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May 2nd, 1:00 PM - 1:45 PM

Expanding Access to Biodiversity Literature

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Expanding Access to Biodiversity Literature

Presenter 1 Title

Community Manager

Session Type

45-minute concurrent session

Abstract

Expanding Access to Biodiversity Literature (EABL) is an IMLS-funded grant designed to enhance the collection of the Biodiversity Heritage Library (BHL), a digital library providing open access to over 50 million pages of legacy biodiversity literature.

BHL's collection is built on the digitized holdings of its member libraries, typically large research universities, natural history museums, and other well-funded organizations. EABL, however, solicits content outside the BHL consortium; small organizations that often lack the resources for cataloging and digitization nevertheless have valuable and unique literature to contribute. This has created new challenges for BHL workflows, as well as opportunities for novel approaches to improving access and discovery.

This presentation focuses on three aspects of EABL's work: metadata, including methods for adapting a MARC-based system to archival and other non-standard bibliographic material; copyright and strategies to mitigating risk of infringement; and discovery, particularly efforts to index articles and other bibliographic segments.

The presentation will be informative for practitioners in open access digital repositories, those interested in soliciting content from external organizations, and those looking for metadata and digitization workflows to handle a diverse array of content.

Location

KIPJ Room G

Keywords

Natural history, Open access, Metadata, Copyright, Discoverability, IMLS

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Expanding Access to Biodiversity Literature

Patrick Randall

May 2, 2017 | Digital Initiatives Symposium

"I think BHL is one of the most important and useful resources online right now. Judging by how often I use it, I'd say it has an impact on my research commensurate with that of Google Scholar or Web of Science."

Andrew D., Herpetologist

History

Biodiversity
Heritage Library

Prototype

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1,305,621 pages

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[Discussion of ZooBank and BHL at the Smithsonian](#)
[BHL mentioned on NPR's Science Friday](#)
[Biodiversity Heritage Library and Encyclopedia of Life Launch!](#)
[1.25 million pages](#)
[BHL Meetings](#)
[BHL Presentations](#)

[Details](#)

1623 1637-1691 1646 1678 1682 1685-1760 1700-1799 1727 1737 1745 1750 1773 1775 1797 1798 17th century 1809 1812-17 1815 1819 1827 1828-1833 1829 1830 1840 1840's 1841 1851-1904 1855 1857 1865-1875 1877 1880 19th century Africa Africa, East Air Algae Algeria Amaryllidaceae Ambon Island America Analysis Anatomy Animals Apocynaceae Arboriculture Archaeology Arctic regions Armorial Assimilation Astragalus (Plants) Australia **Austria** Belgium Bibliography Binding : Binding: Biology Blossom (Ship) Bolivia Botanical gardens Botanical illustration Botanischer Garten der Universität Wien Botaniska trädgården

Botanists

Botany
Botany, Economic Botany, Medical **Brazil** Bryology Cactaceae Calfskin Camellia Canada Carnivorous plants Catalogs **Central America** Centrolepidaceae

Classification
Chile China Cinchona Citrus fruits Clifford, George, **Colored** Color-printed **Copper engraving** Copper engravings Cornaceae Cornus (Plants) Coromandel

Early works to 1800 England
Coast Crete Cryptogamae Cuba Cyperaceae Description and travel Description and travel Designs Dictionaries Dimorphism (Plants) **Engravings** Euphorbiaceae Europe Fertilization of plants Floriculture Flowers Folklore **France** French Guiana Fruit Full Gardening Gardens Georgia Germany Gift books **gmppc**

Gramineae Graphic media : Graphic media: **Great Britain** Greece **Hand colored** Hand tooled **Hand-colored** Hepaticae Herbs Heterostylism Himalaya Mountains History Horticulture Hortus Botanicus Hyacinthaceae Hymenophyllaceae **Icones India** India Office Indonesia Ireland Jamaica Java Juncaceae Jungmanniaceae Landscape architecture Leguminosae Lepidoptera Lichens Liliaceae Lilium Linaceae Linum Lithograph Lithographs London, England Lythraceae Lythrum Malabar Coast Malabar Coast (India) Mammals Mariana Islands Materia medica, Vegetable Mauritius

Medicinal plants Medicine, Medieval Melanesia Mexico Missouri Missouri (St. Louis) Missouri Botanical Garden Morocco **Musci Natural history** Nature printing Nature-printing and nature-prints

Nepal Netherlands New England Nomenclature **North America** Northeast Passage Oceania Odontoglossum One-half **Orchidaceae** Orchidaceae culture Palmae Papua New Guinea Paris

Periodicals Peru Philippines Phytogeography **Pictorial works** Plant diseases Plant ecology Plant introduction Plant names, Popular Plant physiology **Plants** Plants

Pre-Linnean works
anatomy Plants, Ornamental Portraits Primula Primulaceae Pteridophyta **rbgenr** Reede tot Drakestein, Hendrik van, Rijksherbarium (Netherlands) Rijksuniversiteit Leiden Rio de Janeiro Romania Rubiaceae Saint Louis Schönbrunn Schönbrunn (Austria) Schumann, Karl Moritz, Science Scientific Expeditions Shrubs Societies, etc South Africa **South America** Southern States Sri Lanka Steel engraving Stipple engraving Succulent plants Sudan Sweden Tasmania Theaceae Therapeutic use Transylvania **Trees** Tunisia **Uncolored** Uppsala universitet Variation **West Indies** West Indies, British Xyridaceae Zoology

BHL
Biodiversity Heritage Library

Partners

Scope

EABL

*Expanding Access to
Biodiversity Literature*

Funding

Partners

DPLA

Content Hubs
Service Hubs

DPLA

Highlights

- American Arachnological Society
- American Birding Association
- American Fern Society
- American Malacological Society
- Amphibian & Reptile Conservation
- Association of Southeastern Biologists
- Carnegie Institute for Science
- Carnegie Museum of Natural History
- Cleveland Museum of Natural History
- Delaware Museum of Natural History
- Florida Ornithological Society
- Gulf Coast Research Laboratory
- Native Plant Societies
- New York Entomological Society
- New York State Museum
- North Carolina State Museum of Natural Sciences
- Pacific Coast Entomological Society
- Pennsylvania Horticultural Society
- Raptor Research Foundation
- Roosevelt Wild Life Station
- San Diego Zoo
- Southern California Academy of Sciences
- Tower Hill Botanic Garden
- Virginia Museum of Natural History
- Western Field Ornithologists
- Western Society of Malacologists
- Wildlife Conservation Society
- Wilson Ornithological Society

Metadata

Requirements

MARC & MARCXML

MARC RECORD

001: 02657rem 2204557 a 4500
005: 19990129000000.0
007: cr m
008: 760928m191619321enkbef b 001 0 eng
010: \$a 16024208
035: \$a ADW8131LB
035: \$a (OCoLC)ocm02469246
040: \$a OLC \$a stu \$a OA \$a OCL \$a SMI \$a WdLN
043: \$a s-gy
049: \$a SNR \$v 1-2 \$ 3608007352141 \$ 3608007331432
050: 00 \$a QL689.G94 \$a C5
090: \$a QL689.G94 \$a C55 1916
099: \$a QL689.G94C55 1916
100: 1 \$a Chubb, Charles.
245: 14 \$a The birds of British Guiana : \$b based on the collection of Frederick Vavasour McConnell ... / \$c by Charles Chubb ... ; with a preface by Mrs. F.V. McConnell ...
260: \$a London : \$b Bernard Quaritch ... \$c 1916-1921.
300: \$a 2 v., leaves of plates (1 folded) : \$b ill. (some col.), port., map : \$c 26 cm.
500: \$a "Mr. H. Grönwald has prepared the original drawing of each of the coloured plates and of the leaf-figures, which have been reproduced by Messrs. John Bale, Sons, and Desveraux. The accompanying map of British Guiana has been engraved by Mr. H.F. Mine of the Royal Geographical Society"--V. 1, p. xlv.
500: \$a "Printed by Taylor and Francis, Red Lion Court, Fleet Street"--Verso of t.p.
500: \$a "250 copies of this work have been printed."--Label on front free endpaper.
500: \$a Includes indexes.
500: \$a "Addenda and corrigenda" ([4] p.) inserted in v. 2 between p. [390] and p. [391].
504: \$a Bibliography: v. 1, p. xlv-xlvii.
530: \$a Also available online.
583: \$a digitized \$b BHLDP \$c 20130430 \$a Internet Archive
583: \$a extracted packet \$c 20081216 \$z BHL:EX
590: \$a Excerpts
590: \$a SCNHRB vol. 1 is no. 191 of the limited ed.; vol. 2 has a blank (unnumbered) limited edition label.
590: \$a Stamp on t.p.: P. Bud.
590: \$a Stamp on t.p.: Smithsonian Libraries, Dec. 03, 1982.
590: \$a SCNHRB vol. 1 is no. 191 of the limited ed.; vol. 2 has a blank (unnumbered) limited edition label.
590: \$a Stamp on t.p.: P. Bud.
590: \$a Stamp on t.p.: Smithsonian Libraries, Dec. 03, 1982.
590: \$a Green buckram library binding: gilt-tooled spine.
690: 0 \$a Birds \$z Guyana.
700: 1 \$a McConnell, Frederick Vavasour, \$d d. 1914.
700: 1 \$a Grönwald, Henrik, \$d 1850-1940, \$a ill.
700: 1 \$a Mine, H. F., \$a engraver.
700: 1 \$a Stut, Paul, \$a former owner. \$5 DSI
710: 2 \$a Bale & Desveraux, \$a lithographer.
856: 49 \$a Biodiversity Heritage Library. \$u http://biodiversitylibrary.org/bibliography/51764 \$9 http://biodiversitylibrary.org/bibliography/51764 \$9 http://biodiversitylibrary.org/bibliography/51764 \$9 Scanned book
845: \$a SOS 6-29-93, rec'd of QL689.G94C55 v. 1-2, c. 2 BIRD (assumed to have former barcode nos.: v. 1, 3608002143022; v. 2, 3608002143030). E. Wells does NOT wish to have the other copy (i.e. 1) call as name; SOS 7-9-93, del 650/1
945: \$a cent 7/9/08 eng. toc in 590 from bird to scnhb
959: \$a gvh 2/19/14 BHL:CHL tag repatriation

Bib #: 442858

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  <marc:subfield code="b">
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  </marc:subfield>
  <marc:subfield code="c">
    By Charles Chubb ... with a preface by Mrs. F.V. McConnell ...
  </marc:subfield>
</marc:datafield>
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Requirements

Title level metadata (1 MARCXML file)

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1 Digital book or volume

Books- Display

1BIB RECORD ("TITLE") : 1 ITEM ("BOOK")

Title: "The birds of Tierra del Fuego"

In BHL

<http://biodiversitylibrary.org/bibliography/51463#/summary>

In IA

<https://archive.org/search.php?query=%22The%20birds%20of%20Tierra%20del%20Fuego%22>

Book Metadata

SummaryDetailsMODSBibTeXEndnote

Title

The birds of Tierra del Fuego /

By

[Crawshaw, Richard.](#)

Genre

Book

Publication info

London :B. Quaritch,1907.

Subjects

[Argentina](#), [Birds](#), [Chile](#), [Tierra del Fuego](#), [Tierra del Fuego \(Argentina and Chile\)](#)

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1BIB RECORD ("TITLE") : ∞ ITEMS ("VOLUMES")

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+Harvard+College
%22&sort=titleSorter](https://archive.org/details/biodiversity?and[]=%22Bulletin+of+the+Museum+of+Comparative+Zoology+at+Harvard+College%22&sort=titleSorter)

Journal Metadata

Summary	Details	MODS	BibTeX	Endnote
Title				
Bulletin of the Museum of Comparative Zoology at Harvard College.				
Title Variants:				
Abbreviated: Bull. Mus. Comp. Zool.				
Alternative: Bulletin of the MCZ.				
Alternative: Bulletin of the Museum of Comparative Zoology				
Alternative: MCZ bulletin.				
Alternative: Museum of Comparative Zoology bulletin.				
Related Titles				
Series: Geological series (Cambridge, Mass.) ; v. 1-10.				
Series: Museum of Comparative Zoology--Biodiversity Heritage Library digitization project.				

Volumes
+ v.1 (1863-1869) >
+ v.2 (1870-1871) >
- v.3 (1871-1876) >

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Pages

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Preface, Page vii (Text)
Page viii (Text)
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Illustration
Page ix (Text)
Page x (Text)
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Illustration
Page xi (Text)
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<http://quest.library.illinois.edu/marcmaker/>

	A	B	C	D	E	F	G
1	Level	FileMaker Element description (green = could be multiple)	FileMaker elements exported for Macaw	Element Name in MARC for Macaw	Description	Displayed in BHL?	Would like to display in BHL?
2	Field book/item level MODS	itemID	itemID	Identifier	MODS #	Y	Y
3				Collection (for IA)	"Biodiversity"	n/a	n/a
4		title	i_title	marc 245a	title	Y	Y
5			i_alt_title	marc 246a		?	Y
6			i_title_type			N	N
7				Copyright	"No known copyright"	Y	Y
8		author	i_creator	marc100a	author	Y	Y
9			i_creator	marc100a-01	author	Y	Y
10			i_creator	marc100a-02	author	Y	Y
11			i_creator	marc100a-03	author	Y	Y
12		date range	i_date_range	marc 260c	date (range)	Y	Y
13		access conditions	i_access_condition	marc506a	access condition	N	N
14		abstract	i_abstract	marc520a	abstract	N	Y
15		language	i_language1	marc500	language	N	N
16			i_language1_code	marc 041a	language code	Y	Y
17			i_language2	marc500	language	N	N
18			i_language2_code	marc 041a	language code	N	Y
19		genre	i_genre	marc655a	genre	N	Maybe

Macaw

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NATURAL HISTORY
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— v.42:no.1-4 (2014) >

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Books/Journals	Articles/Chapters	Authors	Subjects	Scientific Names
<p>Article/Chapter Title: <input type="text"/></p> <p>Journal/Book Title: <input type="text"/></p> <p>Author Last Name: <input type="text"/></p> <p>Year: <input type="text"/></p> <p><input type="button" value="Search"/></p>				

Articles/Chapters

SummaryDetailsMODSBibTeXRIS

Title

Zoologica : scientific contributions of the New York Zoological Society.

Title Variants:

Abbreviated: Zoologica (N. Y.)

By

[New York Zoological Society.](#)

Genre

Journal

Publication info

New York.1907-1974.

Subjects

[Periodicals](#) , [Zoology](#)

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The background of the entire image is a vibrant, detailed illustration of a jungle scene. It depicts several primates: a large red orangutan in the upper right, a black and white gibbon in the center, a black and white lemur-like primate on the right, and a dark-furred primate in the foreground. The scene is filled with lush green foliage and tree branches, creating a sense of a wild, natural habitat.

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Dr. Christopher M., Invertebrate Zoologist

Questions?