



Scientific Electronic Library Online

BHL SciELO Network: quarterly report

Period: January 1st, 2013 – March 31th, 2013

Report prepared by BHL SciELO Network Team:

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1 About the BHL-SciELO Network

The BHL SciELO Network aims to contribute to the indexation, qualification, publishing, access and interoperability of biodiversity scientific information. It integrates BHL and SciELO networks.

The BHL-SciELO Network, launched in Brazil, has its development and operation supported by two projects. Firstly, the **SciELO Biodiversity Project: extension and strengthening of information infrastructure and scientific knowledge in biodiversity** (SciELO Biodiversity Project), which counts with the financial support of Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP – Sao Paulo Research Foundation) – through FAPESP Virtual Library, BIOTA/FAPESP Program, and SciELO Project – and secondly, the **Project for online scanning and publishing of a collection of essential works in biodiversity from Brazilian libraries** (Essential Biodiversity Works Scanning Project), funded by PROBIO II/GEF through the Forests and Biodiversity Secretary of the Ministry of Environment (MMA).

The development and operation of products, BHL-SciELO services and events is publicized on the portal (<http://www.bhlsciELO.org>), which is supervised and advised by a Advisory Committee. The technical secretary and network operational coordination is performed by SciELO technical team, and executed with institutional support of Fundação de Apoio à Universidade Federal de São Paulo (FapUNIFESP – Federal University of Sao Paulo Foundation).

This report describes the operation of BHL SciELO Network in the period between January 1st, 2013 and March 31th, 2013, highlighting the following results:

- a) **585 scanned works** which sum **144.462 pages** of books and scientific journals, according to BHL methodology.
- b) Mounting four centers scanning: Zoology Museum of the University of Sao Paulo, Instituto Butantan, Rio de Janeiro Botanical Garden and Emilio Goeldi Museum.
- c) Completion of digitization activities at the Butantan Institute.
- d) Completion of development of the program for the conversion of scanned books metadata for Marc 21 XML and the start of the test phase.

1.1 Advisory Committee

The Advisory Committee is formed by representatives of the institutions involved in the SciELO Biodiversity Project and in the Essential Biodiversity Works Scanning Project, with the following permanent composition:

- Secretary of Forests and Biodiversity of the Ministry of Environment;
- Zoology Museum of the University of Sao Paulo;
- BIOTA/FAPESP Program;
- National Library Foundation;
- Brazilian Society of Zoology;
- Science editors of the SciELO Collection of Biodiversity Journals;
- Librarians Work Group;
- Developers Work Group;
- Rio de Janeiro Botanical Garden;
- FAPESP SciELO Program, as Committee coordinator.

1.2 Library Network

The BHL-SciELO library network includes the following 13 national institutions with the main collections in biodiversity:

- Oswaldo Cruz Foundation;
- Zoobotanic Foundation;
- National Amazon Research Institute (*request for inclusion granted in the II Meeting*);
- Butantan Institute;
- Botanic Institute of the Sao Paulo State;
- Rio de Janeiro Botanical Garden;
- Ministry of Environment;



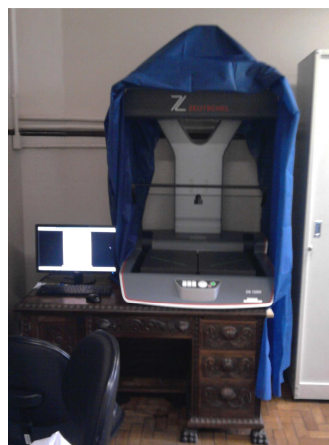
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- National Museum;
- Emilio Goeldi Museum;
- State University of Campinas;
- Federal University of Parana;
- Federal University of Rio Grande;
- University of Sao Paulo.

Libraries have the main function of cooperating with the development of information sources, particularly by scanning essential biodiversity works of their respective collections.



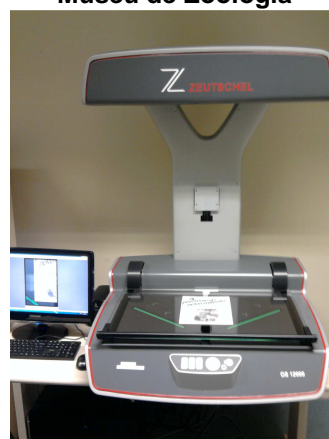
Instituto Butantan



Museu de Zoologia



Museu Paraense Emilio Goeldi



Jardim Botânico

2 BHL-SciELO Network and information sources

The BHL-SciELO Network Portal (<http://www.bhlsciELO.org>) was developed to integrate biodiversity information sources, through a multilingual interface, developed as result of the implementation of the SciELO Biodiversity Project and the Essential Biodiversity Works Scanning Project.

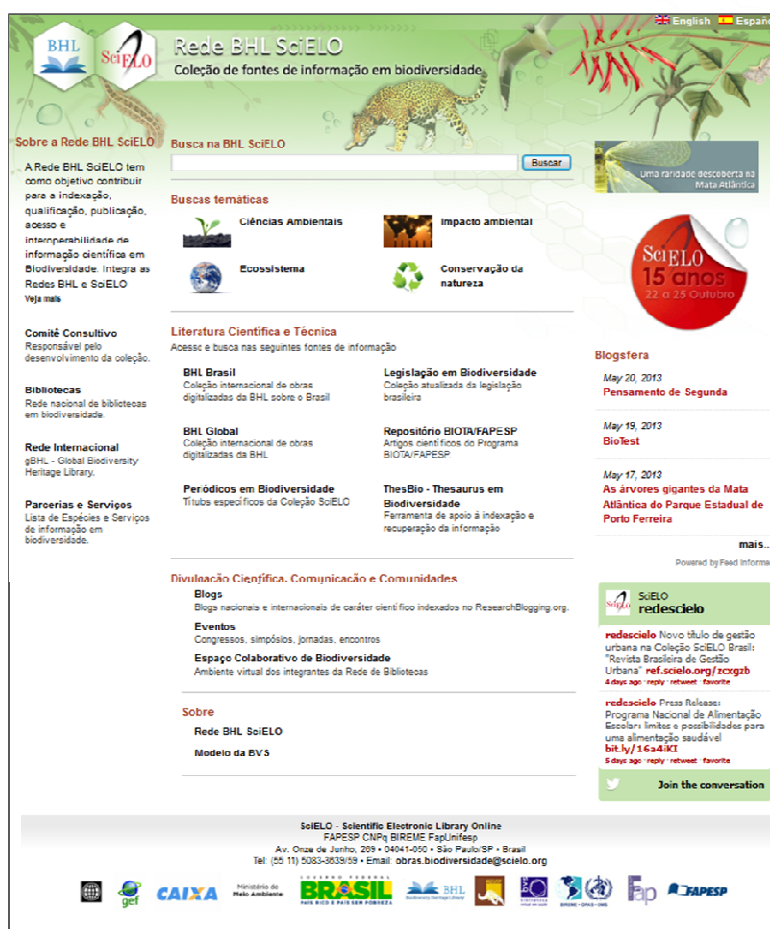
Launched on December 2010, the Portal (Picture 1) provides access and integrated research to over **170 thousand open access scientific and technical records** on biodiversity in the following information sources:

- *BHL Brazil*: scanned **385 works** within gBHL, including books about Brazilian fauna and flora, and national scientific journals;
- *BHL Global*: **113.117 works** – journals and books – which integrate the biodiversity global network of libraries (gBHL);
- *Portal of Biodiversity Journals*: **38 scientific journals** (see Annex I), published in 5 countries of SciELO Network, allowing access to **1.388 issues, 18.051 articles and 523.825 citations**;
- *Legislation*: updated collection of national **69 laws and international treaties**, with links to their full content;
- *BIOTA/FAPESP Repository*: constituted by the bibliographic **metadata of 547 scientific articles** of BIOTA/FAPESP Program, produced from 1999 to 2010 and published in 205 different scientific journals, national and international, of both open and restricted access;
- *ThesBio*: multilingual hierarchic tool with **5.128 biodiversity terms** and **3.704 scope notes** in Portuguese, English and Spanish languages.



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Besides the indexation and access to scientific and technical literature, the portal offers: a) a selected catalog of national and international biodiversity blogs; b) an interactive tool to record events; c) a post aggregating tool to collect daily new posts from the 105 biodiversity catalogued blogs; d) a Collaborative Space (Eco Biodiversidade) – a virtual environment for information sharing to the Library Network.



Picture 1. BHL-SciELO Network Portal home page

2.1 BHL Brazil, BHL Global and the scanning of Brazilian works

The collections BHL Brazil and BHL Global will be available on the BHL-SciELO Network Portal and include, respectively, **385 works** on biodiversity related to Brazil and scanned by the

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institutions that form the gBHL, and **113.117 works** on biodiversity of other regions of the planet, scanned by gBHL.

Besides the works already scanned by gBHL, until the end of 2013 the Collection BHL Brazil will include around 2,000 scanned works from the institutions that form the Brazilian Network of Libraries for Biodiversity, selected by the Advisory Committee by previously defined criteria.

With resources provenient from PROBIO II, the scanning equipment necessary to the technological infrastructure were acquired, which will allow the local scanning of works. 5 Scanning Centres will be built to operate simultaneously in 3 to 5 institutions of the Brazilian Network of Libraries for Biodiversity.

From January 2012, the scanning operation started in two Brazilian institutions – the USP Zoology Museum (MZUSP) and the Butantan Institute (IB). In December 2012, the scanning operation started in the Rio de Janeiro Botanical Garden and, in January 2013, in the Emilio Goeldi Museum.

The following, are the results of scanning activities by March 2013:

<i>Journals</i>	<i>Books</i>	<i>Total</i>
461 fascicles	124 books	585 works
103.108 pages	41.354 pages	144.462 pages

As part of the scanning process, an open source version of the Macaw software was installed in the BHL-SciELO Network server, offered by gBHL, to attribute and process metadata of scanned pages and dispatch of these files to the Internet Archives. The testing phase with the tool and with dispatch of metadata for the Internet Archive was finalized. The pilot processing operation and dispatch of metadata of the works to the Internet Archives should end in the next months. Completion of development of the program for the conversion of scanned books metadata for Marc 21 XML and the start of the test phase.

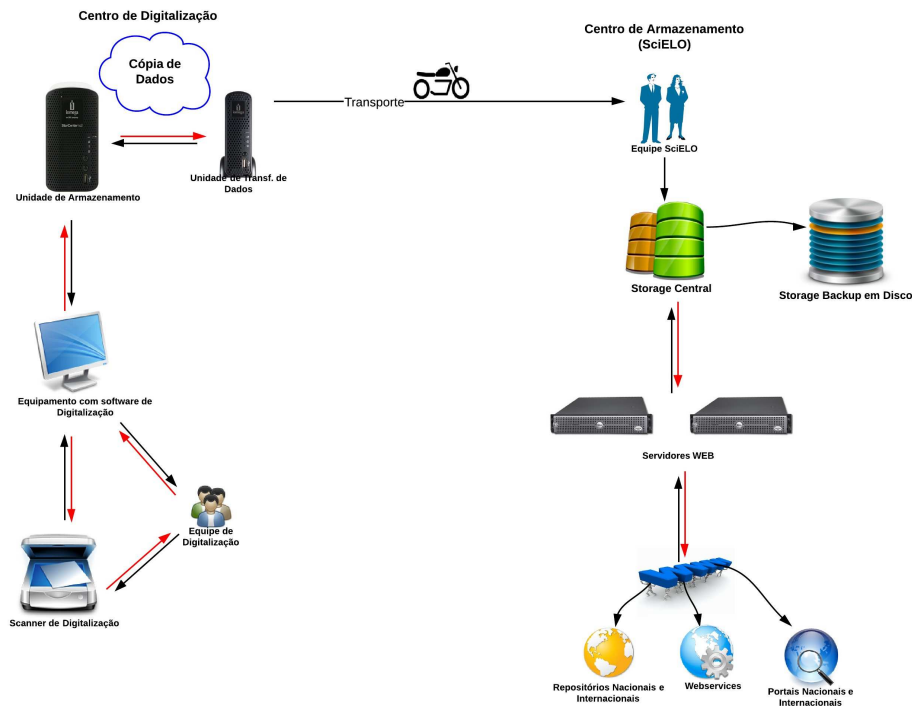
3 Technological architecture and new applications

For the operation of scanning activities of essential biodiversity works, an infrastructure composed by Storage, Library Tape, LTO tapes, storage units (NAS), External HDs and Desktops was adopted.

The new technological architecture will have a storage infrastructure composed by a local infrastructure for the Scanning Centers, and a central infrastructure to assure the perseverance and publishing of scanned data, uninterruptedly for a period of 2 years.

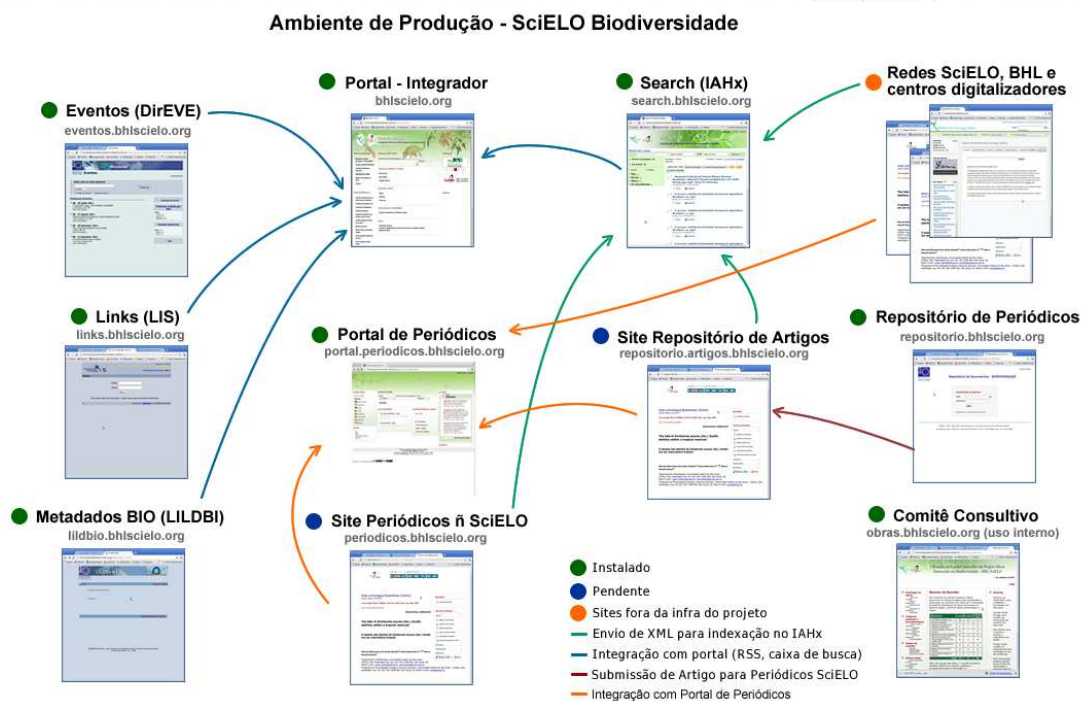
This architecture aims to provide autonomy to the Scanning Centers during the scanning process, and also to ensure safe storage of scanned content while it is in the evaluation and production phases within Scanning Centers, as well as to secure all resources necessary to the safety and availability of scanned works in a Central Storage System.

Picture 5 depicts the technology architecture of BHL-SciELO Network:



Picture 2. Technology Architecture of BHL-SciELO Network

Picture 6 presents all applications that compose the BHL-SciELO Network, as follows: a) event recording tool (DirEve); b) link recording tool (LIS); c) bibliographic recording tool of scanned works (LILDBI); d) integrated content research tool (iAHx); e) Repository of Biodiversity Articles; f) storage website for articles submitted to the repository; g) website to make available journals about biodiversity that are not available in the SciELO Network; h) portal for SciELO biodiversity journals; i) thesaurus management tool (TemaTres); and j) website for committee meetings.



Picture 3. BHL-SciELO Network Applications

4 Publicization of BHL-SciELO Network

The divulgation and marketing of SciELO Biodiversity Project include the following lines of action:

- Participation in congresses, courses and other national and international events, where its development status, methodology and technologies will be presented;
- Publishing of posts related to SciELO Biodiversity Project and BHL-SciELO Network on SciELO Twitter, which on December 2012 counts with 17.474 followers;
- Preparation of promotional material;
- Publicization of SciELO Biodiversity Project and BHL-SciELO Network in the website of the institutions that form the Brazilian Network of Libraries for Biodiversity.

Annex

Annex 1

Biodiversity Journals Portal – list of titles

Title	ISSN	URL	Collection
1. Acta Amazonica	0044-5967	http://www.scielo.br/scielo.php?script=sci_serial&pid=0044-5967&lng=pt&nrm=iso	Brazil
2. Acta Botanica Brasilica	0102-3306	http://www.scielo.br/scielo.php?script=sci_serial&pid=0102-3306&lng=pt&nrm=iso	Brazil
3. Acta Botánica Mexicana	0187-7151	http://www.scielo.org.mx/scielo.php?script=sci_serial&pid=0187-7151&lng=es&nrm=iso	Mexico
4. Acta Limnologica Brasiliensia (Online)	2179-975X	http://www.scielo.br/scielo.php?script=sci_serial&pid=2179-975X&lng=pt&nrm=iso	Brazil
5. Acta Zoológica Mexicana	0065-1737	http://www.scielo.org.mx/scielo.php?script=sci_serial&pid=0065-1737&lng=es&nrm=iso	Mexico
6. Biota Neotropica	1676-0603	http://www.scielo.br/scielo.php?script=sci_serial&pid=1676-0603&lng=pt&nrm=iso	Brazil
7. Boletín Científico. Centro de Museos. Museo de Historia Natural	0123-3068	http://www.scielo.org.co/scielo.php?script=sci_serial&pid=0123-3068&lng=en&nrm=iso	Colombia
8. Boletín de Investigaciones Marinas y Costeras - INVEMAR	0122-9761	http://www.scielo.org.co/scielo.php?script=sci_serial&pid=0122-9761&lng=en&nrm=iso	Colombia
9. Boletín de la Sociedad Argentina de Botánica	1851-2372	http://www.scielo.org.ar/scielo.php?script=sci_serial&pid=1851-2372&lng=es&nrm=iso	Argentina
10. Boletín de la Sociedad Botánica de México	0366-2128	http://www.scielo.org.mx/scielo.php?script=sci_serial&pid=0366-2128&lng=es&nrm=iso	Mexico
11. Brazilian Journal of Botany	1806-9959	http://www.scielo.br/scielo.php?script=sci_serial&pid=1806-9959&lng=en&nrm=iso	Brazil
12. Brazilian Journal of Oceanography	1679-8759	http://www.scielo.br/scielo.php?script=sci_serial&pid=1679-8759&lng=pt&nrm=iso	Brazil
13. Caldasia	0366-5232	http://www.scielo.org.co/scielo.php?script=sci_serial&pid=0366-5232&lng=en&nrm=iso	Colombia
14. Darwiniana: revista del Instituto de Botánica Darwinion	0011-6793	http://www.scielo.org.ar/scielo.php?script=sci_serial&pid=0011-6793&lng=es&nrm=iso	Argentina
15. Ecología Austral	1667-782X	http://www.scielo.org.ar/scielo.php?script=sci_serial&pid=1667-782X&lng=es&nrm=iso	Argentina

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Title	ISSN	URL	Collection
16. El Hornero: revista de ornitología neotropical	0073-3407	http://www.scielo.org.ar/scielo.php?script=sci_serial&pid=0073-3407&lng=es&nrm=iso	Argentina
17. Gayana (Concepción): international journal of biodiversity, oceanology and conservation	0717-6538	http://www.scielo.cl/scielo.php?script=sci_serial&pid=0717-6538&lng=pt&nrm=iso	Chile
18. Gayana. Botánica	0717-6643	http://www.scielo.cl/scielo.php?script=sci_serial&pid=0717-6643&lng=pt&nrm=iso	Chile
19. Hoehnea	2236-8906	http://www.scielo.br/scielo.php?script=sci_serial&pid=2236-8906&lng=pt&nrm=iso	Brazil
20. Iheringia. Série Zoologia	0073-4721	http://www.scielo.br/scielo.php?script=sci_serial&pid=0073-4721&lng=pt&nrm=iso	Brazil
21. Kurtziana	1852-5962	http://www.scielo.org.ar/scielo.php?script=sci_serial&pid=1852-5962&lng=es&nrm=iso	Argentina
22. Latin American Journal of Aquatic Research	0718-560X	http://www.scielo.cl/scielo.php?script=sci_serial&pid=0718-560X&lng=pt&nrm=iso	Chile
23. Mastozoología Neotropical	0327-9383	http://www.scielo.org.ar/scielo.php?script=sci_serial&pid=0327-9383&lng=es&nrm=iso	Argentina
24. Neotropical Ichthyology	1679-6225	http://www.scielo.br/scielo.php?script=sci_serial&pid=1679-6225&lng=pt&nrm=iso	Brazil
25. Papéis Avulsos de Zoologia (São Paulo)	0031-1049	http://www.scielo.br/scielo.php?script=sci_serial&pid=0031-1049&lng=pt&nrm=iso	Brazil
26. Phytón (Buenos Aires): revista internacional de botánica experimental	1851-5657	http://www.scielo.org.ar/scielo.php?script=sci_serial&pid=1851-5657&lng=es&nrm=iso	Argentina
27. Polibotánica	1405-2768	http://www.scielo.org.mx/scielo.php?script=sci_serial&pid=1405-2768&lng=es&nrm=iso	Mexico
28. Revista Brasileira de Botânica	0100-8404	http://www.scielo.br/scielo.php?script=sci_serial&pid=0100-8404&lng=pt&nrm=iso	Brazil
29. Revista Brasileira de Entomologia	0085-5626	http://www.scielo.br/scielo.php?script=sci_serial&pid=0085-5626&lng=pt&nrm=iso	Brazil
30. Revista Brasileira de Zoologia	0101-8175	http://www.scielo.br/scielo.php?script=sci_serial&pid=0101-8175&lng=pt&nrm=iso	Brazil
31. Revista chilena de historia natural	0716-078X	http://www.scielo.cl/scielo.php?script=sci_serial&pid=0716-078X&lng=pt&nrm=iso	Chile
32. Revista Colombiana de Entomología	0120-0488	http://www.scielo.org.co/scielo.php?script=sci_serial&pid=0120-0488&lng=en&nrm=iso	Colômbia
33. Revista de Biología Marina y Oceanografía	0718-1957	http://www.scielo.cl/scielo.php?script=sci_serial&pid=0718-1957&lng=pt&nrm=iso	Chile
34. Revista de la Sociedad Entomológica Argentina	0373-5680	http://www.scielo.org.ar/scielo.php?script=sci_serial&pid=0373-5680&lng=es&nrm=iso	Argentina
35. Revista del Museo	1853-0400	http://www.scielo.org.ar/scielo.php?script=sci_se	Argentina

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Title	ISSN	URL	Collection
Argentino de Ciencias Naturales		rial&pid=1853-0400&lng=es&nrm=iso	
36. Revista Internacional de Contaminación Ambiental	0188-4999	http://www.scielo.org.mx/scielo.php?script=sci_serial&pid=0188-4999&lng=es&nrm=iso	México
37. Revista Mexicana de Biodiversidad	1870-3453	http://www.scielo.org.mx/scielo.php?script=sci_serial&pid=1870-3453&lng=es&nrm=iso	Mexico
38. Zoologia (Curitiba, Impresso)	1984-4670	http://www.scielo.br/scielo.php?script=sci_serial&pid=1984-4670&lng=pt&nrm=iso	Brazil

Annex 2

Books scanned by 2013 March

#	Instituição	Autor	Título	# Páginas
1	Museu Zoologia	Torquato Tapajós	Estudos sobre o Amazonas	93
2	Museu Zoologia	Antenor Leitão de Carvalho	Arquivos do Museu Nacional - Jacarés do Brasil	30
3	Museu Zoologia	DESCOURTILZ, T. H.	Beija-Flores do Brasil	130
4	Museu Zoologia	Don E. Wilson e DeeAnn M. Reeder (editor)	Mammal Species of the World: a taxonomic and geographic reference. Volume 1.	743
5	Museu Zoologia	Don E. Wilson e DeeAnn M. Reeder (editor)	Mammal Species of the World: a taxonomic and geographic reference. Volume 2.	1400
6	Museu Zoologia	GARDNER, Alfred L.	Mammals of South America Volume 1 Marsupials, Xenarthrans, Shrews and Bats	670
7	Museu Zoologia	HERSHKOVITZ, Philip	Living New World Monkeys (Platyrrhini)	1120
8	Museu Zoologia	Ian J. Kitching; Jean-Marie Cadiou	Hawkmoths of the world	226
9	Museu Zoologia	James A Peters; Braulio Orejas-Miranda	Catalogue of the Neotropical Squamata: Part I Snakes	347
10	Museu Zoologia	James A Peters; Braulio Orejas-Miranda	Catalogue of the Neotropical Squamata: Part II Lizards and Amphisbaenians	340
11	Museu Zoologia	John W. Brown	World Catalogue of Insects V.5	741
12	Museu Zoologia	Malcom J. Scoble	Geometrid Moths of the World V.1	484
13	Museu Zoologia	Malcom J. Scoble	Geometrid Moths of the World V.2	532
14	Museu Zoologia	Paulo E. Vanzolini	História Natural de Organismos Aquáticos do Brasil	452
15	Museu Zoologia	PINTO, Olivério M. de O.	A Ornitologia do Brasil Através das Idades	120
16	Museu Zoologia	PINTO, Olivério M. de O.	Novo Catálogo das Aves do Brasil. Primeira Parte. Aves não Passeriformes não Oscines, com exclusão da família Tyrannidae	510
17	Museu Zoologia	PRADO, Alcides	Serpentes do Brasil	170
18	Museu Zoologia	S. Yu. Sinev	World Catalogue of cosmopterigid moths (Lepidoptera: cosmopterigidae)	182
19	Museu Zoologia	STEINMANN, H.	World Catalogue of Dermaptera	940
20	Museu Zoologia	TSCHUDI, J. J. Von.	Viagem às Províncias do Rio de Janeiro e São Paulo	209
21	Museu Zoologia	Z. P. Metcalf, D.Sc	General Catalogue of the Hemiptera FIV Pt4-7	246

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22	Museu Zoologia	Z. P. Metcalf, D.Sc	General Catalogue of the Homoptera Fascicle IV Pt. 13	550
23	Museu Zoologia	Z. P. Metcalf, D.Sc	General Catalogue of the Homoptera Fascicle VII Pt3	600
24	Museu Zoologia	Z. P. Metcalf, D.Sc	General Catalogue of the Homoptera FI Pt1 Supl.2-1	740
25	Museu Zoologia	Z. P. Metcalf, D.Sc	General Catalogue of the Homoptera FI Section II Supl.2-2	800
26	Museu Zoologia	Z. P. Metcalf, D.Sc	General Catalogue of the Homoptera FIV Pt 15	561
27	Museu Zoologia	Z. P. Metcalf, D.Sc	General Catalogue of the Homoptera FIV Pt 17	80
28	Museu Zoologia	Z. P. Metcalf, D.Sc	General Catalogue of the Homoptera FIV Pt 18	80
29	Museu Zoologia	Z.P. Metcalf, D. Sc	General Catalogue of the Hemiptera Fascicle IV Pt. 8	246
30	Museu Zoologia	Z.P. Metcalf, D. Sc	General Catalogue of the Hemiptera FIV Pt9	365
31	Museu Zoologia	Z.P. Metcalf, D. Sc	General Catalogue of the Homoptera Fascicle IV Pt. 16	199
32	Museu Zoologia	Z.P. Metcalf, D. Sc	General Catalogue of the Homoptera Fascicle VII Pt.4	55
33	Museu Zoologia	Z.P. Metcalf, D. Sc	General Catalogue of the Homoptera Fascicle VII Pt1 T2	60
34	Museu Zoologia	Z.P. Metcalf, D. Sc	General Catalogue of the Homoptera Fascicle VII Pt2	618
35	Museu Zoologia	Z.P. Metcalf, D. Sc	General Catalogue of the Homoptera FVIII Pt1 Section I	585
36	Museu Zoologia	Z.P. Metcalf, D. Sc	General Catalogue of the Homoptera FVIII Pt1 Section II T2-2	335
37	Museu Zoologia		Catalogo de los Mamiferos de America del Sur	433
38	Instituto Butantan	Amaral, Afrânio do	Animais venenosos do Brasil	102
39	Instituto Butantan	Amaral, Afrânio do	Bulletin of the Antiven Institute of America	130
40	Instituto Butantan	Amaral, Afrânio do	A general consideration of snake poisoning and observations on neotropical pit-vipers	110
41	Instituto Butantan	Brazil, Vital	A defesa contra o ophidismo	188
42	Instituto Butantan	Brazil, Vital	La déphense contre l'ophidisme	332
43	Instituto Butantan	Fonseca, Flávio da	Animais peçonhentos	416
44	Instituto Butantan	Hoehne, F. C.	As plantas ornamentaes da flora brasilica e o seu papel como factores da salubridade publica, da esthética rubana e artes decorativas nacionaes	196
45	Instituto Butantan	Hoehne, F. C.	A flora do Brazil : recenseamento de 1920	204
46	Instituto Butantan	Hoehne, F. C.	Botanica : parte XII Contribuição ao conhecimento das leguminosas da Rondonia	68
47	Instituto Butantan	Hoehne, F. C.	Botanica : parte IX bromeliaceas e orchidaceas	86

48	Instituto Butantan	Hoehne, F. C.	Botanica : parte VIII leguminosas	174
49	Instituto Butantan	Kraus, Rodolpho	Noções gerais sobre cobras	120
50	Instituto Butantan	Kraus, Rodolpho; Werner, Franz	Giftschlangen und die serumbehandlung der schlangenbisse	236
51	Instituto Butantan	Leitão, Cândido Firmino de Mello	Estudo monográfico dos escorpiões da República Argentina	118
52	Instituto Butantan	Neiva, Arthur	Revisão do genero triatoma lap.	90
53	Instituto Butantan	Picado T., Clodomiro	Nuestras serpientes venenosas : soroterapia anti-ofídica	72
54	Instituto Butantan	Picado T., Clodomiro	Serpientes venenosas de Costa Rica : sus venenos soroterapia anti-ofídica	236
55	Instituto Butantan	Albin, Eleazar	A natural history of spiders and others curious insects	206
56	Instituto Butantan	Berland, Lucien	Encyclopédie entomologique. Série A, v. 16 - Les arachnides : scorpions, araignées, etc.	396
57	Instituto Butantan	Blackwall, John	A history of the spiders of Great Britain and Ireland	522
58	Instituto Butantan	Comstock, John Henry	The spider book : a manual for the study pf the spiders and their near relatives, the scorpions, pseudoscorpions, whip-scorpions, harvestmen, and other members of the class arachnida, found in America Noth of Mexico, with analytical keys for their classification and popular accounts oh their habits	746
59	Instituto Butantan	Dahl, Friedrich	Die tierwelt Deutschlands und der angrenzenden meeresteile nach ihren merkmalen und ihrer lebensweise. v. 1, tomo 1 - spinnentiere oder arachnoidea : springspinnen (salticidae)	69
60	Instituto Butantan	Decker, João Siegfried	Aspectos biológicos da flora brasileira	678
61	Instituto Butantan	Ditmars, Raymond L.	Snakes of the world	314
62	Instituto Butantan	Fitzsimons, F. W.	Snakes and the treatment of snake bite	80
63	Instituto Butantan	Fitzsimons, F. W.	Snakes	326
64	Instituto Butantan	Hoehne, F. C.	Album da secção de botanica do Museu Paulista e suas dependencias, etc.	235
65	Instituto Butantan	Jan, G.	Elenco sistematico degli ofidi : descritti e disegnati	150
66	Instituto Butantan	Menge, A.	Preussische spinnen	944
67	Instituto Butantan	Ortenburguer, Arthur Irving	The whip snakes and racers : genera masticophis and coluber	371
68	Instituto Butantan	Oudemans, A. C.	The great sea-serpent : na historical and critical treatise	616
69	Instituto Butantan	Rinn, Paul	Le venin des vipères françaises : l'envenimation vipérique et la sérothérapie antivenimeuse	218
70	Instituto Butantan	Schmidt, Karl P.; Davis, Dwight D.	Field book os snakes of the United States and Canada	392

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71	Instituto Butantan	Scortecci, Giuseppe	Gli ofidi velenosi dell'Africa italiana	318
72	Instituto Butantan	Serié, Pedro	Las serpientes de la Argentina	26
73	Instituto Butantan	Aragão, Henrique de Beaurepaire	Zoologia : ixodidas	30
74	Instituto Butantan	Blanchard, Raphaël	L'insecte et l'infection : histoire naturelle et médicale des arthropodes pathogènes. v. 1 acariens	160
75	Instituto Butantan	Bondar, Gregorio	Aleyrodideos do Brasil : catalogo descriptivo dos hemipteros-homopteros da familia dos aleyrodideos, insectos parasitas das plantas, encontrados no Brasil	202
76	Instituto Butantan	Brasil, Ministério da Agricultura, Serviço florestal	Album floristico	145
77	Instituto Butantan	Cunha, Aristides Marques da	Contribuição para o conhecimento da fauna de protozoários do Brazil	118
78	Instituto Butantan	Ducke, Adolpho	Novas contribuições para o conhecimento das vespas (vespidae sociaes) da região neotropical	67
79	Instituto Butantan	Ducke, Adolpho	Sobre as vespidas sociaes do Pará	72
80	Instituto Butantan	Fonseca, Eurico Teixeira da	Plantas Medicinales Brasileñas	118
81	Instituto Butantan	Fremery, Paul de	Over neotenie bij triton taeniatus laur	196
82	Instituto Butantan	Goeldi, Emilio Augusto	Os mamíferos do Brasil	208
83	Instituto Butantan	González, Matías; Coppetti, Víctor; Lombardo, Atilio	Plantae diaphoricae : florum uruguayensis	162
84	Instituto Butantan	Guittou, Eugène	Nouvelle classification zoologique baséé sur les appareils et les fonctions de la reproduction	143
85	Instituto Butantan	Ihering, Rodolpho von	Dicionário dos animais do Brasil	905
86	Instituto Butantan	Ihering, Rodolpho von	Historia natural dos mais interessantes animaes do Brasil	126
87	Instituto Butantan	Koch, C. L.	Übersicht des arachnidensystems	136
88	Instituto Butantan	Lane, J.	Catálogo dos mosquitos neotrópicos	240
89	Instituto Butantan	Lima, A. da Costa	Insetos do Brasil. Tomo 1	490
90	Instituto Butantan	Lima, A. da Costa	Insetos do Brasil. Tomo 2, capítulo 22 - Hemípteros	369
91	Instituto Butantan	Lynch Arribáizaga, Félix	Dipterología argentina	92
92	Instituto Butantan	Magalhães, Agenor Couto de	Ensaio sobre a fauna brasileira	392

93	Instituto Butantan	Martyn, Thomas (org.); Albin, Eleazar; Charles Clerck	Aranei, or a natural history of spiders (including the principal parts of the well known work "English spiders" by Eleazar Albin it's also the whole of the celebrated publication "Swedish spiders" by Charles Clerck	186
94	Instituto Butantan	Museu Paulista; Ihering, Herman von; Ihering, Rodolpho von; Brölemann, Henri W.	Catalogos da fauna brasileira editados pelo Museu Paulista : as aves do Brazil. v. 1; os myriapodos do Brazil, v. 2	656
95	Instituto Butantan	Perrier, Edmond	Anatomie et physiologie animales. 3.ed.	606
96	Instituto Butantan	Perrier, Edmond	Traité de zoologie. v. 7 Les batraciens	155
97	Instituto Butantan	Peryassú, Antonio Gonçalves	Os culicideos do Brazil	510
98	Instituto Butantan	Pessoa, Samuel B.	Contribuição para o conhecimento das espécies brasileiras do genero Phanaeus (Col. Scarabaeidae)	66
99	Instituto Butantan	Philippi, R. A.	Suplementos a los batraquios chilenos descriptor en la Hitória Física e Política de Chile de don Claudio Gay	161
100	Instituto Butantan	Pinto, Cesar	Tratado de parasitologia : arthrópodes parasitos e transmissores de doenças	416
101	Instituto Butantan	Pinto, Cesar	Tratado de parasitologia : arthrópodes parasitos e transmissores de doenças	528
102	Instituto Butantan	Pinto, Cesar	Ensaio monographico dos reduvideos hematophagos ou "barbeiros"	126
103	Instituto Butantan	Pinto, Oliveira M. de Oliveira	Catalogo das aves do Brasil e lista dos exemplares que as representam no Museu Paulista	598
104	Instituto Butantan	Prinzen, Maximilian	Beiträge zur naturgeschichte von Brasilien	654
105	Instituto Butantan	Prinzen, Maximilian	Beiträge zur naturgeschichte von Brasilien	647
106	Instituto Butantan	Prinzen, Maximilian	Beiträge zur naturgeschichte von Brasilien	657
107	Instituto Butantan	Prinzen, Maximilian	Beiträge zur naturgeschichte von Brasilien	516
108	Instituto Butantan	Rodrigues, J. Barbosa	Palmarum Novarum	59
109	Instituto Butantan	Rohr, Carlos Jorge	Estudos sobre ixódidias do Brasil	260
110	Instituto Butantan	Santos, Eurico	Pássaros do Brasil : vida e costumes	330
111	Instituto Butantan	Santos, Eurico	Da ema ao beija-flor : vida e costumes das aves do Brasil	384
112	Instituto Butantan	Siebenrock, Friedrich	Schildkröten von brasilien	50
113	Instituto Butantan	Smith, Malcolm	Monograph or the sea-snakes (hydrophidae)	162

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115	Instituto Butantan	Stejneger, Leonhard	Herpetology of Japan and adjacent territory	676
116	Instituto Butantan	Takaoka, S.	Noções para todos sobre cobreas venenosas no Brasil	126
117	Instituto Butantan	Tambs-Lyche, Hans	Die norwegischen spinnen der gattung pardosa koch	76
118	Instituto Butantan	Taschenberg, Otto	Die giftigen tiere: ein lehrbuch für zoologen, mediziner und pharmazeuten	352
119	Instituto Butantan	Travassos, Lauro; Neiva, Arthur (prefaciador)	Livro jubilar do professor Lauro Travassos	834
120	Instituto Butantan	Verdun, P.	Précis de zoologie	556
121	Instituto Butantan	Werner, Franz	Scorpiones, Pedipalpi	504
122	Instituto Butantan	Werner, Franz	Untersuchungen ueber die zeichnung der schlangen	150
123	Instituto Butantan	Winge, Herluf	Conspectus faunæ Groenlandicæ: mammalia - Grønlands pattedyr	217
124	Jardim Botânico	Almeida, Guilherme de	Contribuição à dendrometria das essências florestais : Dos Relatórios de trabalhos realizados de 1933 a 1937 no Horto Florestal da Gávea	258
Total				41354

Annex 3

Journals scanned by 2013 March

#	Instituições	Títulos	Fascículos	Páginas
1	Museu de Zoologia da USP	Biologico, O	48	2236
2	Museu de Zoologia da USP	Comissão das Linhas Telegráficas Estratégicas de Mato Grosso ao Amazonas	15	2856
3	Museu de Zoologia da USP	Entomologista Brasileiro, O	3	380
4	Museu de Zoologia da USP	Memórias do Museu Goeldi de História Natural e Ethnografia	1	415
5	Museu de Zoologia da USP	Notas Preliminares, Museu Paulista	8	301
6	Museu de Zoologia da USP	Papéis Avulsos do Departamento de Zoologia	7	2197
7	Museu de Zoologia da USP	Publicações do Conselho Nacional de Proteção aos Índios	20	8443
8	Museu de Zoologia da USP	Revista de Sciencias	3	278
9	Museu de Zoologia da USP	Revista do Museu Paulista	12	9757
10	Museu de Zoologia da USP	Atas do Simpósio sobre a Biota Amazônica	7	2404
11	Instituto Butantan	Memórias do Instituto Butantan	73	17196
12	Instituto Butantan	Coletâneas do Instituto Butantan	16	4909
13	Instituto Butantan	Monografias do Instituto Butantan	2	272
14	Instituto Butantan	Revista Brasileira Entomologia	108	17315
15	Jardim Botânico do Rio de Janeiro	A Lavoura	37	11276
16	Jardim Botânico do Rio de Janeiro	Archivos do Instituto de Biologia Vegetal	4	1202
17	Jardim Botânico do Rio de Janeiro	Arquivos do Serviço Florestal	7	2530
18	Jardim Botânico do Rio de Janeiro	Contribuição à Dendrometria das Essências Florestais	1	364
19	Jardim Botânico do Rio de Janeiro	Rodriguesia	58	11588
20	Museu Paraense Emilio Goeldi	Arboretum Amazonicum	3	255
21	Museu Paraense Emilio Goeldi	Boletim do Museu Paraense de História Natural e Ethnographia	11	1957
22	Museu Paraense Emilio Goeldi	Boletim do Museu Paraense de História Natural e Ethnographia (Museu Goeldi)	3	672
23	Museu Paraense Emilio Goeldi	Boletim do Museu Paraense Emilio Goeldi	4	865
24	Museu Paraense Emilio Goeldi	Boletim do Museu Paraense Emilio Goeldi de História Natural e Ethnographia	1	288
25	Museu Paraense Emilio Goeldi	Boletim do Museu Paraense Emilio Goeldi. Ciências Naturais	2	189
26	Museu Paraense Emilio Goeldi	Boletim do Museu Paraense Emilio Goeldi. Nova Série. Zoologia	3	1248
27	Museu Paraense Emilio Goeldi	Memórias do Museu Goeldi (Museu Paraense) de História Natural e Ethnograph	4	1715
Total	4	27	461	103108