Digitization at the NCSU Insect Museum (and soon, the Frost Entomological Museum)



Andrew R. Deans

Frost Entomological Museum at Penn State



NSF Improvements to Biological Research Collections Grant DBI-0847924 (Deans & Wiegmann)

NSF Thematic Collections Network Grant DBI-1115080 (Schuh *et al.*)



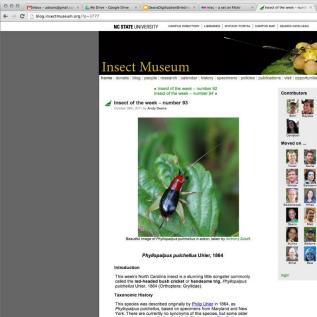


- collection manager
- basic IT support
- well-curated collection
- taxonomic inventory

- static, outdated CF database
- no specimens digitized
- no specimens imaged
- o "off the grid"

Goals of DBI-0847924:

- 1. Expand the storage capacity
- 2. Upgrade cabinets and other storage infrastructure
- 3. Enhance community presence (both professional and non-expert)
- 4. Digitize dried specimens, especially:
 - a. Coccinellidae
 - b. Anthophila
 - c. other interesting taxa



This species was described originally by Philis Uhier in 1964, as Phyliopablay aluehelius, based on specimens from Maryland and New York. There are currently no synonyms of this species, but some older treatments have classified publication short properties. The <u>Christopates File</u> documents the complete taxonomic history of this species. The type specimen repository remains unknown.

Phyllopaipus pulchelius is relatively easy to recognize amongst all the other local crickets, given its beautiful bright red head and pronotum, blackish wings, yellow legs, and oligantic maxiliary paips. Male tegmina (fore wings) are relatively clear and flat, while the female wings are dark and convex, almost like beetle elytra.

Like most crickets, the handsome trig courtship involves males singing (by rubbing their fore wings together) to females. The Macauley Library at Cornel has several great procurings of this species, calls. One can find P. pubchellus in grasses and herbs on field edges and near ditches, and it apparently jumps ever yardily away when discovered. The males call throughout the day and night.

Records in the Global Biodiversity Information Facility reveal and at the Chhopters Species File that Phyliopoleus putchellus is distributed at leasts as far west as Texas, north of littinois and Ohio, southeast to Florida, and northeast to New Jersey. In North Carolina they can be found just about everywhere, as specimens in the NCSU Insect Museum can titled.

- Phyllopalpus pulchellus species page at Orthoptera Species File. Phyllopalpus pulchellus species page at BugGuide. Original description of Phyllopalpus pulchellus by Uniter: Unier, P. R. 1864. Orthopterological contributions. Proceedings of the Entomological Society of Philadelphia 2: 543-555.

kml (right-click, save as) Map Satellite Hybrid

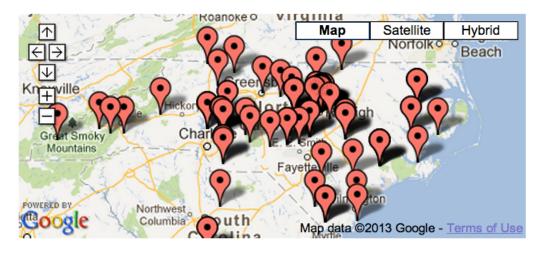


North Carolina Insect of the Week

http://blog.insectmuseum.org/?tag=nc-insect-of-the-week

Map kml (right-click, save as)

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Goals of DBI-0847924:

- 1. Expand the storage capacity
- 2. Upgrade cabinets and other storage infrastructure
- 3. Enhance community presence (both professional and non-expert)
- 4. Digitize dried specimens, especially:
 - a. Coccinellidae
 - b. Anthophila
 - c. other interesting taxa
- 5. Provide online database, updated in real time
- 6. Share data with GBIF
- 7. "Digitize" *all* pinned specimens *via* whole-drawer images







49

51

NCSU 17049

NCSU 17050

NCSU 17051

NCSU 17052

USA: NC: Wake Co.: NCSU Bee Laboratories, 35.723, -78.6734 (±300m), 2.ix.2010

USA: NC: Wake Co.: NCSU Bee Laboratories, 35.723, -78.6734 (±300m), 2.ix.2010

USA: NC: Wake Co.: NCSU Bee Laboratories, 35.723, -78.6734 (±300m), 2.ix.2010

USA: NC: Orange Co.: Eno River State Park, 36.077, -79.013 (±500m), 16.x.2010 C

Comments

Andy Deans -

Share

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f×	Apidae			
	Α	B ▼ C D E	F	G
1	identifier	verbatim_ce latitude longitude otu_name	determiner	data_entry_by
2	NCSU 17000	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 10.xiii.2 36.008 -81.934 Nymphalidae	C. F. Funaro	C. F. Funaro
3	NCSU 17001	, , ,	C. F. Funaro	C. F. Funaro
4	NCSU 17002	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 11.xiii. 36.008 -81.934 Tettigoniidae	C. F. Funaro	C. F. Funaro
5	NCSU 17003	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 11.xiii.2 36.008 -81.934 Scarabaeidae	C. F. Funaro	C. F. Funaro
6	NCSU 17004	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 11.xiii.2 36.008 -81.934 Carabidae	C. F. Funaro	C. F. Funaro
7	NCSU 17005	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 11.xiii.2 36.008 -81.934 Chrysomelidae	C. F. Funaro	C. F. Funaro
8	NCSU 17006	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 11.xiii.2 36.008 -81.934 Cicadellidae	C. F. Funaro	C. F. Funaro
9	NCSU 17008	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 11.xiii.2 36.008 -81.934 Hydropsychidae	C. F. Funaro	C. F. Funaro
10	NCSU 17009	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Pompilidae	C. F. Funaro	C. F. Funaro
11	NCSU 17010	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Halictidae	C. F. Funaro	C. F. Funaro
12	NCSU 17011	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Halictidae	C. F. Funaro	C. F. Funaro
13	NCSU 17012	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Halictidae	C. F. Funaro	C. F. Funaro
14	NCSU 17013	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Pentatomidae	C. F. Funaro	C. F. Funaro
15	NCSU 17014	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Rhopalidae	C. F. Funaro	C. F. Funaro
16	NCSU 17015	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Asilidae	C. F. Funaro	C. F. Funaro
17	NCSU 17017	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Cicadellidae	C. F. Funaro	C. F. Funaro
18	NCSU 17018	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Cicadellidae	C. F. Funaro	C. F. Funaro
19	NCSU 17019	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 12.xiii.2 36.008 -81.934 Acrididae	C. F. Funaro	C. F. Funaro
20	NCSU 17020	USA: NC: Wake Co.: NCSU Campus, 35.787, -78.673 (±1000m), 15.ix.2010, CFFF 35.787 -78.673 Forficulidae	C. F. Funaro	C. F. Funaro
21	NCSU 17021	USA: NC: Wake Co.: NCSU Campus, 35.787, -78.673 (±1000m), 15.ix.2010, CFFF 35.787 -78.673 Apidae	C. F. Funaro	C. F. Funaro
22	NCSU 17022	USA: NC: Wake Co.: NCSU Campus, 35.787, -78.673 (±1000m), 16.ix.2010, CFFF 35.787 -78.673 Carabidae	C. F. Funaro	C. F. Funaro
23	NCSU 17023	USA: NC: Wake Co.: NCSU Campus, 35.787, -78.673 (±1000m), 25.ix.2010, CFFF 35.787 -78.673 Scarabaeidae	C. F. Funaro	C. F. Funaro
24	NCSU 17024	USA: NC: Wake Co.: 5312 Silver Moon Lane, 35.752, -78.712 (±1000m), 11.ix.2010, 35.752 -78.712 Vespidae	C. F. Funaro	C. F. Funaro
25	NCSU 17025	USA: NC: Wake Co.: 5312 Silver Moon Lane, 35.752, -78.712 (±1000m), 11.ix.2010, 35.752 -78.712 Papilionidae	C. F. Funaro	C. F. Funaro
26	NCSU 17026	USA: NC: Wake Co.: 5312 Silver Moon Lane, 35.752, -78.712 (±1000m), 11.ix.2010 35.752 -78.712 Papilionidae	C. F. Funaro	C. F. Funaro
27	NCSU 17027	USA: NC: Wake Co.: 5312 Silver Moon Lane, 35.752, -78.712 (±1000m), 11.ix.2010 35.752 -78.712 Papilionidae	C. F. Funaro	C. F. Funaro
28	NCSU 17028	USA: NC: Johnston Co.: Clayton Bayer Envrironmental Sciences, 35.647, -78.431 (; 35.647 -78.431 Ichneumonidae	C. F. Funaro	C. F. Funaro
29	NCSU 17029	USA: NC: Avery Co.: Crossnore Helitack Lodge, 36.008, -81.934 (± 1000m), 11.xiii.2 36.008 -81.934 Alydidae	C. F. Funaro	C. F. Funaro
30	NCSU 17030	USA: NC: Scotland Co.: Sandhills Game Lands, 34.980, -79.558 (±500m), 19.iv-4.v. 34.98 -79.558 Myrmeleontidae	C. F. Funaro	C. F. Funaro
31	NCSU 17031	USA: NC: Scotland Co.: Sandhills Game Lands, 34.980, -79.558 (±500m), 19.iv-4.v. 34.98 -79.558 Phengodidae	C. F. Funaro	C. F. Funaro
32	NCSU 17032	USA: NC: Scotland Co.: Sandhills Game Lands, 34.980, -79.558 (±500m), 19.iv-4.v. 34.98 -79.558 Ichneumonidae	C. F. Funaro	C. F. Funaro
33	NCSU 17033	USA: NC: Scotland Co.: Sandhills Game Lands, 34.980, -79.558 (±500m), 19.iv-4.v. 34.98 -79.558 Elateridae	C. F. Funaro	C. F. Funaro
34	NCSU 17034	USA: NC: Scotland Co.: Sandhills Game Lands, 34.980, -79.558 (±500m), 19.iv-4.v. 34.98 -79.558 Dolichopodidae	C. F. Funaro	C. F. Funaro
35	NCSU 17035	USA: NC: Scotland Co.: Sandhills Game Lands, 34.980, -79.558 (±500m), 19.iv-4.v. 34.98 -79.558 Megachilidae	C. F. Funaro	C. F. Funaro
36	NCSU 17036		C. F. Funaro	C. F. Funaro
37	NCSU 17037	USA: NC: Scotland Co.: Sandhills Game Lands, 34.980, -79.558 (±500m), 19.iv-4.v. 34.98 -79.558 Ichneumonidae	C. F. Funaro	C. F. Funaro
38	NCSU 17038	USA: NC: Scotland Co.: Sandhills Game Lands, 34.980, -79.558 (±500m), 19.iv-4.v. 34.98 -79.558 Asilidae	C. F. Funaro	C. F. Funaro
39	NCSU 17039	USA: NC: Wake Co.: NCSU Bee Laboratories, 35.723, -78.6734 (±300m), 2.ix.2010 35.723 -78.673 Arctiidae	C. F. Funaro	C. F. Funaro
40	NCSU 17040	USA: NC: Wake Co.: NCSU Bee Laboratories, 35.723, -78.6734 (±300m), 2.ix.2010 35.723 -78.673 Noctuidae	C. F. Funaro	C. F. Funaro
41	NCSU 17041	· · · · · · · · · · · · · · · · · · ·	C. F. Funaro	C. F. Funaro
42	NCSU 17042		C. F. Funaro	C. F. Funaro
43	NCSU 17043	, , , , , , , , , , , , , , , , ,	C. F. Funaro	C. F. Funaro
44	NCSU 17044		C. F. Funaro	C. F. Funaro
45	NCSU 17045		C. F. Funaro	C. F. Funaro
46	NCSU 17046	USA: NC: Wake Co.: NCSU Bee Laboratories, 35.723, -78.6734 (±300m), 2.ix.2010 35.723 -78.673 Flatidae NO Issidae/Acanald		C. F. Funaro
47	NCSU 17047		C. F. Funaro	C. F. Funaro
48	NCSU 17048		C. F. Funaro	C. F. Funaro
40	NICCLI 47040	LICA, NO. Well- O- , NOOLI D L-bt 05 700 - 70 0704 (1000) 0 to 0040 - 05 700 - 70 070 Lib-liuiti	O F F	O F F

35.723

35.723

35.723

36.077

-78.673 Libellulidae

-78.673 Libellulidae

-79.013 Passalidae

-78.673 Mantidae

C. F. Funaro

show edit

Material	OTUs	Content	Measurements	Refs	Taxon names	Images	Tags	
Specimens	Lots	Lot groups	Collecting Events	Distribu	ution Repositori	es Geogra	aphical Na	mes

new | list more options ...

Find by identifier(s):

enter 1 or more identifiers or partial identifiers seperated by spaces

Listing specimens

Ordered by Identifier, then mx ID.

VIEW PAGE: previous next 1 2 3 4 5 6 3128 refresh current							0 of 62550					
identifiers	most recent det	collecting event	sex	dna ok	rep.	maps?	mx id	mod by	mod age			
mx_id: 26585	Pteroceraphron mirabilipennis Dessart, 1981 by: István Mikó	Ontario, St. Lawrence national Park		no		yes	26585	bblinn		Image	Tag Show E	dit Destroy
mx_id: 35318	Ectoedemia platanella (Clemens, 1861) by: Patricia Mullins			no		no	35318	pmullins	years		Tag Show E	
mx_id: 47931	Lygocoris betulae by: Bob Blinn	USA NC Wake Co. NCSU Campus 5-V-1994 R.L. Blinn Taken on Betula nigra		no	NCSU	yes	47931	bblinn	almost 2 years	Image	Tag Show E	dit Destroy
mx_id: 53629	Corythucha ciliata by: Bob Blinn	USA: NC Wake Co. NCSU Campus 12-V-1995 L.L. Deitz on Quercus alba		no	NCSU	yes	53629	bblinn	year		Tag Show E	
mx_id: 61418	Miridae by: Andy Deans	USA: NC: Durham Co.: Hill Demonstration Forest. 36.201, - 78.887 (+/-500m), 23-25.ix.2011 R. Edman ENT502 Field Trip		no		yes	61418	adeans	about 1 year	Image	Tag Show E	dit Destroy
mx_id: 67904	Ceratina by: Tanner Stanfield	USA: N.Carolina, Moore Co. Walthour-Moss Foundation 35.2198, -79.3092 (10-5) 30 June 2012, bee bowls H.M. Campbell	female	no	NCSU	yes	67904	tstanfield	6 months	Image	Tag Show E	dit Destroy
AMNH_PBI 125958	Coquillettia mimetica by: Bob Blinn	Jackson Co. Wis Millston Cranberry Bog 7-7-70 C.F. Koval	male	no	NCSU	yes	75326	bblinn	29 days		Tag Show E	
AMNH_PBI 125959	Coquillettia mimetica by: Bob Blinn	Jackson Co. Wis Millston Cranberry Bog 7-7-70 C.F. Koval	male	no	NCSU	yes	75327	bblinn	29 days		Tag Show E	
AMNH_PBI 125960	Coquillettia mimetica by: Bob Blinn	July 10, 1897 Mass.Lexington C.Bullard	male	no	NCSU	yes	75328	bblinn	29 days	-	Tag Show E	
AMNH_PBI 125961	Coquillettia mimetica by: Bob Blinn	USA: NC; Moore Co. Southern Pines; Moss Foundation Property 18-V-1994 R.L. Blinn E Wiregrass	Ex. male	no	NCSU	yes	75329	bblinn	29 days		Tag Show E	
AMNH_PBI 125967	Coquillettia mimetica by: Bob Blinn	USA: NC; Moore Co. Southern Pines; Moss Foundation Property 18-V-1994 R.L. Blinn E Wiregrass	Ex. male	no	NCSU	yes	75330	bblinn	29 days	Image	Tag Show E	dit Destroy
AMNH_PBI 125968	Coquillettia mimetica by: Bob Blinn	USA: NC; Moore Co. Southern Pines; Moss Foundation Property 18-V-1994 R.L. Blinn E Wiregrass	Ex. female	no	NCSU	yes	75332	bblinn	29 days		Tag Show E	
AMNH_PBI 125969	Coquillettia mimetica by: Bob Blinn	USA: NC; Moore Co. Southern Pines; Moss Foundation Property 18-V-1994 R.L. Blinn E Wiregrass	Ex. male	no	NCSU	yes	75331	bblinn	29 days		Tag Show E	
AMNH_PBI 125970	Coquillettia nigrothorax by: Bob Blinn	UTAH: Washington Co. Red Cliffs Campgr 8.X 1983 David McClain	male	no	NCSU	yes	75325	bblinn	29 days	Image	Tag Show E	dit Destroy
NCSU 0002376	Braconidae by: Andy Deans	USA: N. Carolina: Avery Co.: Crossnore, Linville Falls Hwy., 36.00908°N 81.93193°W 12.viii.2010, P.L. Mullins sweeping field		no		yes	45247	adeans	years		Tag Show E	
NCSU 0002377	Calopterygidae by: Andy Deans	USA: N. Carolina: Avery Co.: Pisgah National Forest, Linville Falls Hwy., 36.00908°N 81.93193°W 17.vii.2010, P.L. Mullins Sweeping		no		yes	45697	adeans	about 2 years	Image	Tag Show E	dit Destroy
NCSU 0002378	Hesperiidae by: Andy Deans	USA: NC: Wake Co.: NCSU, Gardner Hall 35.7875°N 78.6720°W 5.iv.2010, P.L.Mullins		no		yes	45681	adeans	years		Tag Show E	
NCSU 0002789	Merope tuber by: Patricia Mullins	USA: NC. Swain Co. GSMNP, Big Cove Rd. Site #1, N 35° 31.145′, W 83° 17.770 30-vi-vii-2001 Col. B.M. Weigmann and B.K. Cassel Ravensford Site Project	7- male	no	NCSU	yes	773		years	_	Tag Show E	
NCSU 0002790	Merope tuber by: Patricia Mullins	USA: NC. Swain Co. GSMNP, Big Cove Rd. Site #1, N 35° 31.145′, W 83° 17.770 30-vi-vii-2001 Col. B.M. Weigmann and B.K. Cassel Ravensford Site Project	7- female	no	NCSU	yes	772	pmullins	about 3 years	Image	Tag Show E	dit Destroy
NCSU 0002791	Merope tuber by: Patricia Mullins	USA: N. Carolina Swain Co., Bryson City 1.5 mi. NW Jct. HWY 19+HWY 74 4-v-1998 B. Cassel	male	no	NCSU	yes	771	pmullins	about 3 years	Image	Tag Show E	dit Destroy

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NCSU Insect Museum Specimen Database Portal

A note on the NCSU Insect Collection holdings. The search by Taxon Name presently includes the names of the vast majority of the specimens present in the collection. When a search result returns no matching specimens this indicates only that those specimens have not yet been digitized. Please contact Bob Blinn if you have questions.

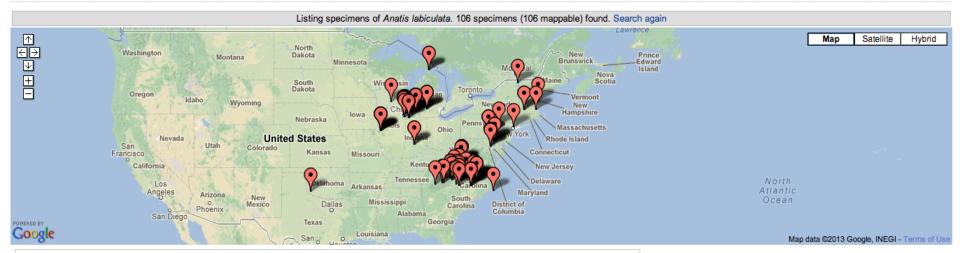
This project contains 62550 specin	nens (1524 type specimens), 39779 OTUs, and a taxonomic catalog of 41301 names.
Find specimens	
By Taxon Name	
The search will begin as soon as you enter text. You must select (clie	ck) on a result prior to clicking the search button.
	search
By Specimen Identifier For example "12312, 321". Namespaces are ignored at present (e.g. t	the NCSU in "NCSU 1231").
(-3,	search
By Type list	
A list of primary types in the collection.	
Show type list.	

[Site Credits] [Support Us] Questions about the museum? Contact Bob Blinn: bblinn/span> ncsu dot edu Department of Entomology, Box 7613, North Carolina State University, Raleigh, NC 27695-7613 USA +1 919 515 3595 (ph), +1 919 515 7746 (fax) Privacy Statement and Policy Disclaimer

http://specimens.insectmuseum.org/

NCSU Insect Museum Specimen Database Portal

Search result



identifier(s)	tied geography	locality	date	collector	method	latitude	longitude	images	type
NCSU 12209						43.074	-89.401	0	No
NCSU 12210						40.459	-90.672	0	No
NCSU 12211						40.459	-90.672	0	No
NCSU 12212						40.459	-90.672	0	No
NCSU 12213						40.459	-90.672	0	No
NCSU 12214						40.459	-90.672	0	No
NCSU 12215	USA: North Carolina: Wake Co.					35.775	-78.647	0	No
NCSU 12216	USA: North Carolina: Wake Co.					35.775	-78.647	0	No
NCSU 12217	USA: North Carolina: Wake Co.					35.775	-78.647	0	No
NCSU 12218	USA: North Carolina: Wake Co.					35.775	-78.647	0	No
NCSU 12219						35.174	-79.392	0	No
NCSU 12220						42.186	-86.308	0	No
NCSU 12221						42.186	-86.308	0	No
NCSU 12222						42.186	-86.308	0	No
NCSU 12223						42.186	-86.308	0	No
NCSU 12224						42.186	-86.308	0	No
NCSU 12225						42.186	-86.308	0	No
NCSU 12226						42.186	-86.308	0	No
NCSU 12227						42.186	-86.308	0	No
NCSU 12228						42.186	-86.308	0	No
NCSU 12229						42.186	-86.308	0	No
NCSU 12230						42.186	-86.308	0	No
NCSU 12231						42.186	-86.308	0	No
NCSU 12232						42.186	-86.308	0	No
NCSU 12233						42.186	-86.308	0	No
NCSU 12234						40.203	-77.195	0	No
NCSU 12235						40.203	-77.195	0	No
NCSU 12236						35.775	-78.647	0	No
NCSU 12237						43.134	-70.926	0	No
NCSU 12238						40.203	-77.195	0	No
NCSU 12239						35.426	-82.757	0	No
NCSU 12240						34.696	-76.557	0	No
NCSU 12241						35.323	-83.807	0	No
NCSU 12242						35.913	-79.056	0	No
NCSU 12243						40.459	-90.672	0	No
NCSU 12244						40.459	-90.672	0	No
NCSU 12245	USA: North Carolina: Burke Co.	Linville Falls	25.6.1920	F. Sherman		35.959294	-81.94289	0	No



NCSU Insect Museum Specimen Database Portal

Specimen record

Determinations

Click on an OTU to show all material for that OTU

Anatis labiculata (Say, 1824) by: Bob Blinn Arthropoda → Insecta → Coleoptera → Coccinellidae → Coccinellinae → Anatis

Identifiers

NCSU 26705

Repository/location

Disposition (location etc.):

Repository: USA, Raleigh, North Carolina, North Carolina State University Insect

Museum

Attributes

Sex:

Stage: adult

DNA usable: false

Preparations:

Parent (e.g. part of whole specimen):

Notes

Daggy #64165

Record details

Last updator: Bob Blinn

Creator: Bob Blinn

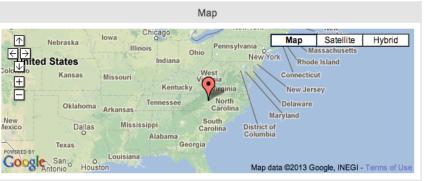
Created on: over 2 years ago Last updated: over 2 years ago

Is public?: Yes

Images



Associated collecting event



<u>link</u>

Verbatim label

Rocky Face, Alexander Co., N.C. IV-1, 1973 Tom Daggy

Verbatim label md5: 69ad5c89bbd39bd804de49e07ffb9577

Locality

Geography:

Tied Geography: none

Locality: Elevation: ()

Date/time

Date range:

Time start: Time end:

Collection Method

Determined:

Verbatim:

Georeferencing

Verbatim latitude:

Verbatim longitude:

Determined lat/long: 35.972N, -81.109W Determined uncertainty (m): 5000

Lat/long undeterminable:

Locality accuracy confidence

Georeference sources:

What about images of individual specimens?







Beautiful image of Phyllopalpus pulchellus that shows many of the diagranters: photo taken by Patrick Coin

characters; photo taken by Patrick C

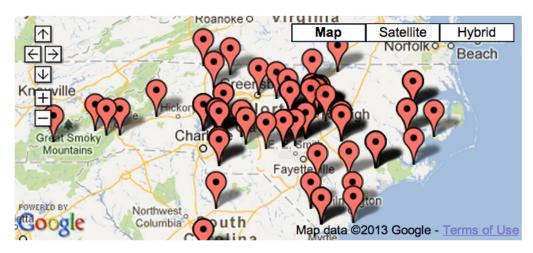
North Carolina Insect of the Week

http://blog.insectmuseum.org/?tag=nc-insect-of-the-week

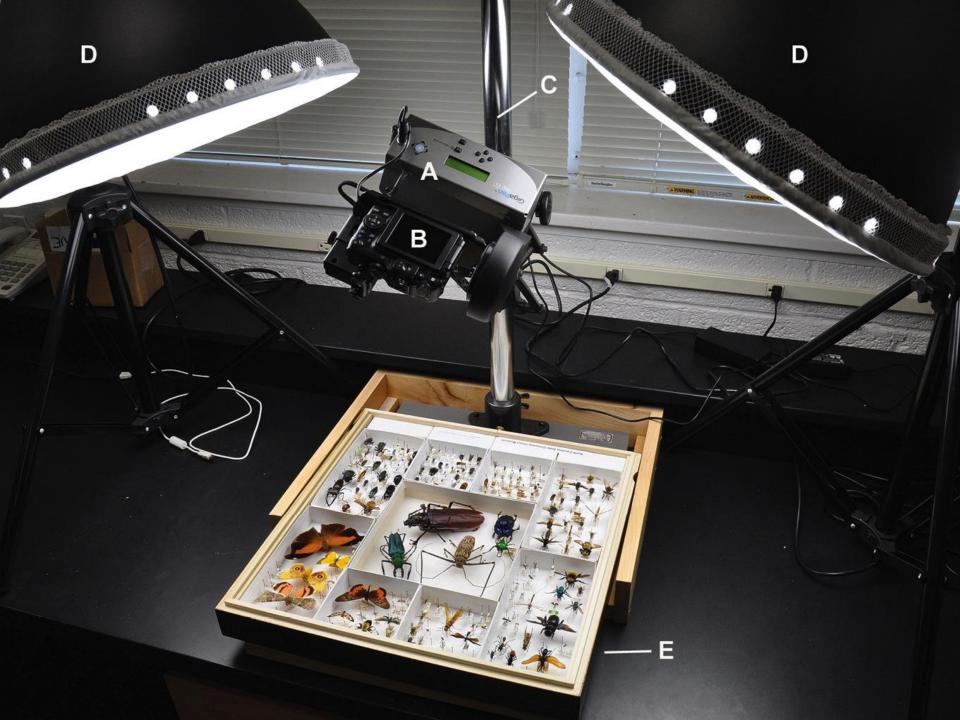
Map kml (right-click, save as)

☆ 🏧 🕝 🗉

Wieler Satrann
Satrannweki Hines
Doans Mao



species pages shared with EOL (example)







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No specimen left behind: mass digitization of natural history collections



ZooKeys 209 (2012) Special Issue

No specimen left behind: mass digitization of natural history collections

Vladimir Blagoderov & Vincent Smith

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Taxa: Insecta (3) Porifera (1) Arthropoda (1)

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Authors

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Vincent Smith, Vladimir Blagoderov

 Bringing collections out of the dark Editorial

tne dark

Pages: 1-6 | Viewed by: 561

Abstract | HTML | XML | PDF



Matthew Bertone, Robert Blinn, Tanner Stanfield, Kelly Dew, Katja Seltmann, Andrew Deans

 Results and insights from the NCSU Insect Museum GigaPan project Research Article

http://bit.ly/ZooKeys













2,661 GigaPans >800,000 specimens

>350,000 views

~100 views per drawer

<\$2,000 equipment

\$7000 labor











54



Take a snapshot



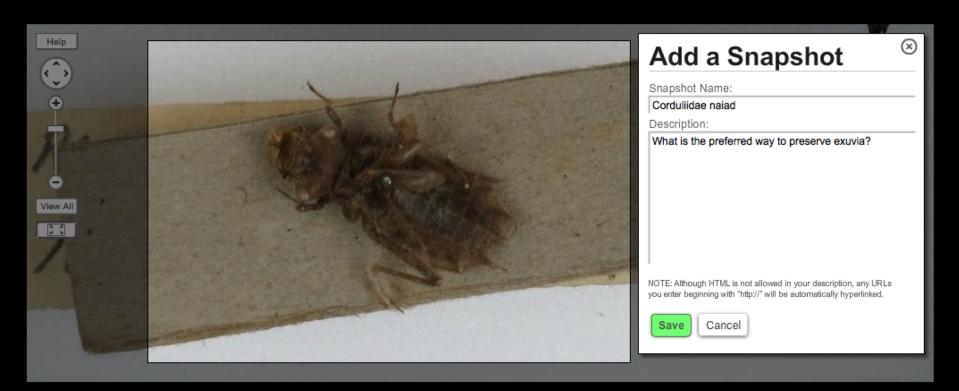
Intersecti... <u>P</u> 0



Take a snapshot



Intersecti...







Intersecti... **,** 0

What's different at the Frost Entomological Museum?

What would we do differently, given our experiences at NCSU?



What's different at the Frost Entomological Museum?

What would we do differently, given our experiences at NCSU?

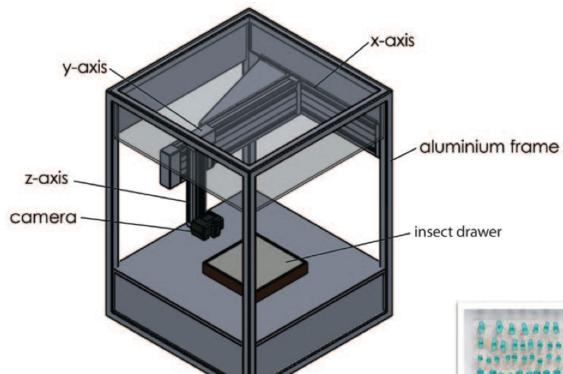
The situation:

- basic IT support
- well-curated collection
- Friends of the Frost!

- no collection manager ... yet
- no database (old Specify)
- no taxonomic inventory (at least to sp. level)
- no specimens digitized
- no specimens imaged
- o "off the radar"
- must address infrastructure issues

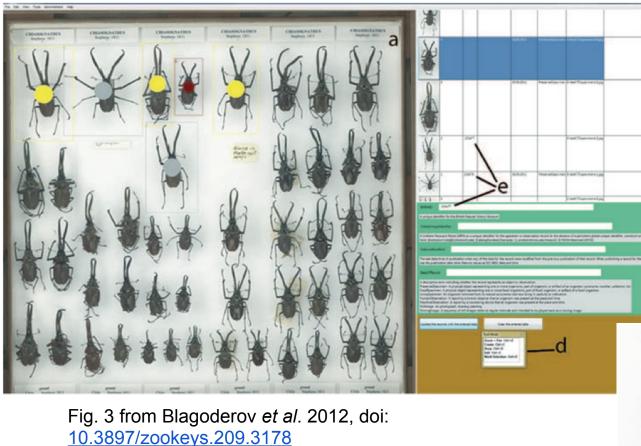
- Outsource! (no server, so work with Species File, no label printer)
- Digitize Odonata!
- Whole drawer scanning? Not yet.





Figs. 1 and 4 from Schmidt *et al.* 2012, doi: 10.3897/zookeys.209.3115





10.3897/zookeys.209.3178

Fig. 6 from Mantle *et al.* 2012, doi: 10.3897/zookeys.209.3169

Acknowledgments

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Matt Bertone, for getting us off the ground - unit and workflow testing.

Kelly Dew-Budd, Tanner Stanfield, Melissa Blinn, et al. for helping us digitize!

visit this talk from ICE 2012 in Daegu: http://bit.ly/CampbellDeansICE2012