

***Collaborative  
indexing: towards  
the universal index***

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[www.webindexing.biz](http://www.webindexing.biz)

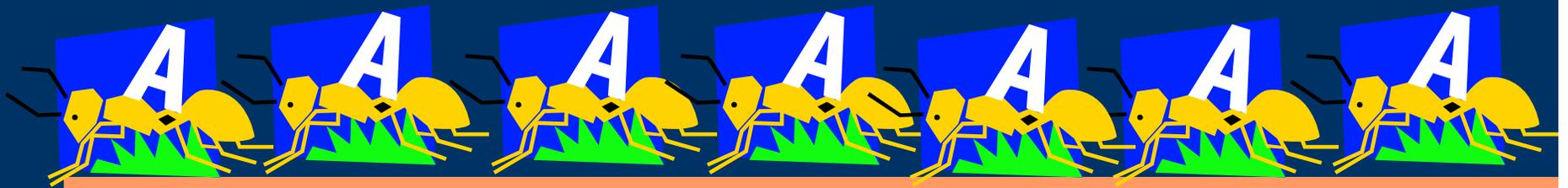
[webindexing@optusnet.com.au](mailto:webindexing@optusnet.com.au)

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# *Collaborative indexing*

- Indexing more important than ever, to deal with vast quantities of unstructured information.
- Collaborative indexing shares the workload.
- Collaborative indexing can be formal or informal.
- Web-based services enable the creation of 'de facto' indexes.
- Basedex has been written to enable the creation of small indexes which can be combined into a 'universal' index for the web



*The information universe is too  
big to index...*



*and too big not to index!*



# One solution

- Selective indexing by a distribution of indexers?

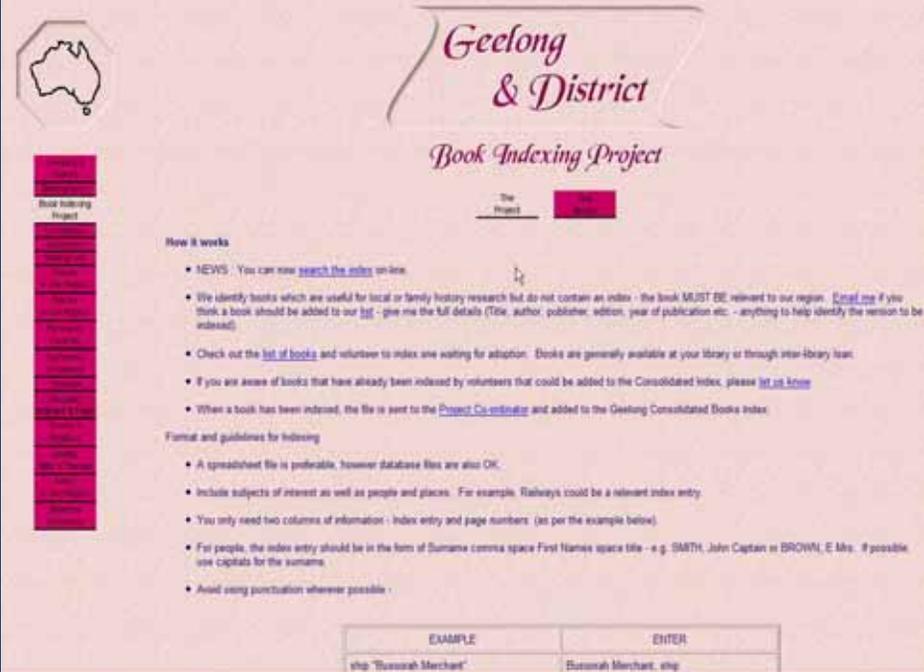


# *Collaborative indexing – books*

- Index Society (1877) – created to construct a general index to all knowledge.
    - Many readers would readily jot down the name of any new subject they meet with in the book before them, and the page on which it occurs, and forward their notes to be sorted and arranged by any Society that would undertake the work (p.38).
    - I have heard two objections brought against the scheme of the Society:
      1. That it is needless to urge the compilation of indexes, because every worker worthy of the name makes his own...
      2. That the General Index is an impossibility, and that to attempt its preparation is a waste of time. Those who hold this opinion have not sufficient faith in the simplicity and usefulness of the alphabet...The object of the General Index is just this, that anything, however disconnected, can be placed there, and much that would otherwise be lost will there find a resting place (p.40).
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# Collaborative indexing – genealogy

- Genealogical indexes for cemetery inscriptions, school and hospital records, public shipping and BDM records.
  - consistency in fields and wording



**Geelong & District Book Indexing Project**

**How it works**

- NEWS: You can now [search the index](#) online.
- We identify books which are useful for local or family history research but do not contain an index - the book MUST BE relevant to our region. [Email me](#) if you think a book should be added to our list - give me the full details (Title, author, publisher, edition, year of publication etc. - anything to help identify the version to be indexed).
- Check out the [list of books](#) and volunteer to index one waiting for adoption. Books are generally available at your library or through inter-library loan.
- If you are aware of books that have already been indexed by volunteers that could be added to the Consolidated Index, please [let us know](#).
- When a book has been indexed, the file is sent to the [Project Co-ordinator](#) and added to the Geelong Consolidated Books Index.

**Format and guidelines for indexing**

- A spreadsheet file is preferable, however database files are also OK.
- Include subjects of interest as well as people and places. For example, Railways could be a relevant index entry.
- You only need two columns of information - index entry and page numbers (as per the example below).
- For people, the index entry should be in the form of Surname comma space First Name space title - e.g. SMITH, John Captain or BROWN, E Mrs. If possible, use capitals for the surname.
- Avoid using punctuation wherever possible.

EXAMPLE	ENTER
ship "Bussanah Merchant"	Bussanah Merchant, ship

# *Collaborative indexing – web directories*

- Librarians' Internet Index – [lii.org](http://lii.org)
- Open Directory Project – [dmoz.org](http://dmoz.org)
- Mahalo alpha – [mahalo.com](http://mahalo.com)



# Index structure – home page and related terms

Mahalo Homepage

Harry Potter and the Order of the Phoenix

Categories: Entertainment | Film | Contemporary Films

## Harry Potter and the Order of the Phoenix

[Login](#)  [Create Account](#)

**Guide Note:**  
Harry Potter and the Order of the Phoenix is the fifth fantasy novel by [J.K. Rowling](#) in the [Harry Potter](#) series. The film is being produced by Warner Bros...

**Fast Facts:**

1. US Release: July 11, 2007
2. Running time: 138 min
3. Budget: \$150-200 million
4. Director: David Yates
5. Cast: [Daniel Radcliffe](#), [Emma Watson](#), [Rupert Grint](#)

**The Mahalo Top 7**

1. Official WB Site: [Harry Potter and the Order of the Phoenix](#)
2. Official Film Site: [Harry Potter and the Order of the Phoenix](#)
3. Wikipedia: [Harry Potter and the Order of the Phoenix](#) Film and Novel
4. Harry Potter Wiki: [Harry Potter and the Order of the Phoenix](#)
5. MySpace Page: [Harry Potter and the Order of the Phoenix](#)
6. IMDb: [Harry Potter and the Order of the Phoenix](#) 

## Antidepressants: Related Searches

[Depression](#) | [Seasonal Affective Disorder \(SAD\)](#) | [Bipolar Disorder](#) | [Anxiety Disorder](#)

# Index structure – subheadings

Mahalo Homepage

Antidepressants

Categories: Health | Drugs | Mental Health

## Antidepressants

### The Mahalo Top 7

1. Wikipedia: [Antidepressant](#)
2. American Academy of Family Physicians (AAFP): [Antidepressants: Medicine for Depression](#)
3. MayoClinic.com: [Antidepressants: Selecting one that's right for you](#)
4. MedlinePlus: [Antidepressants](#)
5. eMedicineHealth: [Understanding Antidepressant Medications](#)
6. Food and Drug Administration (FDA): [About Using Antidepressants in Children or Teenagers](#)
7. Health Place: [Antidepressants: Medications for Depression](#)

### Antidepressants News

National Institute of Mental Health (NIMH): [Benefits of Antidepressants May Outweigh Risks](#)

HealthDay: [Suicide Attempts Fall After Depression Treatment Begins \(2007\)](#)

HealthDay: [Mom's Antidepressant Use Poses Little Danger to Baby \(2007\)](#)

Reuters: [Antidepressants weaken bones in elderly \(2007\)](#)

### Antidepressants Basics

Wikipedia: [Antidepressant - History](#)

eMedicineHealth: [Understanding Antidepressant Medications](#)

MayoClinic.com: [Antidepressants: Selecting one that's right for you](#)

WebMD: [All About Antidepressants](#)

### Antidepressants Uses

AAFP: [Antidepressants: Medicine for Depression](#)

MedlinePlus: [Depression](#)

FDA: [Medication Guide: About Using Antidepressants in Children or Teenagers](#)

NIMH: [Depression](#)

WebMD: [Depression: Medication Options](#)

### Antidepressants Side Effects, Interactions and Precautions

# Wiki terms – disambiguation



The screenshot shows a Wikipedia page for 'Quetzal (disambiguation)'. At the top left is the Wikipedia logo, a globe with various characters, and the text 'WIKIPEDIA The Free Encyclopedia'. Below the logo are two navigation sections: 'navigation' with links for Main page, Contents, Featured content, Current events, and Random article; and 'interaction' with links for About Wikipedia, Community portal, Recent changes, and File upload wizard. The main content area has tabs for 'article', 'discussion', 'edit this page', and 'history'. The title is 'Quetzal (disambiguation)'. Below the title is the text 'From Wikipedia, the free encyclopedia'. The main text says 'Quetzal can refer to:' followed by a bulleted list of five items: 'Quetzal, a group of colourful birds of the trogon family found in tropical regions of the Americas. Quetzal is also ofte...', 'Guatemalan quetzal, the currency of Guatemala', 'Quetzal file format, the computer file format', 'The Resplendent Quetzal, a short-story by Margaret Atwood', and 'Quetzal (band), a music band from East Los Angeles'. The last item is 'Puerto Quetzal, Guatemala's largest Pacific Ocean port'. Below the list is a paragraph starting with a hand icon and the text 'This disambiguation page lists articles associated with the same title. If an internal link led you here, you may want to change the link to point directly to the intended article.' At the bottom of the page is a box labeled 'Category: Disambiguation'.

WIKIPEDIA  
The Free Encyclopedia

navigation

- Main page
- Contents
- Featured content
- Current events
- Random article

interaction

- About Wikipedia
- Community portal
- Recent changes
- File upload wizard

article discussion edit this page history

## Quetzal (disambiguation)

From Wikipedia, the free encyclopedia

**Quetzal** can refer to:

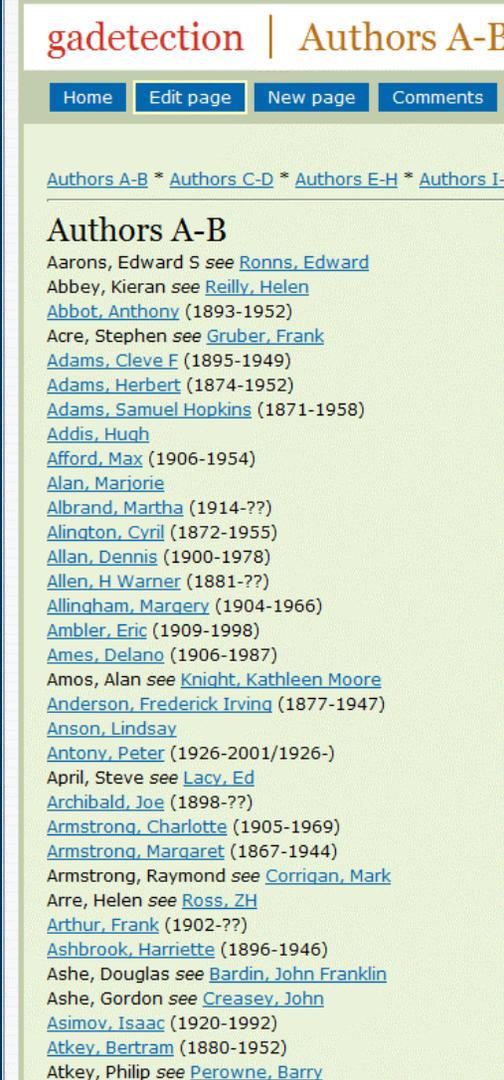
- **Quetzal**, a group of colourful birds of the trogon family found in tropical regions of the Americas. Quetzal is also ofte
- **Guatemalan quetzal**, the currency of Guatemala
- **Quetzal file format**, the computer file format
- *The Resplendent Quetzal*, a short-story by Margaret Atwood
- **Quetzal (band)**, a music band from East Los Angeles
- **Puerto Quetzal**, Guatemala's largest Pacific Ocean port

 This disambiguation page lists articles associated with the same title. If an *internal link* led you here, you may want to change the link to point directly to the intended article.

Category: Disambiguation

# Wiki terms – names

- Golden Age of Detective Fiction wiki – [gadetection.pbwiki.com/Authors+A-B](http://gadetection.pbwiki.com/Authors+A-B)



The screenshot shows a web browser window displaying the 'Authors A-B' page on the 'gadetection' wiki. The page title is 'Authors A-B' and it features a navigation bar with buttons for 'Home', 'Edit page', 'New page', and 'Comments'. Below the navigation bar, there are links for 'Authors A-B', 'Authors C-D', 'Authors E-H', and 'Authors I-'. The main content area lists authors in alphabetical order, with each name followed by a link to their page and their lifespan in parentheses. The authors listed include: Aarons, Edward S (see Ronns, Edward); Abbey, Kieran (see Reilly, Helen); Abbot, Anthony (1893-1952); Acre, Stephen (see Gruber, Frank); Adams, Cleve F (1895-1949); Adams, Herbert (1874-1952); Adams, Samuel Hopkins (1871-1958); Addis, Hugh; Afford, Max (1906-1954); Alan, Marjorie; Albrand, Martha (1914-??); Alington, Cyril (1872-1955); Allan, Dennis (1900-1978); Allen, H Warner (1881-??); Allingham, Margery (1904-1966); Ambler, Eric (1909-1998); Ames, Delano (1906-1987); Amos, Alan (see Knight, Kathleen Moore); Anderson, Frederick Irving (1877-1947); Anson, Lindsay; Antony, Peter (1926-2001/1926-); April, Steve (see Lacy, Ed); Archibald, Joe (1898-??); Armstrong, Charlotte (1905-1969); Armstrong, Margaret (1867-1944); Armstrong, Raymond (see Corriqan, Mark); Arre, Helen (see Ross, ZH); Arthur, Frank (1902-??); Ashbrook, Harriette (1896-1946); Ashe, Douglas (see Bardin, John Franklin); Ashe, Gordon (see Creasey, John); Asimov, Isaac (1920-1992); Atkey, Bertram (1880-1952); and Atkey, Philip (see Perowne, Barry).

# Wiki terms – names, topics

- WireFrames [redirected from WireFrame]
- CMS/ContentManagementSystems
- CardSort [software] / CardSorting [technique]
- CategoryBook [individual] / CategoryBooks [lists]
- CXO files before CafeTesting

43. AmbientFindability
44. AmitTungare
45. AnalysisTools
46. AndiLewis
47. AndreaTanzi
48. AndresSulleiro
49. AndrewBoyd
50. AndrewCates
51. AndrewChee
52. AndrewDillon
53. AndrewGent
54. AndrewHinton
55. .... / IARants
56. AndrewOtwell
57. AndrewsInIA
58. AndrésSulleiro
59. AnnaGifford
60. AntiThesaurus

# *Commercial indexing*

- Periodical abstracting and indexing services (bibliographic databases)
    - long-term projects
    - professional staff
    - centralised control, including use of thesauruses
    - search techniques include proximity, fielded searching
    - expensive; subscription or pay-per-use
    - library service, eg,  
[www.sl.nsw.gov.au/databases/athome.cfm](http://www.sl.nsw.gov.au/databases/athome.cfm)
  - Aggregating services/ePresses
    - [www.informit.com.au](http://www.informit.com.au)
    - centralised searching interfaces being developed
- 
-

# *Problems with indexing*

- Professional indexing is:
  - expensive
  - time-consuming (delays in access)
  - formal and controlled (often)
- Users don't always speak the language of expert indexers...  
...so, social tagging lets users index (tag) sites for themselves and others.

# Social tagging

**common tags** [cloud](#) | [list](#)

[basedex](#) [collaboration](#) [collaborative](#) [index](#) [rails](#)  
[ruby](#) [rubyonrails](#)

## posting history

» first posted by [Shanlalit](#) to rails

Jun '07

by [lgsicious](#) to [collaboration](#) rails [api](#) [list](#) [collaborative](#) [index](#)  
ruby [basedex](#)

Mar '07

by [pilarw](#) to [basedex](#) [collaborative](#) [index](#) [indexes](#)

by [wwwalker](#) to [rubyonrails](#) [index](#) [basedex](#) [collaboration](#)

by [GlendaIndexer](#) to [basedex](#) [website\\_indexing](#)

by [racketjo](#) to [basedex](#) [web](#) [index](#) [useful](#) [ruby](#) rails  
rubyonrails [ror](#)

by [hsumh316](#) to rails

by [kaizenfury7](#) to rails

Feb '07

by [hajee](#) to rails

by [Shanlalit](#) to rails

# *Social tagging*

- But...users do not necessarily speak the same language as other users.
    - Tags such as ‘odd’, ‘cool’, ‘must read’, ‘own’
    - Recall decreases through inconsistent wording:
      - ‘information architecture’,
      - ‘information\_architecture’,
      - ‘informationarchitecture’ and ‘IA’.
  - Formal indexes have a set of basic principles which are (usually) understood.
- 
-

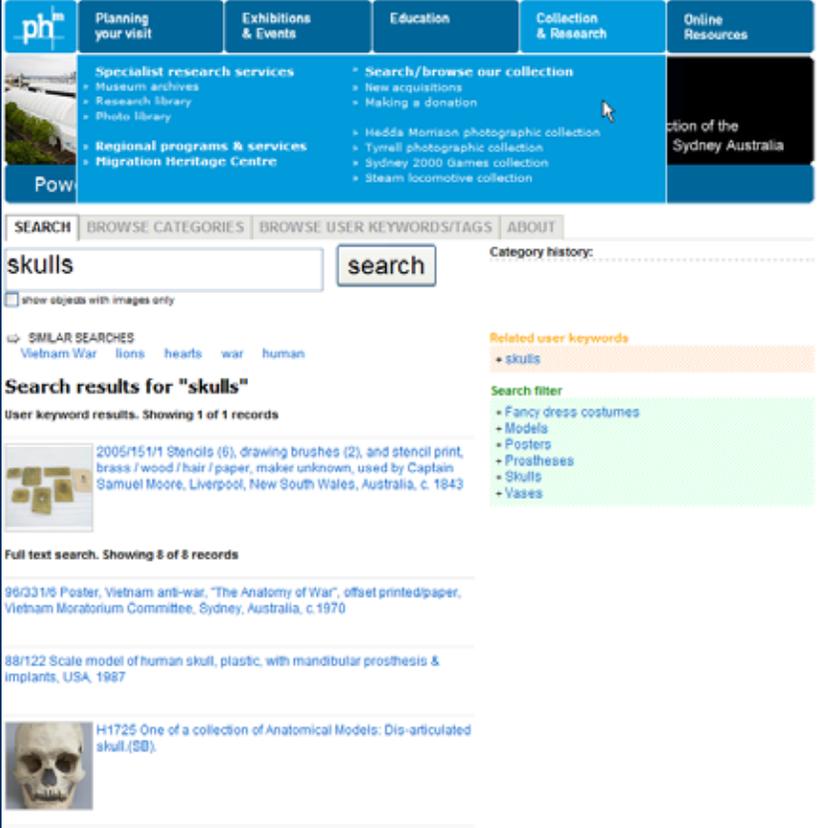
# *Institutional social tagging*

- ‘PictureAustralia’ under the ‘groups’ tab in flickr ([www.flickr.com/groups/pa\\_ourtown](http://www.flickr.com/groups/pa_ourtown))
- Tagging of museum objects at [steve.museum](http://steve.museum)



# *Institutional social tagging*

- Powerhouse Museum (www.powerhousemuseum.com/collection/database) – user-generated tags are combined with three controlled vocabularies



The screenshot displays the Powerhouse Museum website's search interface. The top navigation bar includes links for 'Planning your visit', 'Exhibitions & Events', 'Education', 'Collection & Research', and 'Online Resources'. The 'Collection & Research' section is expanded, showing options like 'Specialist research services', 'Regional programs & services', and 'Search/browse our collection'. The search results for 'skulls' are displayed, including a search bar, a 'search' button, and a list of results. The results are categorized into 'User keyword results' and 'Full text search'. The 'User keyword results' section shows a single record for a stencil print by Samuel Moore, with a thumbnail image. The 'Full text search' section shows two records, including a poster from 1970 and a scale model of a human skull from 1967. The 'Related user keywords' section lists 'skulls' and 'Search filter' with sub-items like 'Fancy dress costumes', 'Models', 'Posters', 'Prostheses', 'Skulls', and 'Vases'.

# Page creators as metadata-based indexers



The screenshot shows the JCU A-Z Index website. At the top, there is a navigation bar with links for Web Sitemap, Search, A-Z Index, Contacts, Bulletins, Campus Maps, and Events. Below this is a secondary navigation bar with links for Information For (Prospective Students, International Students, Current Students, Visitors, Staff, Jobs at JCU) and Information About (The University, Research, Teaching, Courses & Degrees, Faculties & Divisions, Library & Computing). The main content area is titled "A to Z Index" and includes a note: "(If you are looking for online forms, try the [Forms Index](#)). Updated: Mon 28 May, 15:59". A horizontal menu lists letters from Z to A. The "A" section is expanded, showing a list of links for the letter 'A', including "AAC, see [Advanced Analytical Centre \(AAC\)](#)", "Academic Advisors, see [Associate Deans](#)", "Academic Calendar - 2003", "Academic Calendar - 2004", "Academic Calendar - 2005", "Academic Calendar - 2005", "Academic Calendar - 2006", "Academic Calendar - 2007", "Academic Information and Student Handbooks", "Academic Promotions, see [Academic Promotions Policy - Lecturer, Senior Lect](#)", "Academic Promotions, see [Academic Promotions Policy - Professor](#)", "Academic Promotions Policy - Lecturer, Senior Lecturer, Associate Professor/...", "Academic Promotions Policy - Professor", "Academic records", "Academic Support Service", "Accommodation Service", "Accounting Discipline, see [Business, School of](#)", "Accounting Discipline, see [Business, School of](#)", "Accounting, Internet, see [Resource Accounting](#)", "Adobe Software - Contractual License Agreement, see [Software Licensing Ag](#)", "Advanced Analytical Centre (AAC)", "Age-based Discrimination & Harassment", "Age-based Discrimination & Harassment", "Ageism, see [Age-based Discrimination & Harassment](#)", "Ageism, see [Age-based Discrimination & Harassment](#)", and "Agricultural Science, Bachelor of Tropical".

# *Structured collaborative indexing – Basedex*

- Basedex by Nelson Hsu ([blazingrails.basedex.com](http://blazingrails.basedex.com)) is a new website indexing program, still in beta.
- It allows the creation of individual indexes which can be used alone or in combination with other indexes.



# *Basedex contributors and users*

- Individuals choose topics or documents to create indexes on.
  - These topics are grouped hierarchically.
  - People 'subscribe' to indexes, combining those which are of interest to them.
  - This could include indexes to a number of websites, or to a selection of ebooks, or both.
  - The result is a large index to a selected portion of the web.
  - The motivation for creating indexes will range from good will to self-promotion.
- 
-

# Basedex topic lists and duplicates

Basedex (v.notdone) [basedex](#) | [discussion](#) | [blog](#) | [join](#) | [contact us](#) | [help](#) [login](#)

Index: [Universe](#)

[all](#) [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [S](#)

[everything](#) [current index](#)

**top-level indexes**  
[Universe](#)

**super topics**

**sub topics**  
[Academia](#)  
[Apple](#)  
[Asian Culture](#)  
[Basedex Help](#)  
[Books](#)  
[Career](#)  
[Cars](#)  
[Cell Phones](#)  
[Computers](#)  
[Education](#)  
[Entertainment](#)  
[Fashion](#)  
[Finance](#)  
[Forums](#)  
[Howto](#)  
[Humor](#)  
[Indexing](#)  
[Internet](#)  
[Multimedia](#)  
[News](#)  
[People](#)  
[Sample Index](#)  
[Shopping](#)  
[Software Engineering](#)  
[Sports](#)  
[Starcraft 2](#)  
[Startups](#)  
[Torrent Sites](#)  
[Web Sites](#)

Browsing [Universe](#) for entries beginning with **S**

>>

- ♦ [S.H.E english fansite & forum](#) (in [Asian Multimedia](#)) >>
- ♦ [S3 \(Amazon\)](#) (in [Ruby](#)) >>
  - ◊ [saving compressed content](#) >>
  - ◊ [using with Ruby](#) >>
- ♦ [S3 \(Amazon\)](#) (in [Ruby on Rails](#)) >>
- ♦ [safe \(Finalizer\)](#) (in [Ruby 1.8.6 Core API Methods](#)) >>
- ♦ [safe \(Finalizer\)](#) (in [Ruby 1.9 Core API Methods](#)) >>
- ♦ [safe \(Finalizer\)](#) (in [Ruby 1.8.5 Core API Methods](#)) >>
- ♦ [safe\\_iconv \(XSD::IconvCharset\)](#) (in [Ruby 1.8.5 Core API Methods](#)) >>
- ♦ [safeconstname \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.8.5 Core API Methods](#)) >>
- ♦ [safeconstname \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.9 Core API Methods](#)) >>
- ♦ [safeconstname \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.8.6 Core API Methods](#)) >>
- ♦ [safeconstname? \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.9 Core API Methods](#)) >>
- ♦ [safeconstname? \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.8.6 Core API Methods](#)) >>
- ♦ [safeconstname? \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.8.5 Core API Methods](#)) >>
- ♦ [safemethodname \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.8.5 Core API Methods](#)) >>
- ♦ [safemethodname \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.8.6 Core API Methods](#)) >>
- ♦ [safemethodname \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.9 Core API Methods](#)) >>
- ♦ [safemethodname? \(XSD::CodeGen::GenSupport\)](#) (in [Ruby 1.9 Core API Methods](#)) >>

## *Basedex subscribing*

- Any index can be subscribed to a number of other indexes, with the terms interfiling.
  - The name in parentheses indicates the original source of the index term.
  - When there is no name in parentheses the entry belongs to the home index.
- 
-

## *Basedex granularity*

- Basedex combines access at different levels of granularity: to parts of a book, to webpages and to websites.
  - This may be frustrating for people who want a lot of information on a topic, and find themselves taken to one paragraph in a book
  - The parenthetical qualifiers on entries which show the source will give some indication of the type of document being referred to.
- 
-

# Basedex edit window

The screenshot shows the 'Basedex' interface for editing an entry. At the top, there is a navigation bar with links for 'basedex', 'discussion', 'blog', 'join', 'contact us', and 'help'. Below this, the page title is 'Index: [GlendaJonArticles](#)' with a subtitle 'online articles on library and online topics by Glenda Browne an'. To the right of the title are buttons for 'create sub-index', 'create shortcut', 'view index info', 'subscribers', and 'subscriptions'. The main content area is titled 'Universe > Books' and features an alphabetical index from 'all' to 'Y'. A search box is present with a 'search' button. A list of topics is shown, including 'advertising >>', 'web security measures >>', and 'automated indexing <<'. The 'automated indexing <<' entry is expanded to show an edit window. This window has a title bar 'Context: Books, GlendaJonArticles' and contains links for 'view content' and 'edit content'. The text area is empty, showing 'No text.'. Below the text area are sections for 'Links' (with a link to 'http://www.webindexing.biz/Articles/AutomaticIndexing.htm') and 'Admin' (with links for 'edit', 'add subentry', 'add related entry', 'add alternate entry', 'merge', and 'delete entry'). The entry is attributed to 'Submitted by GlendaBrowne'. A 'close' button is at the bottom right of the edit window. The left sidebar contains categories: 'top-level indexes' (Universe), 'super topics' (Books), 'sub topics', 'related topics', and 'subscriptions'. At the bottom of the page, there are three horizontal orange bars.

# Basedex subheadings

**Basedex** (v.notdone)

Index: Web Indexing SIG [create sub-index](#) [create shortcut](#)  
[view index info](#) [subscribers](#) [subscriptions](#)

**Create a subentry for members**

Entry type  
index entry ▾

Entry

Content

Links (separate with new line)

# Basedex See references

**Basedex** (v.notdone) [basedex](#) | [discussion](#) | [blog](#) | [join](#) | [contact us](#) | [help](#)

Index: [Web Indexing SIG](#)

---

## Editing membership

[back to index](#) | [properties](#) | [links](#) | [related entries](#) | [alternate entries](#) | [contexts](#) | [merge](#) | [delete entry](#)

### Alternate Entries

[add alternate entry](#)

---

#### Alternate entry

---

# Basedex See Also references

**Basedex** (v.notdone) [basedex](#) | [discussion](#) | [blog](#) | [join](#) | [contact us](#) | [help](#)

Index: Web Indexing SIG [create sub-index](#) [create shortcut](#)  
[view index info](#) [subscribers](#) [subscriptions](#)

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## Editing membership

[back to index](#) | [properties](#) | [links](#) | [related entries](#) | [alternate entries](#) | [contexts](#) | [merge](#) | [delete entry](#)

## Add a related entry

Entry

\* Cross-references can only be created between entries in the same index.

[continue](#) [cancel](#)

## *Basedex practicalities*

- Basedex indexes are created and stored centrally on the Basedex site. This means that the creator doesn't control the storage or display of the index.
- Indexes created independently in XML format can be uploaded to Basedex.

## *More information*

- Australian and New Zealand Society of Indexers – [www.aussi.org](http://www.aussi.org), to become [www.anzsi.org](http://www.anzsi.org)
  - Browne, Glenda and Jerney, Jonathan 2004. *Website indexing: enhancing access to information within websites*, from [www.webindexing.biz](http://www.webindexing.biz) and [www.lulu.com](http://www.lulu.com).
  - Browne, Glenda and Jerney, Jon 2007. *The indexing companion*. (Cambridge University Press, 2007).
  - Web Indexing Yahoo mailing list – [tech.groups.yahoo.com/group/web-indexing](http://tech.groups.yahoo.com/group/web-indexing).
  - Wheatley, Henry B. *What is an index?* (Society of Indexers (UK) facsimile 2002; original publication Longmans, Green & Co. 1879), pp. 38-40.
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