Package ‘rbhl’

January 29, 2020

Title Interface to the 'Biodiversity' 'Heritage' Library

Description Interface to 'Biodiversity' 'Heritage' Library ('BHL')
(https://www.biodiversitylibrary.org/) API
(https://www.biodiversitylibrary.org/docs/api3.html). 'BHL' is a repository of 'digitized' literature on 'biodiversity' studies, including 'floras', research papers, and more.

Type Package

Version 0.9.0

License MIT + file LICENSE

URL https://github.com/ropensci/rbhl (devel)
https://docs.ropensci.org/rbhl (documentation)

BugReports https://github.com/ropensci/rbhl/issues

LazyData true

VignetteBuilder knitr

Encoding UTF-8

Language en-US

Imports crul, xml2, jsonlite, plyr, tibble

Suggests testthat, knitr, vcr

RoxygenNote 7.0.2

X-schema.org-applicationCategory Biodiversity

X-schema.org-keywords BHL, library, API, web-services, conservation,
species, taxonomy, OCR, text-mining

X-schema.org-isPartOf https://ropensci.org

NeedsCompilation no

Author Scott Chamberlain [aut, cre] (https://orcid.org/0000-0003-1444-9135)

Maintainer Scott Chamberlain <myrmecocystus@gmail.com>

Repository CRAN

Date/Publication 2020-01-29 06:10:10 UTC
R topics documented:

- rbhl-package
- bhl_authorsearch
- bhl_bioherlib
- bhl_getauthormetadata
- bhl_getcollections
- bhl_getinstitutions
- bhl_getitemmetadata
- bhl_getlanguages
- bhl_getpagemetadata
- bhl_getpartmetadata
- bhl_gettitlemetadata
- bhl_namemetadata
- bhl_namesearch
- bhl_openurl
- bhl_pages
- bhl_pagesearch
- bhl_publicationsearch
- bhl_publicationsearchadv
- bhl_subjectmetadata
- bhl_subjectsearch
- rbhl-defunct
- rbhl methods

Index

---

**rbhl-package**

*R interface to the Biodiversity Heritage Library API.*

**Description**

R interface to the Biodiversity Heritage Library API.

**Details**

You need an API key to use the Biodiversity Heritage Library API. Get your BHL API key at [http://www.biodiversitylibrary.org/getapikey.aspx](http://www.biodiversitylibrary.org/getapikey.aspx). Put your API key either in your .Renviron file (or similar) with the name `BHL_KEY`, or in your .Rprofile file with the name `bhl_key`, and the we’ll use your API key without you having to enter it every time you run a search.

See *rbhl-defunct* for defunct functions.

**Author(s)**

Scott Chamberlain <myrmecocystus@gmail.com>
bhl_authorsearch  

Author search

**Description**

Return a list of authors that match (fully or partially) the specified search string.

**Usage**

```r
bhl_authorsearch(name = NULL, as = "table", key = NULL, ...)
```

**Arguments**

- `name` (full or partial name of the author for which to search (last name listed first, i.e. 'Darwin, Charles') (character)
- `as` (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
- `key` (Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
- `...` (Curl options passed on to `crul::HttpClient()`)

**Details**

The names searched are those contained in MARC 100a, 110a, 111a, 700a, 710a, and 711a library records.

**Examples**

```r
## Not run:
bhl_authorsearch(name='dimmock')
bhl_authorsearch(name='Jones')
## End(Not run)
```

bhl_bioherlib  

Search BHL across many API methods.

**Description**

Search BHL across many API methods.
Usage

bhl_bioherlib(
    method = "GetPageMetadata",
    pageid = NULL,
    ocr = FALSE,
    names = FALSE,
    as = "table",
    key = NULL,
    ...
)

Arguments

method  The API method to use.
pageid  The identifier of an individual page in a scanned book.
ocr     return ocr text of the page (logical). Default: FALSE
names   return the names that appear on the page (logical). Default: FALSE
as      (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
key     Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
...     Curl options passed on to curl::HttpClient()

Examples

## Not run:
bhl_bioherlib(method='GetPageMetadata', pageid=1328690, ocr=TRUE, names=TRUE)
bhl_bioherlib(method='GetPageMetadata', pageid=1328690, ocr=TRUE, names=TRUE, as="xml")
bhl_bioherlib(method='GetPageMetadata', pageid=1328690, ocr=TRUE, names=TRUE, as="list")

## End(Not run)

bhl_getauthormetadata  Get metadata about an author

Description

Get metadata about an author
bhl_getcollections

Get a list of collections which are used to group titles and items. A single collection may contain either titles or items, but not both.

Usage

bhl_getauthormetadata(
  id,
  id_type = "bhl",
  pubs = FALSE,
  as = "table",
  key = NULL,
  ...
)

Arguments

id (numeric) the identifier of an individual author
id_type (character) the type of identifier (bhl, biostor, viaf). Default: "bhl"
pubs (logical) TRUE to return the subject’s publications. Default: FALSE
as (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
key Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
... Curl options passed on to crul::HttpClient()

Details

You may choose to include a list of the author’s publications. The BHLType element identifies the type of each publication (Title or Part).

Examples

```r
## Not run:
bhl_getauthormetadata(87509)
bhl_getauthormetadata(87509, pubs = TRUE, verbose = TRUE)
bhl_getauthormetadata(87509, as = "json")
## End(Not run)
```

Description

Get a list of collections which are used to group titles and items. A single collection may contain either titles or items, but not both.
Usage

bhl_getcollections(as = "table", key = NULL, ...)

Arguments

as (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.

key Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.

... Curl options passed on to curl::HttpClient()

Examples

## Not run:
bhl_getcollections()
bhl_getcollections(as = 'list')
bhl_getcollections(as = 'json')
bhl_getcollections(as = 'xml')
## End(Not run)

bhl_getinstitutions GetInstitutions data

Description

GetInstitutions data

Usage

bhl_getinstitutions(as = "table", key = NULL, ...)

Arguments

as (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.

key Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.

... Curl options passed on to curl::HttpClient()

Details

Get a list of institutions which have contributed to BHL in some way. These institutions may fill roles such as contributors, rights holders, and scanning institutions.
bhl_getitemmetadata

Return metadata about an item.

Description

You may choose to include a list of the item's pages.

Usage

bhl_getitemmetadata(
  itemid = NULL,
  pages = TRUE,
  ocr = FALSE,
  parts = FALSE,
  as = "table",
  key = NULL,
  ...
)

Arguments

itemid item id (character)

pages return the item's pages (TRUE/FALSE)

ocr (logical) TRUE to return the ocr for the item's pages. Setting this to TRUE apparently doesn't return any actual ocr text, but leaving parameter here for now.

parts (logical) TRUE to return the item's parts. Setting this to TRUE apparently doesn't return any parts text, but leaving parameter here for now.

as (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.

key Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.

... Curl options passed on to curl::HttpClient()
bhl_getlanguages

Get a list of languages in which materials in BHL have been written.

Description

Get a list of languages in which materials in BHL have been written.

Usage

bhl_getlanguages(as = "table", key = NULL, ...)

Arguments

as (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.

key Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.

... Curl options passed on to crul::HttpClient()

Examples

## Not run:
bhl_getitemmetadata('16800', TRUE)
bhl_getitemmetadata('16800', TRUE, as='xml')
bhl_getitemmetadata('16800', TRUE, as='json')
bhl_getitemmetadata('16800', TRUE, as='list')
bhl_getitemmetadata(20419, pages=FALSE, parts=TRUE)

## End(Not run)
bhl_getpagemetadata  Return metadata about a page.

Description

You may choose to include the OCR text and a list of names found on the page

Usage

bhl_getpagemetadata(
    page = NULL,
    ocr = FALSE,
    names = FALSE,
    as = "table",
    key = NULL,
    ...
)

Arguments

page  page number to get
ocr  return ocr text of the page (TRUE/FALSE)
names  return the names that appear on the page (TRUE/FALSE)
as  (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
key  Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
...  Curl options passed on to crul::HttpClient()

Examples

## Not run:
bhl_getpagemetadata(page=1328690, ocr=TRUE)
bhl_getpagemetadata(page=1328690, ocr=TRUE, as='json')
bhl_getpagemetadata(page=1328690, ocr=TRUE, as='xml')
bhl_getpagemetadata(page=1328690, ocr=TRUE, as='list')

## End(Not run)
bhl_getpartmetadata  
*Return a list of an item’s pages.*

**Description**

Return a list of an item’s pages.

**Usage**

```
bhl_getpartmetadata(partid, key = NULL, ...)
```

**Arguments**

- **partid**: The identifier of an individual part (article, chapter, etc) (numeric)
- **key**: Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
- **...**: Curl options passed on to `crul::HttpClient()`

**Examples**

```r
## Not run:
bhl_getpartmetadata(10409)
## End(Not run)
```

---

bhl_gettitlemetadata  
*Get title metadata*

**Description**

Return metadata about a title. You may choose to include a list of the items (books) associated with the title.

**Usage**

```
bhl_gettitlemetadata(titleid = NA, items = FALSE, as = "list", key = NULL, ...)
```

**Arguments**

- **titleid**: the identifier of an individual title (numeric)
- **items**: (logical) TRUE of FALSE (default) to include items
- **as**: (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
bhl_namemetadata

Get basic title, item, and page metadata for each page on which the specified name appears.

Description

Get basic title, item, and page metadata for each page on which the specified name appears.

Usage

bhl_namemetadata(
  namebankid = NULL,
  name = NULL,
  id_type = NULL,
  as = "list",
  key = "null",
  ...
)

Arguments

namebankid (numeric) (not used if 'name’ specified) NameBank identifier for a name
name (character) (not used if 'namebankid’ specified) a complete name string
id_type (character) the type of identifier (namebank, eol, gni, ion, col, gbif, itis, ipni, worms). Not used if name is specified
as (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
key Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
...

### bhl_namesearch

Search for a particular name.

#### Description

Names both with and without NameBank identifiers are returned.

#### Usage

```r
bhl_namesearch(name = NULL, as = "table", key = NULL, ...)
```

#### Arguments

- **name**
  - species name (character)
- **as**
  - (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
- **key**
  - Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
- **...**
  - Curl options passed on to `crul::HttpClient()`

#### Examples

```r
## Not run:
bhl_namesearch('poa annua')
bhl_namesearch(name='helianthus annuus')
bhl_namesearch(name='helianthus annuus', as='xml')
bhl_namesearch(name='helianthus annuus', as='json')

## End(Not run)
```
**Description**

Not sure how this differs from their other API...

**Usage**

```r
bhl_openurl(
  genre = NULL,
  title = NULL,
  aufirst = NULL,
  aulast = NULL,
  date = NULL,
  spage = NULL,
  issue = NULL,
  version = 0.1,
  as = "list",
  key = NULL,
  ...)
```

**Arguments**

- `genre`  
  Book genre
- `title`  
  Book title
- `aufirst`  
  First author
- `aulast`  
  Last author
- `date`  
  Date of publication
- `spage`  
  Start page
- `issue`  
  Issue number
- `version`  
  One of 0.1 or 1.0
- `as`  
  (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
- `key`  
  Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
- `...`  
  Curl options passed on to `curl::HttpClient()`
Examples

## Not run:

bhl_openurl(
  genre="book",
  title="Manual of North American Diptera",
  aufirst="Samuel Wendell",
  aulast="Williston",
  date=1908,
  spage=16)

  aufirst="Samuel Wendell", aulast="Williston", date=1908, spage=16)

  aufirst="Samuel Wendell", aulast="Williston", date=1908, spage=16,
  as='xml')

## End(Not run)

---

bhl_pages

Get many OCR-generated pages given a single item id

Description

Get many OCR-generated pages given a single item id

Usage

bhl_pages(itemid, key = NULL, ...)

Arguments

- **itemid** the item id (character). Required
- **key** Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key
- **...** Curl options passed on to `crul::HttpClient()`

Examples

## Not run:

x <- bhl_publicationsearch('Selborne', year=1825, collection=4,
  language='eng')
bhl_pages(itemid = x$ItemID[1])

## End(Not run)
**bhl_pagesearch**  
Search an item for pages containing the specified text

### Description

Search an item for pages containing the specified text

### Usage

```r
bhl_pagesearch(id, text, as = "table", key = NULL, ...)
```

### Arguments

- **id**: (integer) BHL identifier of the item to be searched
- **text**: (character) the text for which to search
- **as**: (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that `as="table"` can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
- **key**: Your BHL API key, either enter, or loads from your `.Renviron` as `BHL_KEY` or from `.Rprofile` as `bhl_key`.
- **...**: Curl options passed on to `curl::HttpClient()`

### Examples

```r
## Not run:
bhl_pagesearch(22004, "dog")
bhl_pagesearch(22004, "dog", as = "json")
## End(Not run)
```

---

**bhl_publicationsearch**  
Publication search

### Description

Publication search
Usage

\begin{verbatim}
bhl_publicationsearch(
    q = NULL,
    full_text = FALSE,
    page = NULL,
    as = "table",
    key = NULL,
    ...
)
\end{verbatim}

Arguments

- **q** (character) the text for which to search
- **full_text** (character) TRUE for a catalog plus full-text search; FALSE for a catalog-only search. default: FALSE
- **page** (integer) page to return
- **as** (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
- **key** Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
- **...** Curl options passed on to `crul::HttpClient()`

See Also

Other publication-search: *bhl_publicationsearchadv()*

Examples

\begin{verbatim}
## Not run:
bhl_publicationsearch('cocos island costa rica birds')
bhl_publicationsearch('poa annua')
bhl_publicationsearch('helianthus annuus')
## End(Not run)
\end{verbatim}

Description

Publication search advanced
Usage

bhl_publicationsearchadv(
  title = NULL,
  titleop = NULL,
  authorname = NULL,
  year = NULL,
  subject = NULL,
  language = NULL,
  collection = NULL,
  notes = NULL,
  notesop = NULL,
  text = NULL,
  textop = NULL,
  page = NULL,
  as = "table",
  key = NULL,
  ...
)

Arguments

title (character) a title for which to search
titleop (character) 'all' to search for all specified words in the title fields; 'phrase' to search for the exact phrase specified
authorname (character) an author name for which to search
year (integer) a four-digit publication year for which to search
subject (character) a subject for which to search
language (character) a language code; search will only return publications in the specified language
collection (character) a collection id; search will only return publications from the specified collection
notes (character) one or more words for which to search in the publication notes
notesop (character) 'all' to search for all specified words in the notes field; 'phrase' to search for the exact phrase specified
text (character) one or more words for which to search in the text of the publications
textop (character) 'all' to search for all specified words in the text field; 'phrase' to search for the exact phrase specified
page (integer) 1 for the first page of results, 2 for the second, and so on
as (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that as="table" can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
key Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
...
Curl options passed on to curl::HttpClient()
See Also

Other publication-search: \texttt{bhl_publicationsearch()}

Examples

```r
## Not run:
bhl_publicationsearchadv(title = "cocos island", titleop = "all", 
authorname = "gifford", year = 1919)
bhl_publicationsearchadv(title = "cocos island", authorname = "gifford")
## End(Not run)
```

\texttt{bhl_subjectmetadata} \hspace{1cm} \textit{Get metadata about a subject}

Description

Get metadata about a subject

Usage

\texttt{bhl_subjectmetadata(subject, pubs = FALSE, as = "table", key = NULL, ...)}

Arguments

- \texttt{subject} (character) the subject for which to return metadata
- \texttt{pubs} (logical) TRUE to return the subject’s publications. Default: FALSE
- \texttt{as} (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that \texttt{as="table"} can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
- \texttt{key} Your BHL API key, either enter, or loads from your .Renviron as BHL\_KEY or from .Rprofile as bhl\_key.
- \texttt{...} Curl options passed on to \texttt{crul::HttpClient()}

Details

You may choose to include a list of the subject’s publications. The BHLType element identifies the type of each publication (Title or Part).

Examples

```r
## Not run:
bhl_subjectmetadata(subject = "water")
x <- bhl_subjectmetadata(subject = "water", pubs = TRUE)
head(x$Publications[[1]])
## End(Not run)
```
**bhl_subjectsearch**

Return a list of subjects that match (fully or partially) the specified search string.

**Description**

Return a list of subjects that match (fully or partially) the specified search string.

**Usage**

```r
bhl_subjectsearch(subject, as = "table", key = NULL, ...)
```

**Arguments**

- `subject` (character) The full or partial subject for which to search.
- `as` (character) Return a list ("list"), json ("json"), xml ("xml"), or parsed table ("table", default). Note that `as="table"` can give different data format back depending on the function - for example, sometimes a data.frame and sometimes a character vector.
- `key` Your BHL API key, either enter, or loads from your .Renviron as BHL_KEY or from .Rprofile as bhl_key.
- `...` Curl options passed on to `crul::HttpClient()`

**Examples**

```r
## Not run:
bhl_subjectsearch("diptera")
bhl_subjectsearch("diptera", "json")
## End(Not run)
```

---

**rbhl-defunct**

*Defunct functions in rbhl*

**Description**

- `bhl_getpartendnote()`: BHL removed this API method.
- `bhl_gettitleendnote()`: BHL removed this API method.
- `bhl_booksearch()`: method removed in API v3, see `bhl_publicationsearch()`
- `bhl_partsearch()`: method removed in API v3, see `bhl_publicationsearch()`
- `bhl_titlesearchsimple()`: method removed in API v3, see `bhl_publicationsearch()`
- `bhl_getauthorparts()`: method removed in API v3, see `bhl_getauthormetadata()`
- `bhl_getauthor titles()`: method removed in API v3, see `bhl_getauthormetadata()`
- `bhl_getitembyidentifier()`: method removed in API v3, see `bhl_getitemmetadata()`
- `bhl_getitempages()`: method removed in API v3, see `bhl_getitemmetadata()`
- `bhl_getitemparts()`: method removed in API v3, see `bhl_getitemmetadata()`
- `bhl_getpagenames()`: method removed in API v3, see `bhl_getpagemetadata()`
- `bhl_getpageocrtext()`: method removed in API v3, see `bhl_getpagemetadata()`
- `bhl_getpartbyidentifier()`: method removed in API v3, see `bhl_getpartmetadata()`
- `bhl_getpartnames()`: method removed in API v3, see `bhl_getpartmetadata()`
- `bhl_getsubjectparts()`: method removed in API v3, see `bhl_subjectmetadata()`
- `bhl_getsubjecttitles()`: method removed in API v3, see `bhl_subjectmetadata()`
- `bhl_getpartbibtex()`: method removed in API v3
- `bhl_gettitlebibTex()`: method removed in API v3
- `bhl_gettitlebyidentifier()`: API method merged in API v3, see `bhl_gettitlemetadata()`
- `bhl_gettitleitems()`: API method merged in API v3, see `bhl_gettitlemetadata()`
- `bhl_getunpublisheditems()`: method removed in API v3
- `bhl_getunpublishedparts()`: method removed in API v3
- `bhl_getunpublishedtitles()`: method removed in API v3
- `bhl_namecount()`: method removed in API v3
- `bhl_namelist()`: method removed in API v3
- `bhl_namegetdetail()`: method renamed - see `bhl_namemetadata()`

---

**rbhlmethods**

*Data.frame of all the BHL API methods from the BHL website.*

---

**Description**

Data.frame of all the BHL API methods from the BHL website.
Index

+Topic datasets
  rbhlmethods, 20

+Topic package
  rbhl-package, 2

bhl_authorsearch, 3
bhl_bioherlib, 3
bhl_booksearch(), 19
bhl_getauthormetadata, 4
bhl_getauthormetadata(), 19
bhl_getauthorparts(), 19
bhl_getauthortitles(), 19
bhl_getcollections, 5
bhl_getinstitutions, 6
bhl_getitembyidentifier(), 20
bhl_getitemmetadata, 7
bhl_getitemmetadata(), 20
bhl_getitempages(), 20
bhl_getitemparts(), 20
bhl_getlanguages, 8
bhl_getpagemetadata, 9
bhl_getpagemetadata(), 20
bhl_getpagenames(), 20
bhl_getpageocrtext(), 20
bhl_getpartbibTex(), 20
bhl_getpartbyidentifier(), 20
bhl_getpartmetadata, 10
bhl_getpartmetadata(), 20
bhl_getpartnames(), 20
bhl_getsubjectparts(), 20
bhl_getsubjecttitles(), 20
bhl_gettitlebibTex(), 20
bhl_gettitlebyidentifier(), 20
bhl_gettitleitems(), 20
bhl_gettitlemetadata, 10
bhl_gettitlemetadata(), 20
bhl_getunpublisheditems(), 20
bhl_getunpublishedparts(), 20
bhl_getunpublishedtitles(), 20
bhl_namecount(), 20
bhl_namelist(), 20
bhl_namemetadata(), 20
bhl_namesearch, 12
bhl_openurl, 13
bhl_pages, 14
bhl_pagesearch, 15
bhl_partsearch(), 19
bhl_publicationsearch, 15, 18
bhl_publicationsearch(), 19
bhl_publicationsearchadv, 16, 16
bhl_subjectmetadata, 18
bhl_subjectmetadata(), 20
bhl_subjectsearch, 19
bhl_titlesearchsimple(), 19

      crul::HttpClient(), 3–19

rbhl (rbhl-package), 2
rbhl-defunct, 2, 19
rbhl-package, 2
rbhlmethods, 20