

BioOne Complete

Kentucky Dept. for Libraries & Archives
September 16, 2025

Learning Goals

- ▶ Content
- ▶ Access & Special Features
- ▶ Searching the Database
- ▶ Formats & Displays
- ▶ Using personal account

Content

What is BioOne Complete

- ▶ Web-based electronic database
- ▶ Available FREE to you
- ▶ Exclusive remote access to state employees
- ▶ ID (State Library account number) and Password
- ▶ Journal articles and eBooks
- ▶ Full-text

How to use BioOne Complete

- ▶ **Flexible searching**
 - ▶ Words & phrases
 - ▶ All-text
 - ▶ Field searching
 - ▶ Search by state(s)
 - ▶ Search individual titles
 - ▶ Limit by date
- ▶ **Handling the results**
 - ▶ Print, save, email
 - ▶ Personal accounts

What does this
database
include

- ▶ Salkjflasfjsajf;jas

Access & Special Features

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KENTUCKY DEPARTMENT FOR LIBRARIES AND ARCHIVES

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Serving Kentucky's Need to Know

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The Thirty-Ninth Annual Kentucky Archives Institute

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Archives and Records Management Division
Kentucky Department for Libraries and Archives

July 25, 2025

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24	25	26	27	28	29
30	31				

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Searching the Database

Searching

- ▶ Single word or simple combinations of words
- ▶ Link Concepts with Boolean Operators
 - ▶ *AND all terms will be in the result included*
 - ▶ *NOT either or both terms will be in the result*
 - ▶ *OR term will not be included in the result*
- ▶ Important phrases can be put in quotes to keep it together as a search term
 - ▶ i.e. “Daniel Boone”, “Churchill Downs”, “packhorse librarian”

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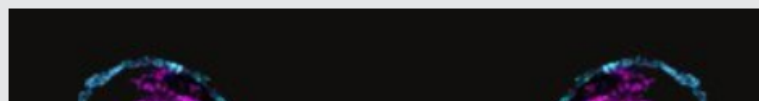


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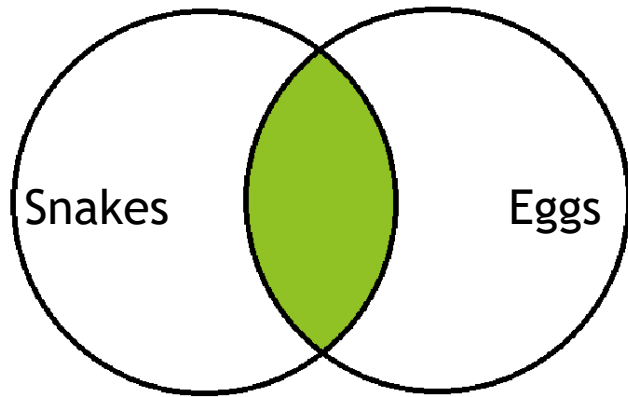
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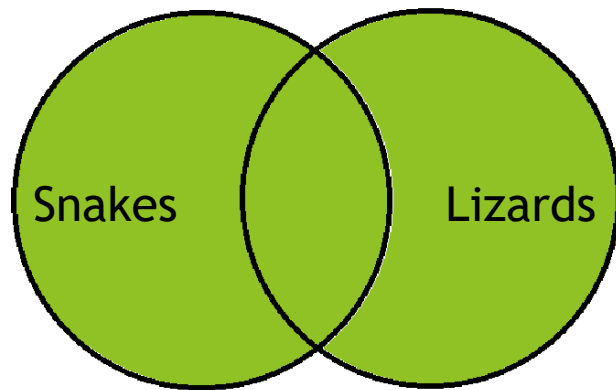
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- ▶ OR either or both terms will be in the result
- ▶ NOT term will not be included in the result

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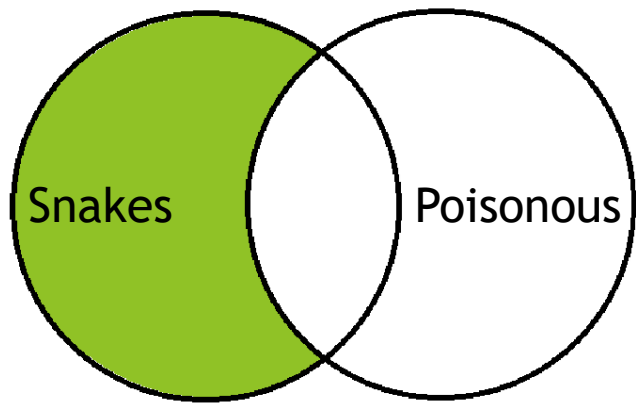
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- ▶ For “Advanced” searches, link concepts with Boolean operators
 - ▶ AND both terms will be in the result
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- ▶ NOT term will not be included in the result

Searching

- ▶ Single word or simple combination of words
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 - ▶ OR either or both terms will be in the result
 - ▶ NOT term will not be included in the result *i.e. Snakes NOT Poisonous*



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 - ▶ OR either or both terms will be in the result
 - ▶ NOT term will not be included in the result
- ▶ Important phrases can be put in quotes to keep it together as a search term
 - ▶ i.e. “Whitetail Deer”, “Kentucky River”, “Botanical Society of America”

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Abstract

Assembled here is a reasonably complete list of annotated codes for historical and modern natural history collections associated with lost and extant specimens of fossil and Recent fishes, amphibians, and reptiles. A total of 3,845 codes are anchored to about 2,064 distinct collections and/or institutions in 155 countries. At least 633 of those collections are exclusively paleontological or include fossil specimens. The list is primarily

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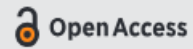
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	Category	Name	Reference
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<i>SNISB-BSPG AS VI 504</i>	Meta-institution	Bayerische Staatssammlung für Paläontologie und Geologie, part of <i>Staatliche Naturwissenschaftliche Sammlungen Bayerns, München</i> (Munich), Germany	Maxwell and López-Arbarelo, 2018
<i>ANSP 182322</i>	Institution with custody and ownership	The <i>Academy of Natural Sciences of Philadelphia</i> , USA	Cavalho et al., 2017
<i>ANSP 187723 (NPS UPDE 2153)</i>	Institution with custody (institution with ownership)	<i>National Park Service</i> , Department of the Interior (Upper Delaware Scenic and Recreational River), USA	Sabaj, 2020 (this study)
<i>CSBD F1702/AJRM 44721</i>	Pana-institution (dual accession)	specimen accessioned at both the Center for the Study of Biological Diversity, University of Guyana and <i>Auburn University Museum of Natural History</i> , USA	Tan et al., 2016
<i>FACEN 0012</i>	Faculty	<i>Facultad Ciencias Exactas y Naturales</i> , Universidad Nacional de Catamarca, Catamarca, Argentina	Fernández and Andreoli Bizi, 2015
<i>FBGZ-SAU F1612sb-186</i>	Department	Aquatic Bioresource Research Laboratory, <i>Department of Fisheries Biology and Genetics</i> , Faculty of Fisheries and Aquaculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	Habib et al., 2019
<i>LBP</i>	Laboratory	<i>Laboratório de Biologia e Genética de Peixes</i> , Departamento de Morfologia, Universidade Estadual Paulista “Júlio de Mesquita Filho”, Campus de Botucatu, Brazil	Ochoa et al., 2020
Taxonomic or Geological			
<i>KUJ 22082</i>	Collection	University of Kansas <i>Ichthyology</i> collection, Lawrence, USA	Schultze and González-Rodríguez, 2016
<i>MMM-CLE</i>	Public Exhibition	<i>Museo Marino de Margarita (colección icnológica-exhibición)</i> , Boca del Río, Isla Margarita, Venezuela	Cervión, 2016
<i>CAR 187</i>	Collector	<i>Private collection of Carlos A. Jorilla Rodríguez</i> , Barranquilla, Colombia	Netto-Ferreira et al., 2011

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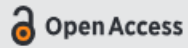
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1. Andrade, M. C., M. Jégu, and C. S. Gama. 2018. A new species of *Myloplus* Gill (Characiformes, Serrasalminae) from the Tumucumaque Mountain Range, Brazil and French Guiana, with comments on *M. rubripinnis*. *Zootaxa* 4403:111–122. [Google Scholar](#)
2. Andreone, F., and E. Gavetti. 2010. I musei naturalistici metropolitani nello studio e nella conservazione della biodiversità erpetologica: il caso del Museo Regionale di Scienze Naturali di Torino. *Museologia Scientifica Memorie* 5:49–61. [Google Scholar](#)

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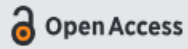
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1. Karla D.A. Soares, Flávia Zanini, "Redescription and anatomical investigation of *Schroederichthys maculatus* Springer, 1966 and *S. saurisqualus* Soto, 2001 with comments on their systematics (Chondrichthyes: Carcharhiniformes: Atelomycteridae)", *Zoologischer Anzeiger* 302, pg. 224, (2023); doi:10.1016/j.jcz.2022.12.003

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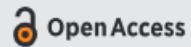
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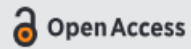
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Codes for Natural History Collections in Ichthyology and Herpetology

Mark Henry Sabaj[Author Affiliations +](#)*Copeia*, 108(3):593-669 (2020). <https://doi.org/10.1643/ASIHCODONS2020>

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Abstract

Assembled here is a reasonably complete list of annotated codes for historical and modern natural history collections associated with lost and extant specimens of fossil and Recent fishes, amphibians, and reptiles. A total of 3,845 codes are anchored to about 2,064 distinct collections and/or institutions in 155 countries. At least 633 of those collections are exclusively paleontological or include fossil specimens. The list is primarily derived from the scientific literature and may serve as a resource for plainly citing specimens in publications and for linking such citations to records in online databases.

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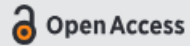
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Mark Henry Sabaj

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Mark Henry Sabaj¹

¹Department of Ichthyology, The Academy of Natural Sciences of Philadelphia, 1900 Benjamin Franklin Parkway, Philadelphia, Pennsylvania 19103; Email: Sabaj@ansp.org or mhs58@drexel.edu.

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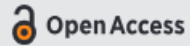
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 - ▶ Use ? in the middle of a word to replace a single letter
 - ▶ Wom?n (*Woman, Women*)

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- ▶ Tips:
 - ▶ “Start simple”
 - ▶ “Look for strange words”
 - ▶ “What’s another word for it”
 - ▶ “Spelling matters”
 - ▶ “CaPiTiliZation doSEn’t matTer”
 - ▶ “Singular = plural”
 - ▶ “Too many hits - Narrow it down”
 - ▶ “Not enough hits ----- Go broad”
 - ▶ “Help helps”

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► Tips:

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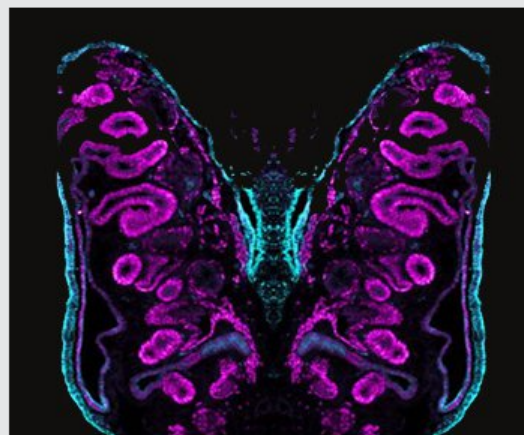


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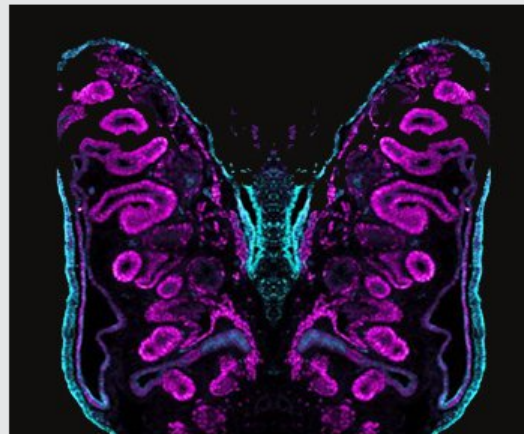


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Enzymes Activity in Tomato Soil Following Animal Waste Application in a Vegetable Field, Agriculture, Kentucky State University, Frankfort, KY 40601

Soil enzymes activities in the rhizosphere of field-grown tomato plants were measured under seven soil amendments (SM) and SM mixed with biochar (B) and SM mixed with biochar after addition of amendments. The soil amendments were: organic manure (CM), vermicompost (worm castings), commercial inorganic fertilizer, commercial organic fertilizer, and native bare soil (used for comparison purposes). Each of the seven amendments was mixed with 10% (w/w) biochar to make total of 14 treatments. The results showed large differences in enzymes activities, secreted by soil microbes, before and after incorporation of soil amendments. Soil analysis revealed that urease activity increased 53% in HM amended soil and about 4 times in CM amended soil 4 months following treatment. CM amended with biochar increased urease activity by 11%. Similarly, significant increase in urease activity in all soil treatments, even in the no-mulch bare soil, were detected. Invertase activity increased significantly after the addition of all soil amendments. Organic manure treatments (SS, CM, HM, and vermicompost) enhanced soil biological activity (microbial biomass and

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Enzymes Activity in Tomato Soil Following Animal Waste Application. GEORGE ANTONIOUS, College of Agriculture, Kentucky State University, Frankfort, KY 40601.

Soil enzymes activities in the rhizosphere of field-grown tomato plants were used to monitor the impact of seven soil amendments (SM) and SM mixed with biochar on soil microbial activity before and 4 months after addition of amendments. The soil amendments were sewage sludge (SS), horse manure (HM), chicken manure (CM), vermicompost (worm castings), commercial inorganic fertilizer, commercial organic fertilizer, and native bare soil (used for comparison purposes). Each of the seven amendments was mixed with 10% (w/w) biochar to make total of 14 treatments. The results showed large differences in enzymes activities, secreted by soil microbes, before and after incorporation of soil amendments. Soil analysis revealed that urease activity increased 53% in HM amended soil and about 4 times in CM amended soil 4 months following treatment. CM amended with biochar increased urease activity by 11%. Similarly, significant increase in urease activity in all soil treatments, even in the no-mulch bare soil, were detected. Invertase activity increased significantly after the addition of all soil amendments. Organic manure treatments (SS, CM, HM, and vermicompost) enhanced soil biological activity (microbial biomass and

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


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
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