovenian" is highlighted with a blue selection bar. Other languages listed include Afrikaans, Albanian (Shqip), Arabic (عَرَبِيٌّ), Armenian (Հայերէն), Azerbaijani (azərbaycan), Bambara (Bamanankan), Basque (Euskaraz), Belarusian (Беларуская), Bengali, Bhutanese, Bosnian, Breton, Bulgarian (Български), Burmese, Catalan (Català), Chinese (中文), Czech (Česky), Danish (Dansk), Dutch (Nederlands), English (English), French (Français), German (Deutsch), Greek (Ελληνικά), Hebrew (עֲרֵבִית), Hindi, Hungarian (Magyar), Icelandic (Íslensk), Indonesian (Indonesian), Italian (Italiano), Japanese (日本語), Korean (한국어), Latvian (Latviešu), Lithuanian (Lietuvių), Macedonian (Македонски), Norwegian (Norsk), Persian (فارسی), Polish (Polski), Portuguese (Português), Romanian (Română), Russian (Русский), Serbian (Српски), Spanish (Español), Swedish (Svenska), Turkish (Türkçe), Ukrainian (Українська), Vietnamese (Tiếng Việt), Welsh (Cymraeg), and Yiddish (ייִדיש).

Create & switch between content in any language

Administration

The image shows two overlapping browser windows of the Scratchpad Sandbox administration interface. The left window displays the main dashboard with sections for Promises, Content, and Test. The right window is focused on 'User management'.

Simple & advanced admin.

A screenshot of the 'Create Group' page in the Scratchpad Sandbox administration interface. It includes fields for 'Title' and 'Description', a 'Promises' sidebar, and a 'Content' sidebar.

Private Groups

A screenshot of the 'Create Profile' page in the Scratchpad Sandbox administration interface. It includes fields for 'Personal Information' (Name, Email, Family name, Birthdate, Bio) and 'Profile settings' (Profile picture, Bio, Personal info, Photo, Photo width, Photo height, Photo information, Publishing information, Publishing service, Current settings, and Test).

Customized user profiles

A screenshot of the 'AutoTag content' configuration page in the Scratchpad Sandbox administration interface. It shows a 'Terms to use' section with 'Customer Agreement (Promises)' and a 'Terms to ignore' section with 'Complaints (Promises)'. There is also a 'Save' button and a note about additional terms to log this node under.

AutoTag content
(automatically adds structure)

Taxon Pages

Integrating data & “publishing” in a Scratchpad

Carausius morosus | Phasmid Study Group
<http://phasmid-study-group.org/category/species/397>

Phasmid Study Group

Home Image Galleries Forums Development Blog

Home > Orthopteroidea > Phasmida > Diapheromeridae > Lonchodinae > Carausius > Carausius morosus

Phasmid Information

- Phasmids: An Introduction
- World Phasmid Catalogue
- Foodplants
- Phasmid FAQs
- UK Phasmids
- Knowledge Base
- Phasmid Publications
- Phasmid Glossary
- Contact Us
- Links

PSG Information

- History of the PSG
- How to Join the PSG
- PSG Culture List
- Forthcoming Events
- PSG News

Create Content

- Biblio
- Blog entry
- Book

Culture List Species
Filings
Frequently asked questions

Carausius morosus

print this page

Phasmid Taxonomy

- Orthopteroidea (3)
- Phasmida (10)
- Diapheromeridae (5)
- Lonchodinae (13)
- Carausius (10)
- Carausius morosus

How to navigate

Use the tree to the left to navigate the phasmid species that we have information about on this website. Click on a taxon name to view the subordinate taxa, and click the blue cross to get information about a taxon.

Images



Vernacular Names

The use of vernacular (= common) names is not recommended by the group. Read the website policy [here](#).

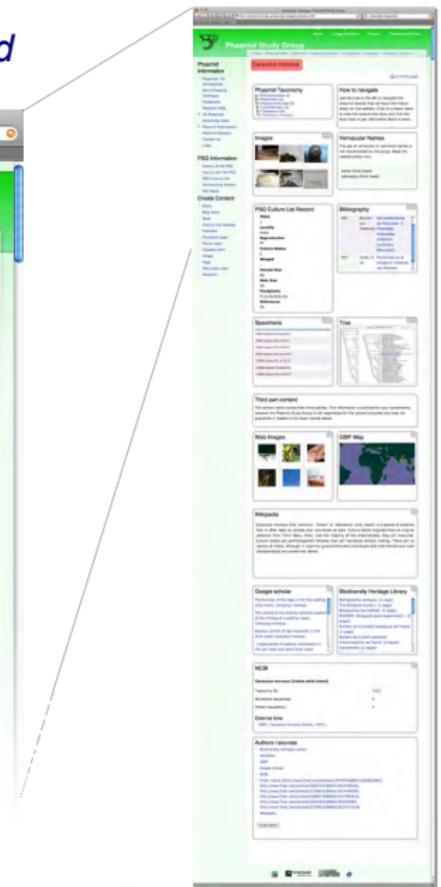
Indian Stick Insect
Laboratory Stick Insect

PSG Culture List Record

PSG#	1	Locality	India	Reproduction
Brummer	von	Die Insektenfamilie der Phasmen. II.		
Weltmeier		Phasmida		
		Amerikanische		
		(1890-1900)		

Bibliography

1907	Brummer	Die Insektenfamilie der Phasmen. II.
	von	
	Weltmeier	Phasmida
		Amerikanische
		(1890-1900)



Dynamically built species pages

Taxon Pages

Integrating data & “publishing” in a Scratchpad

The screenshot shows a web browser window for the Phasmid Study Group. The main content area displays a "Phasmid Taxonomy" tree for the species *Carausius morosus*. The tree includes nodes for Orthopteroidea, Phasmida, Diapheromeridae, Lonchodinae, and Carausius, with *Carausius morosus* as the final leaf node. To the right of the taxonomy tree is a "How to navigate" guide. Below the taxonomy tree are sections for "PSG Culture List Record" (listing locality as India) and "Bibliography" (listing a single reference by T. S. Williams). On the left sidebar, there are sections for "Phasmid Information" (with links to Phasmid Anatomy, World Phasmid Catalogue, Phasmofacts, Phasmid FAQs, and Phasmid Knowledge Base), "PSG Information" (with links to History of the PSG, How To Join the PSG, PSG Culture List, Fortinbras Timeline, and PSG News), and "Create Content" (with links to Bio, Log entry, Body, Culture cut/paste, Filament, and Premium care).

Browsed through a taxonomy

The screenshot shows the Phasmid Study Group Scratchpad interface. The top navigation bar includes "Home", "Species Catalogue", "Forums", "Development", and "Blog". The main content area is titled "Carausius morosus" and contains several panels: "Phasmid Information" (with links to Morphology, Taxonomy, and Phylogeny), "PSG Information" (with links to History, Logbook, Publications, and References), "Create Content" (with links to Bio, Log entry, Body, Culture cut/paste, Filament, and Premium care), "PSG Culture List Record" (with a detailed form for entering culture information), "Bibliography" (with a detailed form for entering bibliographic references), "Specimens" (with a detailed form for entering specimen information), "Tools" (with a detailed form for entering tool information), "Wiki Images" (with a detailed form for entering image information), "Map" (a world map showing distribution), "Subjects" (a detailed form for entering subject information), "Google Scholar" (a search interface for Google Scholar), and "Biodiversity Heritage Library" (a search interface for the Biodiversity Heritage Library). A "Help" section is also present.

Taxon Pages

Integrating data & “publishing” in a Scratchpad



Web Images

GBIF Map

Wikipedia

Carausius morosus (the 'common', 'Indian' or 'laboratory' stick insect) is a species of phasmid that is often kept by schools and individuals as pets. Culture stocks originate from an original collection from Tamil Nadu, India. Like the majority of the phasmatoidea, they are nocturnal. Culture stocks are parthenogenetic females that can reproduce without mating. There are no reports of males, although in captivity gynandromorphs (individuals with both female and male characteristics) are sometimes reared.

Google scholar

The function of the legs in the free walking stick insect, *Carausius morosus*

The control of the anterior extreme position of the hindleg of a walking insect, *Carausius morosus*

Sensory control of leg movement in the stick insect *Carausius morosus*

Organisation of walking movements in the 1st instar and adult stick insect

Biodiversity Heritage Library

Bibliographia zoologica. (1 page)

The Biological bulletin. (1 page)

Biologisches Zentralblatt. (1 page)

BIOSPEX, Biological space experiments : (3 pages)

Bulletin de la Société zoologique de France. (1 page)

Bulletin de la Société nationale d'acclimation de France. (3 pages)

Carotenoids. (2 pages)

NCBI

Including 3rd party content

Taxon Pages

Adjusting the layout

The screenshot shows the Phasmid Study Group website's panel configuration interface. At the top, there are tabs for Home, Image Galleries, Forums, Development Blog, and Administer. Below this, the main navigation includes Home, Preview, Layout, Settings, Layout settings, Advanced, Context, Content (which is selected), and Export.

The Content tab displays a grid of panels. A tooltip for the 'Custom' panel in the 'Row 1, Column 2' position reads: "Custom (How to navigate)*" and "Custom (How to navigate)".

The panels include:

- Top: Tinytax Block for Phasmid Taxonomy (with a tooltip "Tinytax Block for Phasmid Taxonomy")
- Left: Images (with a tooltip "Images")
- Right: Vernacular Names (with a tooltip "Vernacular Names")
- Center: (empty)
- Left: PSG Culture List Record (with a tooltip "PSG Culture List Record")
- Right: Bibliography (with a tooltip "Bibliography")
- Left: Specimens (with a tooltip "Specimens")
- Right: Tree (with a tooltip "Tree")

A large callout arrow points from the text "Control what to display" at the bottom to the "Custom" panel in the second row.

Control what to display

n.b. Taxon page tools have since been updated

Available Panels for Taxon Pages

Internal Data

- Specimens
- Images
- Bibliographic refs
- Blogs

External Data

- References from Biodiversity Heritage Library, Google Scholar
- Images from MorphBank, Flickr, Yahoo
- GBIF Maps
- More

Go!

Taxonomy

- Animalia (1)
- Arthropoda (3)
- Insecta (28)
- Hymenoptera (104)
- Formicidae (1)
- Wasmannia (1)
- Wasmannia europunctata

Who's online

There are currently 1 user and
3 guests online.

Online users

- Aubrey Moore



Content

- biblio
- Biography
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Hypolimnus octocula marianensis sighting

Wasmannia europunctata

Flickr Images



Sort ↗ ↘

Yahoo! Images

Sort ↗ ↘

We have no content for this dynamic view

Biodiversity Heritage Library

Sort ↗ ↘

- American fern journal. (4 pages)
- Annales de la Société entomologique de Belgique. (1 page)
- Annales de la Société entomologique de France. (1 page)
- Annals of the Missouri Botanical Garden (1 page)
- Archiv für Naturgeschichte. (2 pages)
- Archiv für Naturgeschichte. (1 page)
- Biologia Centrali-Americanana : (1 page)
- Biologia Centrali-Americanana; (1 page)
- Bulletin - American Museum of Natural History. (2 pages)
- Bulletin of miscellaneous information / (1 page)
- Bulletin of the Museum of Comparative Zoology at Harvard College. (2 pages)
- Bulletin of the U.S. Department of Agriculture. (3 pages)

Google Scholar

Sort ↗ ↘

- Changes in the native fauna of the Galapagos Islands following invasion by the little red fire ant, Wasmannia europunctata
- The tramp ant Wasmannia europunctata: autecology and effects on ant diversity and distribution on Santa Cruz Island, Galapagos

Likes & Dislikes

- The Scratchpad template was not specifically designed as a collections database management system (DBMS)
- Missing features: label printer, loans forms, etc.
- Useful features not commonly found in collections DBMS:
 - Blogs and forums (for incidental observations, special projects)
 - Group pages with restricted access (bed bug reports, rare butterfly sightings)

Likes

- Free hosting, backups, development
- No installation: all interaction via web browser
- Open source will allow me the option of "rolling my own" site if I choose to
- Display of images at variable resolutions is good
- Darwin Core data standards used for specimens and locations
- Automatic discovery of associated data on the web via "Taxon Pages"

Dislikes

- Batch import of data is extremely slow
- Having problems merging imported data with existing data when importing taxonomic hierarchies
- No direct access to underlying MySQL database for ad hoc queries using SQL
 - Note: the Drupal Views Module can be used to do almost anything with the data, if you know how to use it

Dislikes



Scrachpads: the name is lame

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- Simon Rycroft
- Vince Smith
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Links to More Info

- Scratchpads: a data-publishing framework to build, share and manage information on the diversity of life. BMC Bioinformatics 2009 10(Suppl. 14). [PDF](#)
- Streamlining taxonomic publication: a working example with Scratchpads and ZooKeys. ZooKeys 2010 (50) 17-28. [PDF](#)
- [Scratchpads Sand Box](#)