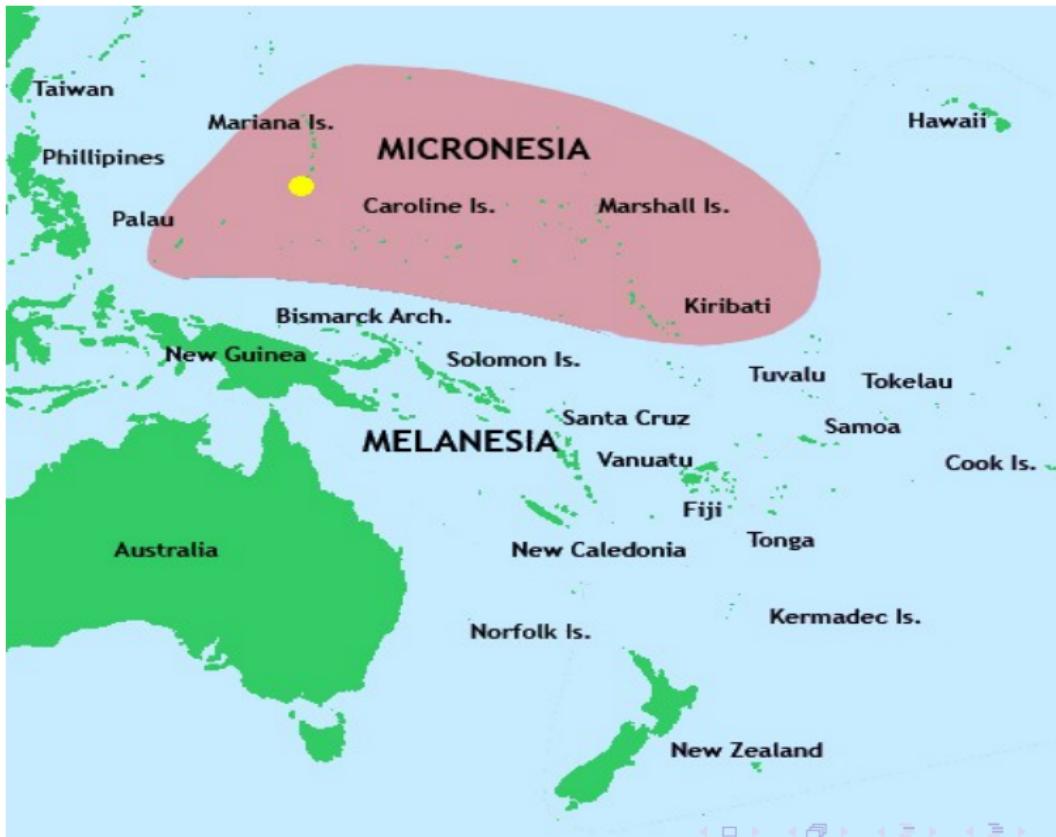


Evaluation of a Scratchpad Template as an Online Database for the University of Guam Insect Collection



Aubrey Moore
Extension Entomologist
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



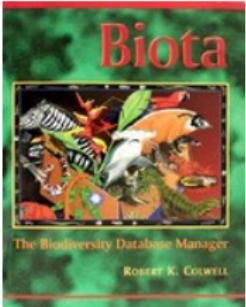
Wilfred Leon Guerrero Museum of Entomology

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



BioLink®

Digitization

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..." above 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, there's a section titled "Your data" showing logos for various data sources like Google, NCBI, and Wikipedia. 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". A note indicates "1048 reads".

<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)
 - Galeoporidae (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 title "Scratchpads biodiversity online" is prominently displayed at the top center.

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 includes several windows:

- A main window titled "Taxonomy | Scratchpad Sandbox" showing a tree view of "Primates" with sub-clusters like "Lorisidae" and "Haplorrhini".
- An "Import" window titled "Scratchpad Sandbox" showing options for "Batch Import" or "Import from Tax File".
- A "Content" window showing various project types like "Blog entry", "Character project", and "Forum topics".
- A "test" window showing a simplified taxonomy view with "Loris" and "Loris tardigradus (L)".
- A "Edit" window titled "Scratchpad | Taxonomy" showing a detailed tree view of "Primates" and other taxonomic ranks like "Species" and "Genus".
- A "Pediculus Linnaeus, 1758" window showing detailed information for the species, including "Taxonomic Rank: genus", "Relation to Pediculidae Leach, 1817: taxonomic child", and "Original Published Description".
- A "Taxonomic Notes" window.

The interface features a top navigation bar with links for Help, Bibliography, Contact us, and Forums. A sidebar on the left provides quick access to various functions and links.

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

- Primates (14)
- Callitrichidae (4)
- Cebidae (7)
- Cercopithecidae (18)
- Chirogaleidae (4)
- Daubentonidae (1)
- Hylobatidae (2)
- Hominoidea (4)
- Hylobatidae (1)
- Indriidae (3)
- Lemuridae (4)
- Loridae (4)
- Megaladapidae (1)
- Pitheciidae (4)

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 List

Sort by: Author Keyword

2001

Williams, LK, Reichert, J. 2001. *Susceptibility of British head lice, Pediculus capitis, to imidacloprid and fipronil*. *Medical and Veterinary Entomology*, 14:105-107. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

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. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

Levitt, G. 2000. *Resistance and control of lice on humans and production animals*. *International Journal for Parasitology*, 30:291-297. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

Amenighi, MHD, 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. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

1999

Burkhardt, CN, Burkhardt CG, Gunning WT, Arbogast J. 1999. *Scanning electron microscopy of human head louse (*Anoplura*: *Pediculidae*) egg and its clinical ramifications*. *Journal of Medical Entomology*, 36:454-456. [Access Tagged XML](#) [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. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

test

Done

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

The Sandbox was last updated 09:20 (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 List

Sort by: Author Keyword

2001

Williams, LK, Reichert, J. 2001. *Susceptibility of British head lice, Pediculus capitis, to imidacloprid and fipronil*. *Medical and Veterinary Entomology*, 14:105-107. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

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. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

Levitt, G. 2000. *Resistance and control of lice on humans and production animals*. *International Journal for Parasitology*, 30:291-297. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

Amenighi, MHD, 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. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

1999

Burkhardt, CN, Burkhardt CG, Gunning WT, Arbogast J. 1999. *Scanning electron microscopy of human head louse (*Anoplura*: *Pediculidae*) egg and its clinical ramifications*. *Journal of Medical Entomology*, 36:454-456. [Access Tagged XML](#) [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. [Access Tagged XML](#) [BibTeX](#) [Google Scholar](#)

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 history
- Regist
- Registogenic tree
- All
- Profile
- Search (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)
 - Chirogaleidae (4)
 - Daubentonidae (1)
 - Gelobronchidae (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

Diplodocus - Dicroidium

Kentrosaurus - Kentrosaurus

Carnotaurus - Carnotaurus

Dromaeosaurus albentensis - Dromaeosaurus

Iguanodon.jpg

View Image Details

- Download Original

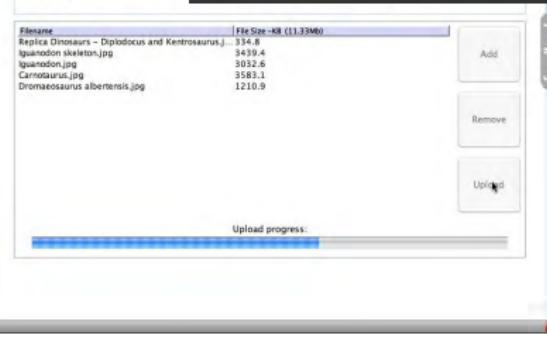
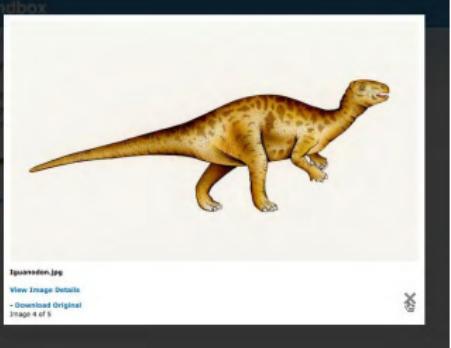
Image 4 of 9

Add

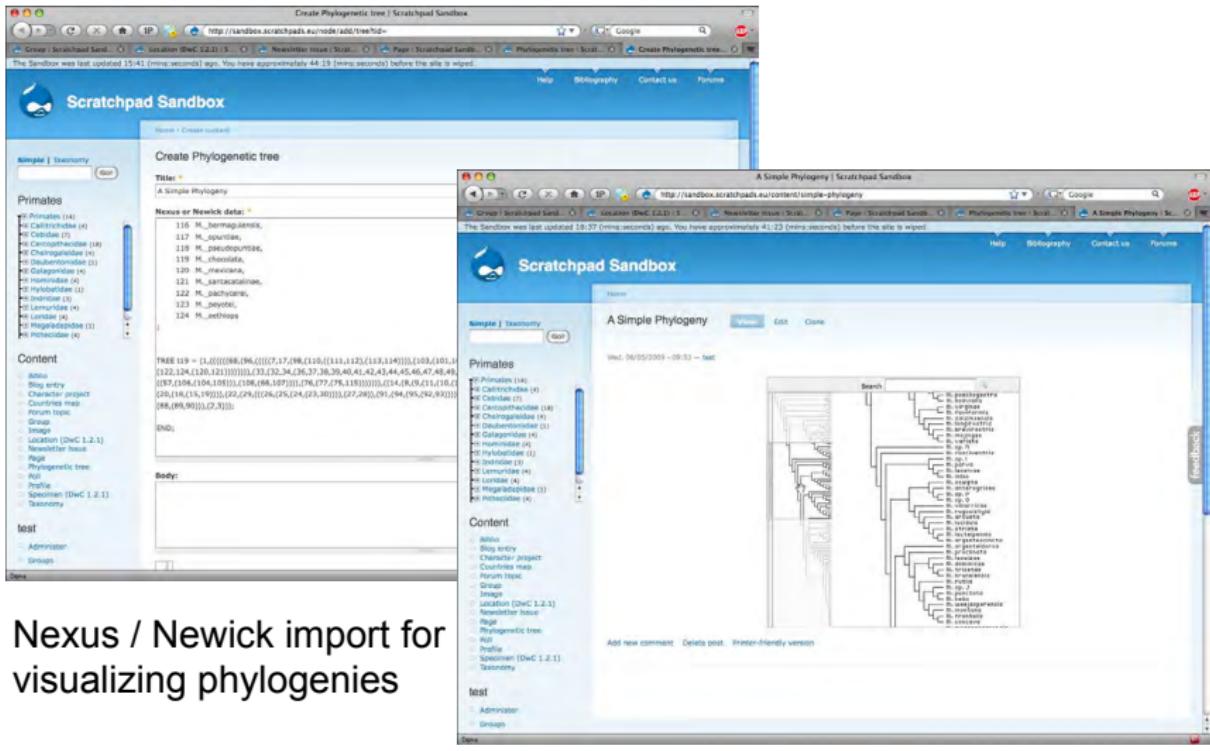
Remove

Upload

Upload progress:



Phylogeny



Character Matrices

The screenshot shows a web-based application for managing biological data, specifically a character matrix. The main title is "Test Matrix | Scratchpad Sandbox". The left sidebar includes links for "Simple", "Taxonomy", "Content" (with options like Blog, BioProject, Character project, Countries map, Forum topic, Group, Location, Location (DWc 1.2.1), Newsletter issue, Page, Phylogenetic tree, Poll, Profile, Specimen (DWc 1.2.1), and Taxonomy), "test" (with Administer, Groups, and My Unread), and a "Done" button.

The central area is titled "Test Matrix" and displays a table of characters for "Primates". The columns are labeled "head characters" and "Thoracic characters". The rows list various primate species: Cebidae, Alouatta, Alouatta bezelbei (Linnaeus, 1766), Red-handed howler monkey, Alouatta caraya (Humboldt, 1812), Black howler monkey, Alouatta cobsensis Thomas, 1902, Coiba howler monkey, Alouatta fusca (É. Geoffroy Saint-Hilaire, 1812), Brown howler monkey, and Alouatta palliata (Gray, 1849). Each row contains numerical values (e.g., 1, 1.2, A) and text descriptions (e.g., "Textual description 1", "Textual description 2").

Below the table, there is an "Edit character state" section for "Thorax" and an "Attribute notes" field with a text input area and a "Save now" 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)
- Indriidae (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
- Series
- Fossil Specimen
- Machine Observation
- Other
- Living Specimen
- Herbarium Specimen
- Other Specimen
- Preserved Specimen
- Sound Recording
- Still Image
- Text

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 created, 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" with the message "You may post new topics to this forum by email: general@scratchpad.scratchpad.eu". Below this, there is a table showing three 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

On the left sidebar, there are sections for "Primates" (with 14 items), "Content" (including "Blog", "Blog entry", "Character project", "Countries map", "Forum topic", "Group", "Image", "Location (DWC 1.2.1)", "Newsletter issue", "Phylogenetic tree", "Page", "Profile", "Scratchpad (DWC 1.2.1)", "Taxonomy"), "test" (with "Administrator", "Objects", "My Unread" items), and "More".

Web fora with e-mail integration

The screenshot shows a "Create Blog entry | Scratchpad Sandbox" dialog box. The title field contains "My first blog entry". The body field has 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 field are "Path ID" and "Disable rich-text" buttons. On the right side of the dialog, there is a preview area with the heading "Scratchpad Sandbox" and the text "Create a simple web page with images for static content."

User blogs

The screenshot shows a "Create Newsletter issue | Scratchpad Sandbox" dialog box. The title field contains "My First News Letter". The body field has the text "Scratchpad Newsletter Number 1". Below the body field are "Newsletter" and "Newsletter" buttons. On the right side of the dialog, there is a preview area with the heading "Scratchpad Newsletter Number 1" and the text "Newsletters' with e-mail integration".

Static web pages

Newsletters' 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 shows several files and folders under "Desktop":

- DEVICES
- ENTERPRISE
- ZOOMA
- PLACES
- VMS

Specific files listed include:

- Checklist.xls
- Coverally -> SLIDES.doc
- D21 Survey design.pdf
- D3.1.2 Risk design.pdf
- DDK Images.ZIP
- DefText.Data
- DefText.xls
- EDT Logo.jpg
- EDT Logo.XML.jpg
- Figure1
- Figure2
- Films.txt

At the bottom of the dialog are "Cancel" and "Open" buttons.

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 shows the 'User management' section, which includes a list of users and their details.

Simple & advanced admin.

A screenshot of the Scratchpad Sandbox administration interface showing the 'Create Group' page. It includes fields for 'Title' (e.g., 'Scratchpad test group'), 'Description', and checkboxes for 'Use as private category' and 'Show this group in the group page'. A preview of the group's content is also visible.

Private Groups

A screenshot of the Scratchpad Sandbox administration interface showing the 'Create Profile' page. It includes fields for 'Name', 'Family name', 'Birthdate', 'Gender', and 'Phone number'. Below these are sections for 'Menu settings' (with a 'Profile skin' dropdown) and 'Parent info' (with a 'Profile picture' dropdown).

Customized user profiles

A screenshot of the Scratchpad Sandbox administration interface showing the 'AutoTag content' configuration page. It includes sections for 'Terms to use' (with examples like 'Customer profile') and 'Terms to ignore' (with examples like 'Customer address'). 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](#).

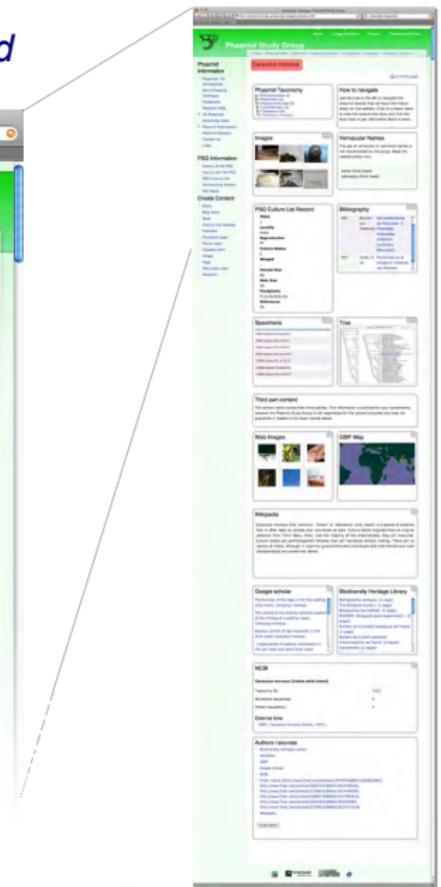
Indian Stick Insect
Laboratory Stick Insect

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

Carauus morosus | Phasmid Study Group

<http://phasmid-study-group.org/category/species/397>

Home · Phasmid Collection · Forum · Development · Blog

Phasmid Study Group

Species: **Carauus morosus**

Overview · Details · Client · Export · Settings · Print this page

Phasmid Taxonomy
Orthopteroidea (3)
Phasmidae (10)
Diapheromeridae (5)
Lonchodinae (13)
Carauus (10)
Carauus morosus

How to navigate
 Use the tree to the left to navigate the information. Click the tree nodes to expand them.

PSG Information
 History of the PSG · How To Join the PSG · PSG Culture List · Fortnightly Events · PSG News

Create Content
 Billing · Log entry · Book · Cultural List · Species · Filament · Premium cage

PSG Culture List Record
PSG#: 1
Locality: India
Reproductive Status: Reproductively Active

Bibliography



Browsed through a taxonomy

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. On the left, a sidebar lists various panels: Top, Left, Right, Center, and two additional Left and Right panels for the Row 1, Column 2 position. Each panel contains a list of components, such as 'Tinytax Block for Phasmid Taxonomy' or 'Bibliography'. A red dashed box highlights the 'Row 1, Column 2' panel, which contains a 'Custom (How to navigate)' component. A tooltip for this component says: 'Custom (How to navigate)* Click the title bar of any pane to drag-and-drop it into another panel. Click the add pane button (+) in any panel to add more content. Click the configure (c) button on any pane to re-configure that pane. Click the cache (c) button to configure caching for that pane specifically. Click the show/hide (s) toggle button to show or hide that pane. Panes hidden in this way will be hidden from everyone until the hidden status is toggled off.' On the right, the main content area displays the website's homepage with a green header and navigation menu.

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
- Irina Brake

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](#)