

Recent Science Acquisitions

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Why We Collect

- Legal mandates in Education Law
 - §233 State Museum; collections made by the staff.
 - §233a Property of the state museum.
 - §234 Indian collection.
 - §235 State science service.
 - §235-b New York state biological survey.
- The Museum is the only institution with a mandate to document all of New York's natural and cultural histories through three-dimensional objects.
- Practical reasons
 - Documentation
 - Preservation

What We Collect

- Anthropology
 - Ethnography
 - Historical Archaeology
 - Native American Archaeology
- Biology
 - Botany and fungi
 - Decapoda (crustaceans)
 - Entomology (insects)
 - Herpetology (amphibians)
 - Ichthyology (fish)
 - Malacology (mollusks)
 - Mammalogy
 - Natural History Illustrations
 - Vertebrate paleontology (Ice-Age animals)
- Geology
 - Minerals
 - Rocks
 - Glacial deposits
 - Paleontology

Where New Collections Originate

- Museum scientists
 - Research
 - Salvage
- Scientists in other institutions
 - Universities
 - State agencies
 - Private sector
- Citizen (avocational) scientists
- Members of the general public

Acquisition Examples

August 2016—July 2017

Archaeology



12,500-year-old Native American artifacts from Green County.
Citizen-scientist, Tom Weinman collection of artifacts from 39 New York
archaeological sites.



Smoking Pipe



Delft bowl



Bottle



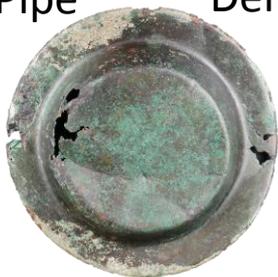
Bellamine bottle



Delft tile



Horse bridle boss



Copper plate



Mouth harp



Tack

Early 17th-century Fort Orange, Albany

NYS Office of Parks, Recreation, & Historic Preservation

Late 17th-century Schuler Flats, Albany County

NYS Office of Parks, Recreation, & Historic Preservation



Button



Buckle



Smoking Pipe



Brush and tooth brushes



Smoking Pipe



Saucer



Spoon

Shoe



Pitcher

18th-century World Trade Center Ship, Manhattan

Lower Manhattan Development Corporation

Late 19th-century Broome Street, Manhattan

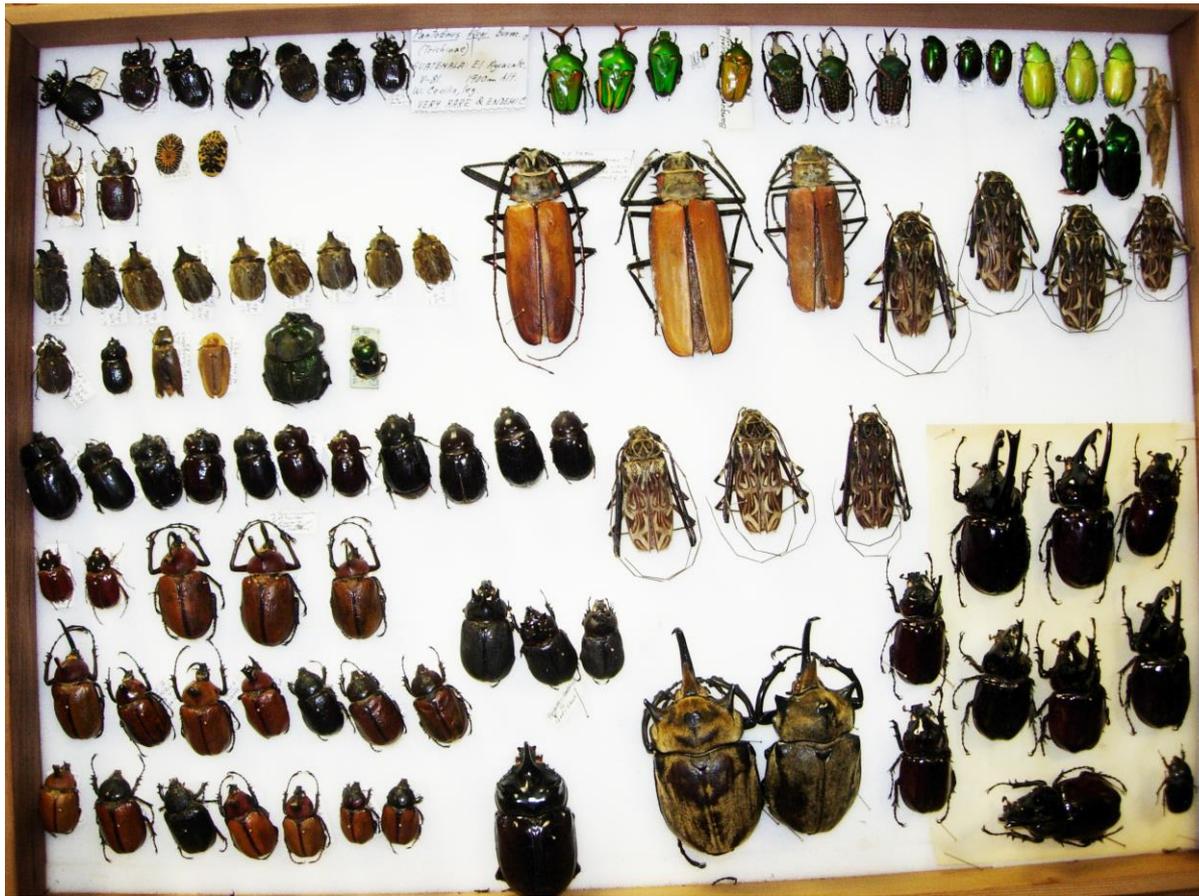
The Graduate Center-CUNY



18th-century World Trade Center Ship

Biology

Entomology



Over 10,000 insects from Mr. Howard Romack, a retired biology teacher from Cambridge, N.Y. The collection includes specimens from New York and tropical locations.

Ichthyology



Speckled Worm Eel (*Myrophis punctatus*)

Previously unreported in New York

HDR Nyack Laboratory (Nanuet, NY)

This collection contained 695 lots and 1394 specimens of fishes collected from the entire length of the Hudson River, New York Harbor and the Long Island Sound, and locations in the Mid-Atlantic and Midwest.

Staff collected 219 lots (801 individual specimens) of fishes in the Allegheny River watershed in June.



Variegate darter (*Etheostoma variatum*)

Ornithology



Virginia's Warbler (*Oreothlypis virginiae*)



Prepared specimen

First specimen collected in eastern North America. Natural range in Southwestern US and Mexico, with isolated populations in Wyoming and South Dakota. Donated by Richard Guthrie, who also salvaged the dead bird for the NYSM.

Geology

Bedrock Core



RUN	DEP.	ELEV.		Recovery		BOX !!		OS- #3850
		TO	FROM	%	FT	NO	PCS	
22 CONTD.	356.00	366.00	-317.50	-327.50	98%	98%	7	5 (1/24 in 2)
23	366.00	376.00	-327.50	-337.50	10.1	101%	98	5 (1/24 in 3)
24	376.00	386.00	-337.50	-347.50	10.14	101%	90	11 (1/24 in 4)



Eight bedrock cores collected in Manhattan from New York City Department of Environmental Protection. The cores documents important rock formations upon which Manhattan is built.

Mineralogy



Celestine, Niagara County
Academy of Mineralogy



Travertine, St, Lawrence County
Dr. Steve Chamberlain



Fluorite in Dolomite, Niagara County
Academy of Mineralogy



Calcite, St. Lawrence County
Dr. George Robinson

Paleontology



Genselia (Triphyllopteris) sp.
Lower Carboniferous



Fern-like foliage
Carboniferous



Petrified wood
Triassic

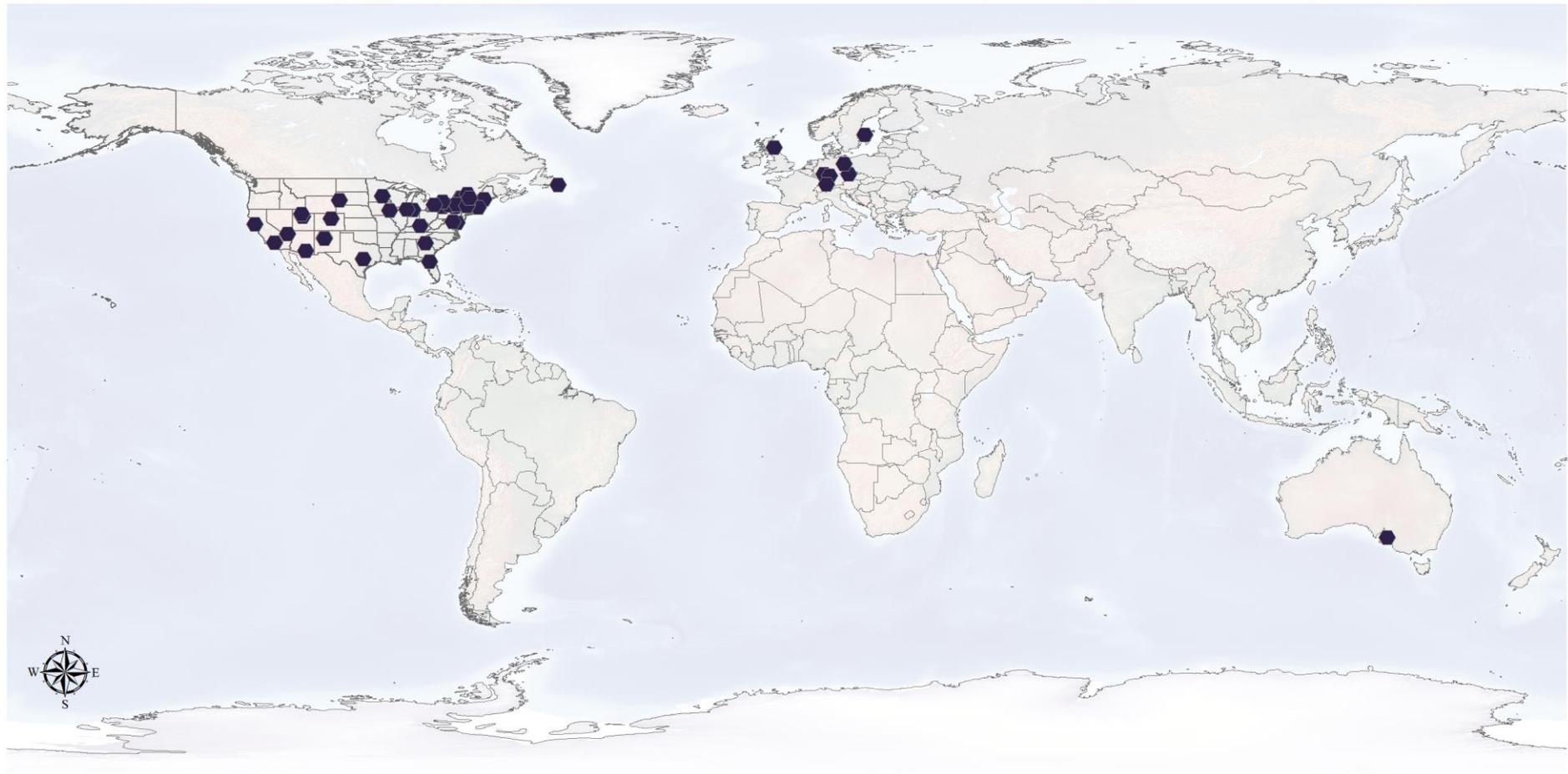
Continuing donation of the Binghamton University Paleobotany Collection via Dr. William Stein. Teaching collection components.

Collection Uses

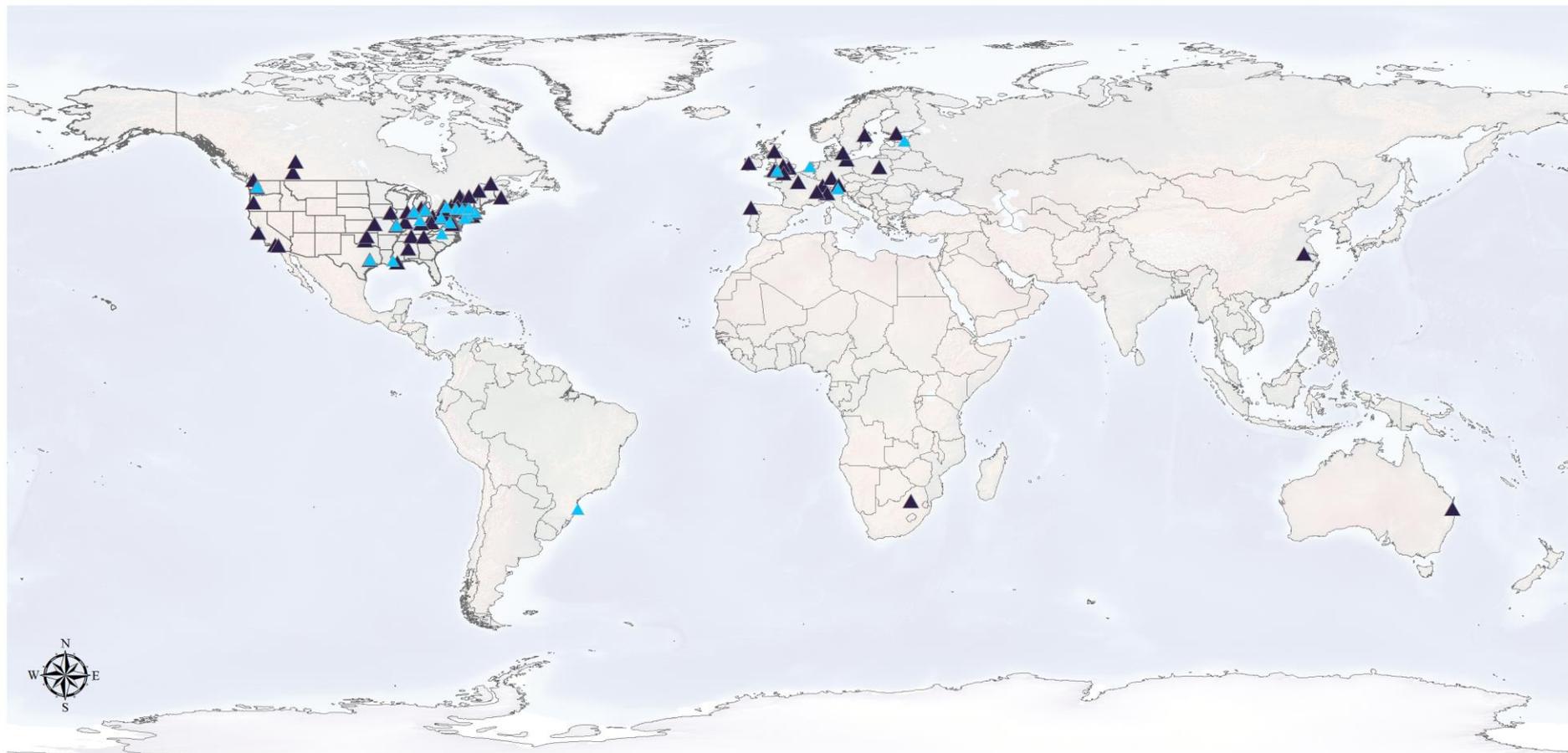
Research

Acta Palaeontologica Polonica
Advances in Archaeological Practice
Archaeology of Eastern North America
Australasian Palaeontological Memoirs
Avian Conservation and Ecology
The Bulletin: Journal of the New York State Archaeological Association
Canadian Journal of Earth Sciences
The Canadian Mineralogist
Ecology and Evolution
Elsevier Inc.
Evolutionary Ecology Research
Geological Society of America Bulletin (2)
Geological Society, London, Special Publications
Geology
Journal of Fish Biology
Journal of Middle Atlantic Archaeology
Northeast Historical Archaeology
Ontario Archaeology
P@lethnology
Proceedings of the Royal Society B: Biological Sciences
Rocks & Minerals
Routledge
Science Advances
Stratigraphy
Southeastern Archaeology
University of Alabama Press
University Press of Colorado (3)
Zootaxa

32 articles and chapters August 2016 through July 2017



Locations of coauthors on journal articles August 2016 through July 2017.

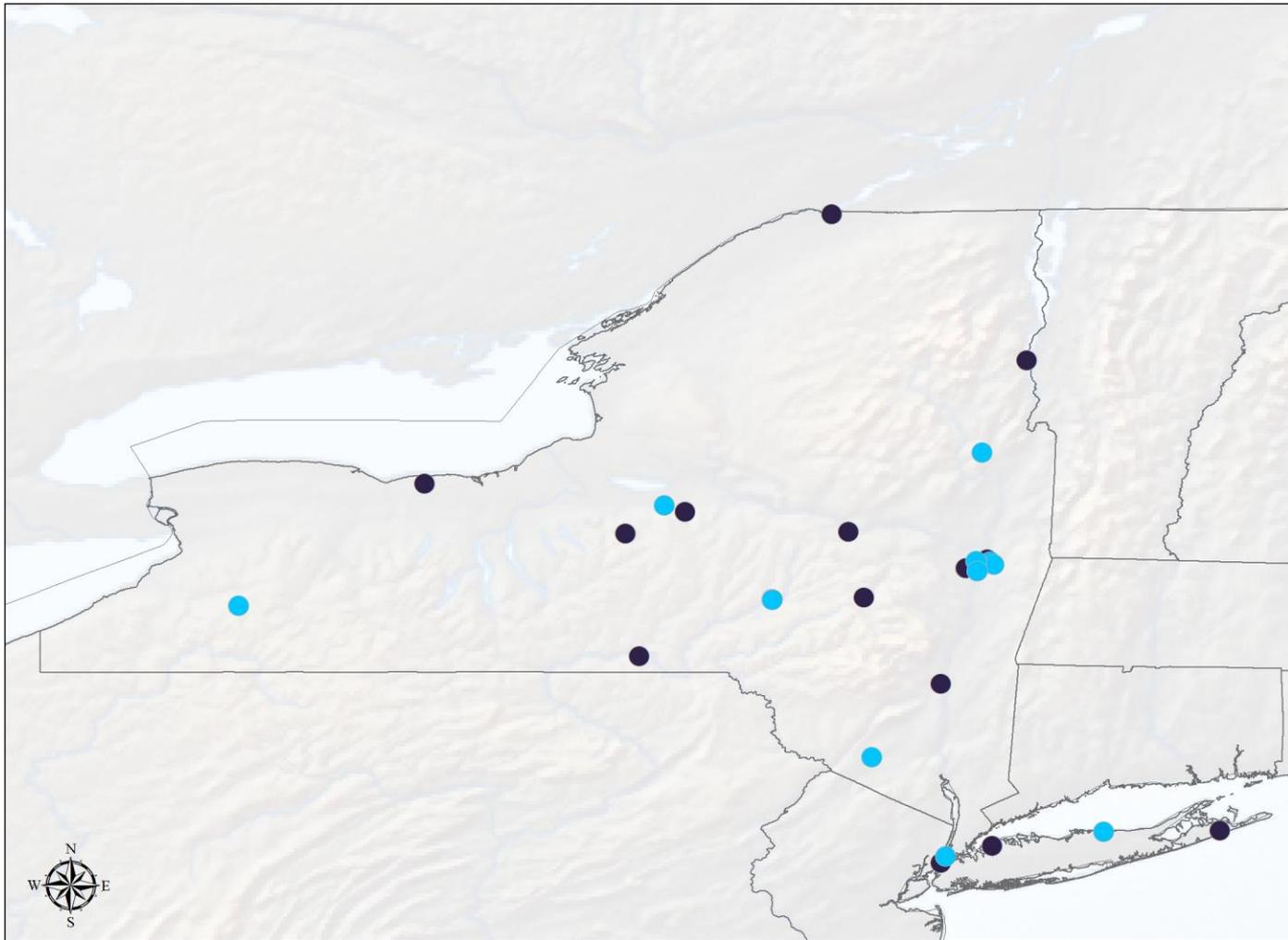


Loans for research

- ▲ All loans made from August 2016 through July 2017 (705 objects)
- ▲ Outstanding loans made before August 2016 (7,453 objects)

Exhibitions





Loans for exhibitions

- All loans made August 2016 through July 2017 (427 objects)
- All outstanding loans made before August 2016 (468 objects)

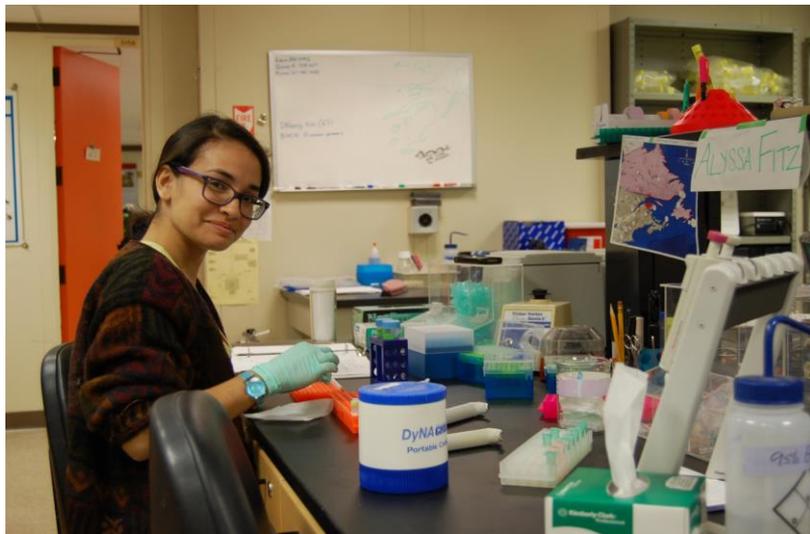
Education



On-site educational opportunities for students and families.



Undergraduate interns



Dissertation research fellows



Teacher workshops

- Archaeology
- Earth Sciences
- Evolution

Thank You