



**fossil
insect
COLLABORATIVE**



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DIGITIZATION PROGRESS



Digitize and make available online all the major collections of fossil insect specimens in the United States

- Year 4 of Project: 8 funded; 2 federal partners, 1 volunteer
 - CU-Boulder, AMNH, Yale, Harvard, UK, INHS, VMNH + UCMP
 - NMNH & Florissant Fossil Beds NM
 - University of Oklahoma
- Specimen Records: >170,000 (70% of original goal)
- Images: ~67,000 (87% of original goal)

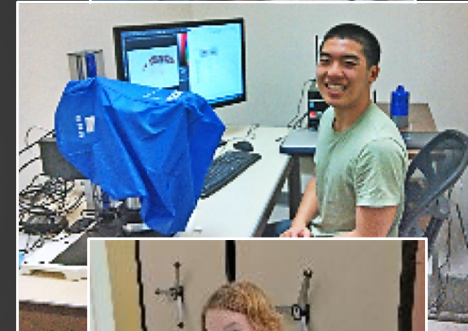


DIGITIZATION PROGRESS (PEN)



Digitize and make available the UCMP Cenozoic fossil insect collections


- Year 2 of Project:
 - Specimen Records: ~6,000 (~100% of original goal)
 - Images: ~5,800 (~90% of original goal)
- 3 UGWSs, 2 Grads, 1 Visiting Scholar, 6 URAPs



- Five institutions contributing directly to iDigBio via IPT
- 9 institutions are contributing some data/images to our project aggregator iDigPaleo.org, which is now live!
- our BFIP data is also being served to EOL, UCMP.berkeley.edu, and high res images online through Calphotos.berkeley.edu

CalPhotos Photo Database

Click photo for enlargement
ZOOM IN to see image details



Class Insecta

Photographer: [Marwa W. El-Faramawy](#)
Collection: [UCMP](#)
Project: [Berkeley Fossil Insect PEN \(iDigPaleo\)](#)

ID: 0000 0000 1215 3782 (2015-12-28)
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INFORMATION PROVIDED WITH THE PHOTO

- **date of photo** Nov 16, 2015
- **location** Stewart Valley Three Hs (Mineral County, Nevada, US)
- **class** Insecta
- **camera** Canon 5D Mark III with MP-E 65mm lens
- **View UCMP locality** [IP15204](#)
- From the collection of the UC Museum of Paleontology Specimen No. [399937](#)
- [View all photos](#) for this specimen
- photo category: Fossil - Invertebrate
- original filename: UCMP_IP15204_399937.jpg

Genus and species were not provided for this photo. [Click here](#) to review the identification or add a comment.

CalPhotos Photo Database

Class Insecta 1215 3782

View all photos

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Zoom mode

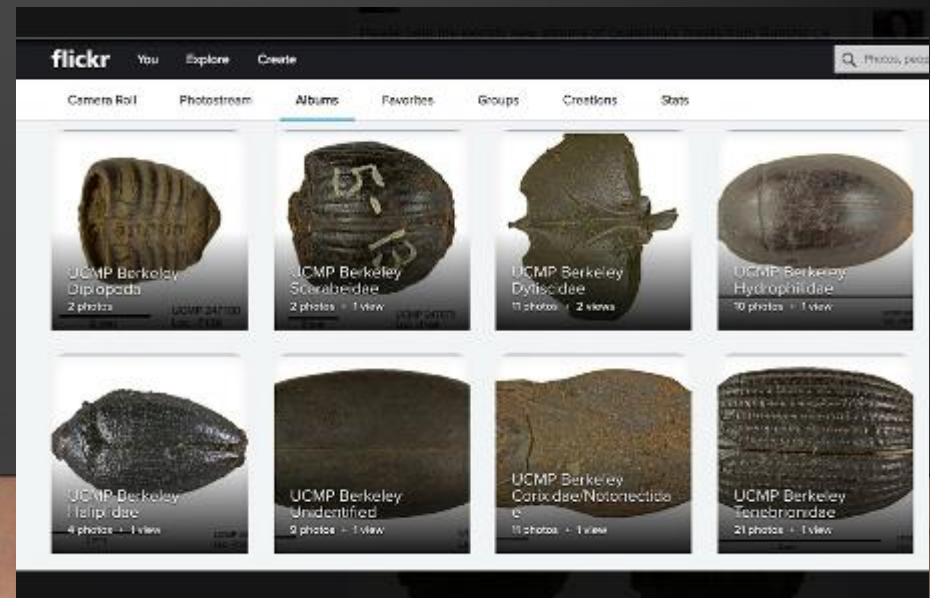


UCMP 399937
Loc. IP15204

1 mm

RESEARCH USE OF DATA

- E-Loans are up!
 - Researchers worldwide working on systematics projects
 - Several papers submitted and published in 2016; presentations at major meetings
- Addressing broad questions:
 - Data generation nearly complete
 - Berkeley PEN tar pit insect data: Anna Holden, PhD candidate, AMNH





- T. Karim – TCN management
- S. Butts & C. Norris – iDigPaleo development
 - Cretaceous World TCN
 - Broader Impacts Piece in other proposals
- ePANDDA – Enhancing PAleontological and Neontological Data Discovery API
- PENs: two submitted



LESSONS LEARNED



- Jot Forms for bi-monthly reports (Thanks EPICC!)
- Publishing data via IPT
- Polarizing filter
- Curriculum Development for iDigPaleo
 - *Partnering with experts at Paleontological Research Institute, PBDB, and Raymond Alf Museum*



Acknowledgements

Development of iDigPaleo is supported through NSF EF 1305027: Digitization TCN: Collaborative Research: Fossil Insect Collaborative: A deep-time approach to studying diversification and response to environmental change



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ePANDDA is supported through NSF ICER 1540984: EarthCube IA. Collaborative Proposal: ePANDDA: Enhancing Paleontological and Neontological Data Discovery API



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