



An Introduction to the Biodiversity Heritage Library



The Biodiversity Heritage Library (BHL) is a consortium of 14 natural history and botanical libraries that collaborate to digitize past and present biodiversity literature, all of which is made freely available online at www.biodiversitylibrary.org. BHL contains over 38.7 million pages of digitized literature (representing over 55,000 titles and 105,000 volumes), which can be freely downloaded as PDFs or high resolution images.

BHL is a global initiative, with project nodes in Europe, China, Brazil, Australia, and Egypt. In June, 2012, the BHL, in collaboration with the South African National Biodiversity Institute (SANBI), will host a meeting in Cape Town, South Africa, attended by representatives from across Africa to discuss the creation of a BHL for sub-Saharan Africa.

BHL contains material about biodiversity from all parts of the world, including a rich array of content about African biodiversity. Finding content in BHL is simple. Users can search by keywords to find material about a particular topic or by title to find a specific item.

To search BHL, simply enter a keyword, title, or other search term into the main BHL search box.

The screenshot shows the BHL website interface. At the top, there is a navigation bar with links for 'Mailing List', 'Feedback', 'About', 'Data exports', 'Developer Tools', 'Members', and 'Copyright | Help'. Below this is a search bar with the text 'South Africa' entered and a 'Go' button. The search bar is circled in red. To the left of the search bar, there are social media icons for Facebook, Twitter, and LinkedIn. Below the search bar, there are tabs for 'General', 'Books/Journals', 'Authors', 'Subjects', 'Scientific Names', and 'Citation Finder (BETA)'. The 'General' tab is selected. Below the tabs, there is a 'Search' button. To the left of the search bar, there is a 'Browse By' section with links for 'Titles', 'Authors', 'Subjects', 'Map', 'Year', and 'Collections'. Below this, there is a 'Published In' dropdown menu and a 'For' dropdown menu. On the left side of the page, there is a 'Now Online' box with statistics: '55,577 titles', '105,448 volumes', and '38,769,496 pages'. Below this is a 'Featured Collection' section with a portrait of Carl Linnaeus and the text 'BHL Biodiversity Heritage Library Carl Linnaeus Collection'. Below that is a 'BHL on Twitter' section with a tweet about white ants in Australia. On the right side of the page, there is a 'Today's Picks' section with the text 'View additional images on BHL's Flickr stream' and three botanical illustrations.

Search BHL by entering a search term into the main search box.



The subsequent screen will display a list of material matching that keyword search.

The screenshot shows the BHL website interface. At the top, there is a navigation bar with the BHL logo, a search bar, and various utility links like 'Donate', 'Facebook', 'Twitter', 'LinkedIn', and 'Twitter'. Below the navigation bar, there are filters for 'Browse By' (Titles, Authors, Subjects, Map, Year, Collections) and 'Published In' (Any Language) and 'For' (All Contributors). The main content area is titled 'Search Results (New Search)' and shows results for the keyword 'South Africa'. On the left side, there are three widgets: 'Now Online' (55,577 titles, 105,448 volumes, 38,769,496 pages), 'Featured Collection' (Carl Linnaeus Collection with a portrait of Carl Linnaeus), and 'BHL on Twitter' (BioDivLibrary tweet about white ants and cockroaches). The search results list 11 items, each with a title, author, publication info, and contributor. The 'View record' link for item 8, 'South African journal of natural history', is circled in red.

Search Results (New Search)
Results for "South Africa"
Books/Journals displayed : 100 [view more books/journals...](#)
Authors displayed : 15
Subjects displayed : 6
Scientific Names displayed : 0

7. **South African journal of science.**
By: South African Association for the Advancement of Science.
Publication info: [Marshalltown, Transvaal :South African Association for the Advancement of Science,
Contributed by: MBLWHOI Library, Woods Hole
BHL Collections: MBLWHOI Library, Woods Hole
[View record](#) [View book](#)
8. **South African journal of natural history.**
By: South African Biological Society.
Publication info: Pretoria,South African Biological Society.
Contributed by: MBLWHOI Library, Woods Hole
BHL Collections: MBLWHOI Library, Woods Hole
[View record](#) [View book](#)
9. **Annals of the South African Museum. Annale van die Suid-Afrikaanse Museum.**
By: South African Museum. - South African Museum.
Publication info: Cape Town [etc.,South African Museum, etc.]
Contributed by: MBLWHOI Library, Woods Hole
BHL Collections: MBLWHOI Library, Woods Hole
[View record](#) [View book](#)
10. **The antiquity of man in South Africa, and evolution.**
By: Hillier, Alfred P.
Publication info: Kimberley :Hartley,1890.
Contributed by: University of California Libraries (archive.org)
[View record](#) [View book](#)
11. **The birds of South Africa,**
By: Stark, Arthur Cowell, - Sclater, William Lutley,
Publication info: London,R. H. Porter,1900-1906.
Contributed by: Cornell University Library
[View record](#) [View book](#)

Search results based on search terms entered.

To find out more about a particular item, click on “view record” to see bibliographic information and a list of associated volumes.

This screenshot is identical to the one above, but with a red circle highlighting the 'View record' link for the 8th search result, 'South African journal of natural history'.

“View Record” to see bibliographic information for a title.



Now Online
 55,577 titles
 105,448 volumes
 38,769,496 pages
[Recent additions](#)

Featured Collection


Carl Linnaeus Collection

BHL on Twitter
 BioDivLibrary BHL and Our Users: Wendy Wasman: When most people think of BHL's users, they think of scientists accessing liter... bit.ly/KBuIXO

South African journal of natural history.

Brief | [Detailed](#) | [MODS](#) | [BibTeX](#) | [EndNote](#)

Related Titles:
Succeeding: Pamphlet - South African Biological Society

Author/Creator:
[South African Biological Society.](#)

Genre:
 Journal

Publication info:
 Pretoria, South African Biological Society.

Subjects:
[Natural history](#), [Periodicals](#), [South Africa](#)

BHL Collections:
[MBLWHOI Library](#), [Woods Hole](#)

[Find in a local library](#)

[Report an error](#)
 = show details for volume = read



View: [Expand All Scan Details](#)

- v. 1 (1818-1919)
- v. 2 (1920)
- v. 3, no. 1 (1921)
- v. 3, no. 2 (1922)

Bibliographic information about a title.

To view a specific book, click on “view book” in the search results screen or click on a volume in the bibliographic display.

Now Online
 55,577 titles
 105,448 volumes
 38,769,496 pages
[Recent additions](#)

Featured Collection


Carl Linnaeus Collection

BHL on Twitter
 BioDivLibrary Tho known as white ants in Australia, termites more closely related 2 cockroaches. See their massive mounds in #bhlib ow.ly/bdete 1 hour ago · favorite

Search Results [\(New Search\)](#)

Results for "South Africa"

[Books/Journals](#) displayed : 100 [view more books/journals...](#)
[Authors](#) displayed : 15
[Subjects](#) displayed : 6
[Scientific Names](#) displayed : 0

7. **South African journal of science.**
 By: South African Association for the Advancement of Science.
 Publication info: [Marshalltown, Transvaal :South African Association for the Advancement of Science,
 Contributed by: MBLWHOI Library, Woods Hole
 BHL Collections: MBLWHOI Library, Woods Hole
[View record](#) [View book](#)
8. **South African journal of natural history.**
 By: South African Biological Society.
 Publication info: Pretoria, South African Biological Society.
 Contributed by: MBLWHOI Library, Woods Hole
 BHL Collections: MBLWHOI Library, Woods Hole
[View record](#) [View book](#)
9. **Annals of the South African Museum. Annale van die Suid-Afrikaanse Museum.**
 By: South African Museum. - South African Museum.
 Publication info: Cape Town [etc., South African Museum, etc.]
 Contributed by: MBLWHOI Library, Woods Hole
 BHL Collections: MBLWHOI Library, Woods Hole
[View record](#) [View book](#)
10. **The antiquity of man in South Africa, and evolution.**
 By: Hillier, Alfred P.
 Publication info: Kimberley :Hartley, 1890.
 Contributed by: University of California Libraries (archive.org)
[View record](#) [View book](#)
11. **The birds of South Africa.**
 By: Stark, Arthur Cowell, - Sclater, William Lutley,
 Publication info: London, R. H. Porter, 1900-1906.
 Contributed by: Cornell University Library
[View record](#) [View book](#)

“View Book” from the search result screen. When there are multiple volumes associated with a title, “View Book” will display the first volume in the set.




Mailing List | Feedback | About | Data exports | Developer Tools | Members | Copyright | Help

BHL
Biodiversity Heritage Library

Search
[Advanced Search](#)

Browse By: [Titles](#) | [Authors](#) | [Subjects](#) | [Map](#) | [Year](#) | [Collections](#) Published In: (Any Language) For: (All Contributors)

Now Online
55,577 titles
105,448 volumes
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[Recent additions](#)

Featured Collection

Carl Linnaeus Collection

BHL on Twitter
BioDivLibrary BHL and Our Users: Wendy Wasman: When most people think of BHL's users, they think of scientists accessing liter... [bit.ly/K8uIXO](#)

South African journal of natural history.

Brief | [Detailed](#) | [MODS](#) | [BibTeX](#) | [EndNote](#)

Related Titles:
[Succeeding: Pamphlet - South African Biological Society](#)

Author/Creator:
[South African Biological Society.](#)

Genre:
Journal

Publication info:
Pretoria, South African Biological Society.

Subjects:
[Natural history](#), [Periodicals](#), [South Africa](#)

BHL Collections:
[MBLWHOI Library](#), [Woods Hole](#)

[Find in a local library](#)

[Report an error](#)

= show details for volume = read

View: [Expand All Scan Details](#)

- [v. 1 \(1818-1919\)](#)
- [v. 2 \(1920\)](#)
- [v. 3, no. 1 \(1921\)](#)
- [v. 3, no. 2 \(1922\)](#)

“View Book” from the bibliographic information screen.

Mailing List | Feedback | About | Data exports | Developer Tools | Members | Copyright | Help

BHL
Biodiversity Heritage Library

Search
[Advanced Search](#)

Browse By: [Titles](#) | [Authors](#) | [Subjects](#) | [Map](#) | [Year](#) | [Collections](#) Published In: (Any Language) For: (All Contributors)

Pages [Select pages to download](#)

- Text
- Text
- Text
- Title Page
- Text
- Table of Contents
- Text
- Page 5
- Page 6
- Page 7
- Page 8
- Page 9
- Page 10
- Page 11
- Page 12
- Page 13
- Page 14
- Page 15

Link to this page: <http://biodiversitylibrary.org/page/7074307> [View Text](#)

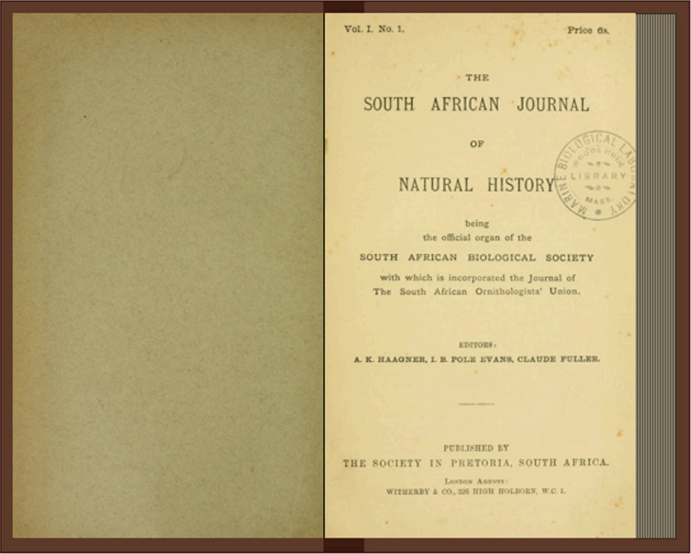
Names on this page

No Names Found
-powered by [uBio](#)

South African journal of natural history.

v. 1 (1818-1919) [Download/About this book](#)

Zoom: Auto



Book Viewer in BHL.

You can download a PDF or high resolution images of any book in BHL. You can also select specific pages to create a custom PDF. You can then save or print these files for later use.

The screenshot displays the BHL website interface. At the top, there is a navigation bar with the BHL logo, a search bar, and various utility links like 'Mailing List', 'Feedback', 'About', 'Data exports', 'Developer Tools', 'Members', 'Copyright', and 'Help'. Below the navigation bar, there are social media icons and a 'Donate' button. The main content area shows a book titled 'South African journal of natural history. v. 1 (1818-1919)'. A dropdown menu is open over the book title, listing options: 'Download/About this book', 'Bibliographic Information', 'Select pages to download', 'Download PDF', 'Download OCR', 'Download Images', 'Download All', and 'View at Internet Archive'. On the left side, there is a 'Pages' sidebar with a list of page numbers (5-15) and a 'Names on this page' section. The main viewing area shows a high-resolution image of the book's title page, which includes the text: 'THE SOUTH AFRICAN JOURNAL OF NATURAL HISTORY', 'being the official organ of the SOUTH AFRICAN BIOLOGICAL SOCIETY', and 'PUBLISHED BY THE SOCIETY IN PRETORIA, SOUTH AFRICA.' A circular stamp from the 'BIOLOGICAL LIBRARY' is visible on the right side of the page.

Drop-Down menu with options to Download a PDF or high resolution images of the book.
"Select Pages to Download" allows you to select specific pages from the book to create a custom PDF.



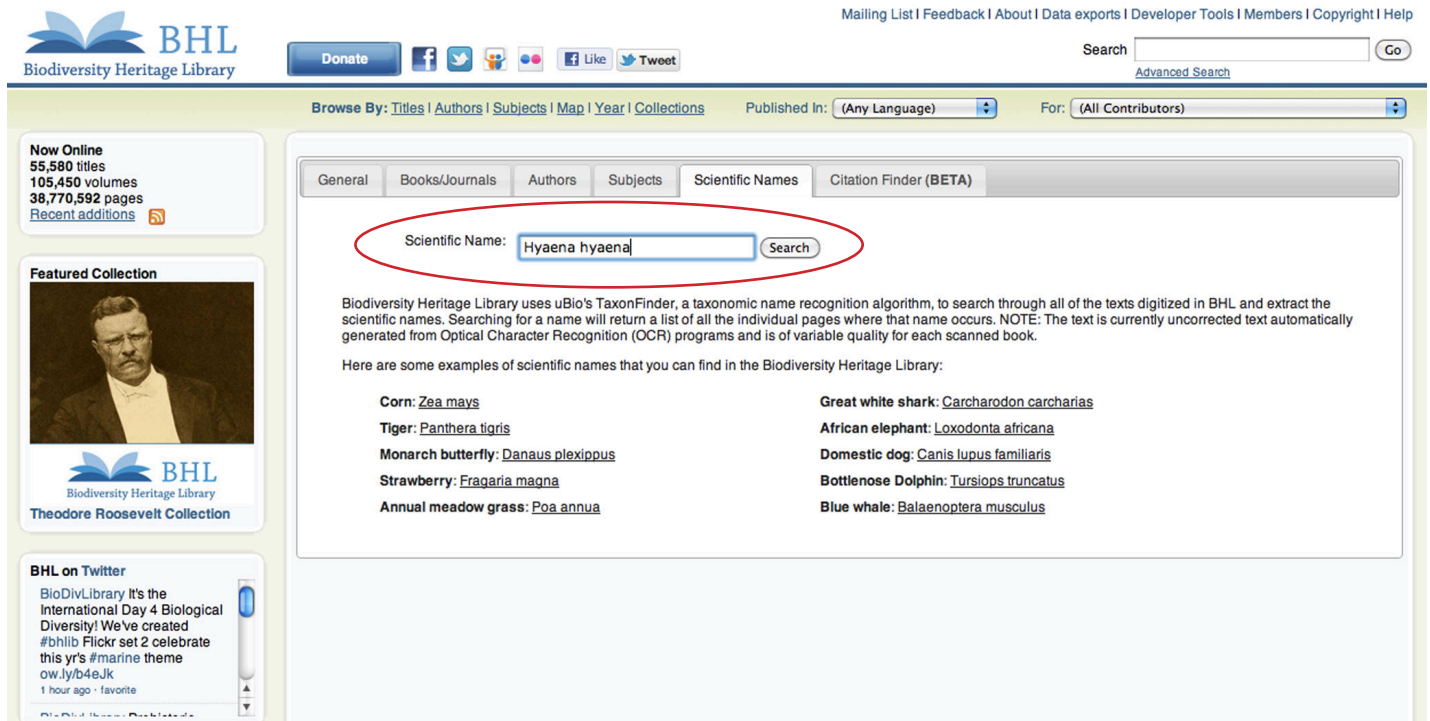
Additional Services

Name Finding Technology

BHL is equipped with name-finding technology powered by uBio, allowing BHL to identify species names found within scanned literature. Users can search by a species name to find content about a particular organism or see which species names are contained on a particular page.

Search by Species Name

To find a list of material about a specific species in BHL, simply enter the name in the search box on the “Scientific Names” tab on the homepage.



The screenshot shows the BHL homepage with the following elements:

- Header:** BHL Biodiversity Heritage Library logo, navigation links (Mailing List, Feedback, About, Data exports, Developer Tools, Members, Copyright, Help), and a search bar.
- Navigation:** "Browse By: Titles | Authors | Subjects | Map | Year | Collections" and filters for "Published In: (Any Language)" and "For: (All Contributors)".
- Search Interface:** Tabs for "General", "Books/Journals", "Authors", "Subjects", "Scientific Names", and "Citation Finder (BETA)". The "Scientific Names" tab is active, and the search box contains "Hyaena hyaena".
- Search Results:** A list of species names with their scientific names, including: Corn: *Zea mays*, Tiger: *Panthera tigris*, Monarch butterfly: *Danaus plexippus*, Strawberry: *Fragaria magna*, Annual meadow grass: *Poa annua*, Great white shark: *Carcharodon carcharias*, African elephant: *Loxodonta africana*, Domestic dog: *Canis lupus familiaris*, Bottlenose Dolphin: *Tursiops truncatus*, and Blue whale: *Balaenoptera musculus*.
- Sidebars:** "Now Online" statistics (55,580 titles, 105,450 volumes, 38,770,592 pages), "Featured Collection" (Theodore Roosevelt Collection), and "BHL on Twitter" feed.

Searching BHL for content about a specific species by entering the species name into the search box on the “Species Name” tab.



Click the appropriate name in the search results screen to generate a bibliographic listing each page in BHL that mentions that species.

The screenshot shows the BHL search results for "Hyaena hyaena". The page includes a header with the BHL logo, navigation links, and a search bar. On the left, there is a "Now Online" box with statistics and a "Featured Collection" box for the Theodore Roosevelt Collection. The main content area displays "Search Results (New Search)" for "Hyaena hyaena", showing 4 scientific names listed. The first result, "Hyaena hyaena (204)", is circled in red.

Now Online
55,580 titles
105,450 volumes
38,770,592 pages
Recent additions

Featured Collection
Theodore Roosevelt Collection

Search Results (New Search)
Results for "Hyaena hyaena"
Scientific Names displayed : 4

Scientific Names

Biodiversity Heritage Library uses *taxonomic intelligence* tools, including [TaxonFinder](#) developed by [uBio.org](#), to locate, verify, and record scientific names located within the text of each digitized page. **Note:** The text used for this identification is uncorrected OCR, so may not include all results expected or visible in the page.

1. [Hyaena hyaena \(204\)](#)
2. [Hyaena hyaena barbara \(5\)](#)
3. [Hyaena hyaena hyaena \(5\)](#)
4. [Hyaena hyaena syriaca \(2\)](#)

Choose the appropriate name from the search results list.

The screenshot shows the BHL bibliography page for "Hyaena hyaena". The page includes a header with the BHL logo, navigation links, and a search bar. The main content area displays "Bibliography for 'Hyaena hyaena' by Page", with a table listing various publications. The table has columns for Type, Title, Authors, Volume, Date, Page #, and View. The first row is highlighted in blue.

Bibliography for "Hyaena hyaena" by Page

Type	Title	Authors	Volume	Date	Page #	View
Monograph/Item	Advances in the study of mammalian behavior /	Eisenberg, John Frederick. Kleiman, Devra G. American Society of Mammalogists.	(go to volume)	1983	Page 243	View
Monograph/Item	Advances in the study of mammalian behavior /	Eisenberg, John Frederick. Kleiman, Devra G. American Society of Mammalogists.	(go to volume)	1983	Page 244	View
Monograph/Item	Advances in the study of mammalian behavior /	Eisenberg, John Frederick. Kleiman, Devra G. American Society of Mammalogists.	(go to volume)	1983	Page 251	View
Monograph/Item	Advances in the study of mammalian behavior /	Eisenberg, John Frederick. Kleiman, Devra G. American Society of Mammalogists.	(go to volume)	1983	Page 254	View
Monograph/Item	Advances in the study of mammalian behavior /	Eisenberg, John Frederick. Kleiman, Devra G. American Society of Mammalogists.	(go to volume)	1983	Page 262	View
Monograph/Item	Advances in the study of mammalian behavior /	Eisenberg, John Frederick. Kleiman, Devra G. American Society of Mammalogists.	(go to volume)	1983	Page 264	View
Serial	Annali del Museo civico di storia naturale Giacomo	Museo civico di storia naturale Giacomo Doria (Ge	v. 53 1928-30	1916	Page 40	View
Serial	Annali del Museo civico di storia naturale Giacomo	Museo civico di storia naturale Giacomo Doria (Ge	v. 78-79 1970-73	1916	Page 227	View
Monograph/Item	Annotated CITES Appendices and Reservations.		2001	2001	Page 51	View
Monograph/Item	Annotated CITES Appendices and Reservations.		1998	1998	Page 55	View
Serial	Annual report of the Board of Regents of the Smith	Smithsonian Institution. Board of Regents. Smithsonian Institution. United States National Museum.	1918	1846	Page 72	View
Serial	Annual report of the Board of Regents of the Smith	Smithsonian Institution. Board of Regents. Smithsonian Institution. United States National Museum.	1920	1846	Page 91	View
Serial	Annual report of the Board of Regents of the Smith	Smithsonian Institution. Board of Regents. Smithsonian Institution. United States National Museum.	1956	1846	Page 145	View

Page 1 of 1

Choosing a species name will generate a bibliography listing all mentions of that species in BHL.



Species Names on a Page

To see which species are mentioned on a page in BHL, simply check the “Names on this Page” box on the left-hand side of the BHL website when viewing a book. You can click on any name found within this box to generate a bibliography listing all other pages in BHL that mention that species (see bibliography example above).

The screenshot displays the BHL website interface. At the top, there is a navigation bar with the BHL logo, a search bar, and various utility links like 'Mailing List', 'Feedback', and 'Data exports'. Below this is a secondary navigation bar with 'Browse By' options (Titles, Authors, Subjects, Map, Year, Collections) and filters for 'Published In' and 'For'. The main content area shows the title 'Annual report of the Board of Regents of the Smithsonian Institution... 1918' and a zoom level of 25%. The page content is a table of contents for the 1918 report, listing various animal species and their page numbers. On the left sidebar, there is a 'Pages' list and a 'Names on this page' section. The 'Names on this page' section is circled in red and contains a list of species names with small icons next to them, including *Acinonyx jubatus*, *Cavia*, *Cavia tschudii*, *Cebus*, *Crocota crocuta*, *Cynomys ludovicianus*, *Dasyprocta*, *Edentata*, *Euphractus*, *Felis leo*, *Felis tigris*, *Genetta genetta*, *Hamadryas*, *Hyaena brunnea*, *Hyaena hyaena*, *Hystrix*, and *Kinkajou*.

“Names on this Page” displaying all species names found on a page in BHL. Click on any of the names to generate a bibliography listing all other mentions of that species in BHL (see bibliography example above).



Links of Interest

Want to learn more about BHL? Stay connected and learn more by visiting the following links:

Global BHL

BHL-Europe: <http://www.bhl-europe.eu/>

BHL-China: <http://www.bhl-china.org/cms/>

BHL-Australia: <http://bhl.ala.org.au/>

BHL-Brazil: <http://biodiversidade.scielo.br/php/index.php>

BHL-Egypt: <http://dar.bibalex.org/webpages/dar.jsf> (Collection: “Biodiversity Heritage Library”)

Other Links of Interest

Flickr: <http://www.flickr.com/photos/biodivlibrary/sets/>

Blog: <http://blog.biodiversitylibrary.org/>

Facebook: <http://www.facebook.com/BioDivLibrary>

Twitter: <http://twitter.com/#!/biodivlibrary>

iTunes U: <http://itunes.apple.com/us/institution/biodiversity-heritage-library/id467689660>

Submit Questions, Comments, or Request Material to be Scanned:

<http://www.biodiversitylibrary.org/Feedback.aspx>

Newsletter: <http://biodivlib.wikispaces.com/Newsletters>

Quarterly Reports: <http://biodivlib.wikispaces.com/Reports>

Tutorials: <http://biodivlib.wikispaces.com/Help>

More about BHL: <http://biodivlib.wikispaces.com/About>

Copyright/Licensing Information: <http://biodivlib.wikispaces.com/Licensing+and+Copyright>

Data Exports: <http://biodivlib.wikispaces.com/Data+Exports>

