Exhibiting STEAM: Engaging Art Librarianship in the STEM Narrative

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Today, we will...

Why STEAM? A brief overview of why you should care.

From Micro to Macro: Microscopy at Miami

An exhibition of photographs by the university's Center for Advanced Microscopy & Imaging. A Symbiotic Affair: The Intricate Relationship of Art and Science

An exhibition of artist books that take science as their subject and held at two campus locations.

Why STEAM?

"Art as an equal, not an afterthought"

- Gess, "STEAM Education", 2017

From Micros to Macro: Microscopy at Miami

Center for Advanced Microscopy & Imaging (CAMI)



Image courtesy: Scott Kissell, Miami University

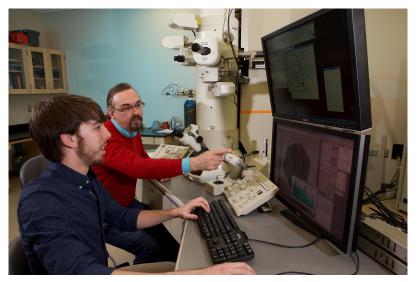
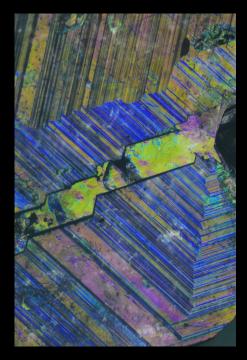
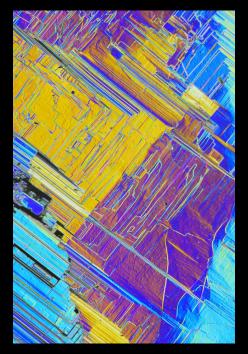


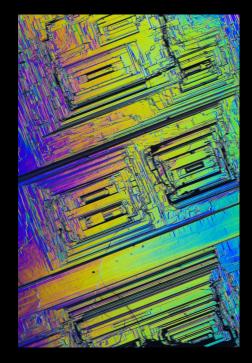
Image courtesy: Scott Kissell, Miami University



Richard Edelmann *Catapleite [001] Crystal,* 2010 Reflected Light Differential Interference Contrast Micrograph Digital photograph



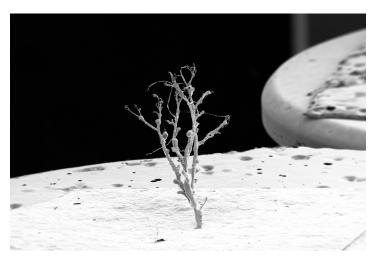
Richard Edelmann *Pyrite Crystal*, 2010 Reflected Light Differential Interference Contrast Micrograph Digital photograph



Richard Edelmann *Pyrite Crystal*, 2010 Reflected Light Differential Interference Contrast Micrograph Digital photograph



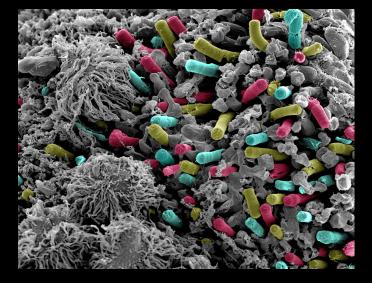
Zöe Edelmann *Human Hair*, 2016 Polarized Light Micrograph Digital photograph



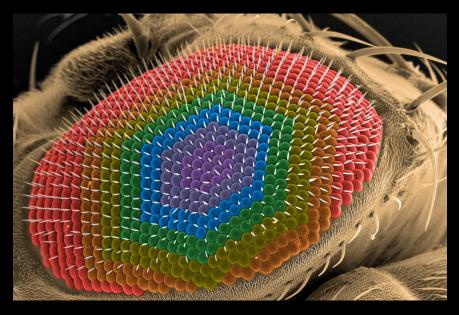
Richard Edelmann *Polyvinyl Alcohol Tree on the Lunar Desert*, 2009 Scanning Electron Micrograph Digital photograph



Matt Duley Acetaminophen, 2018 Polarized Light Micrograph Digital photograph



Phuong Lam Newt's Eye RPE on Top of Photoreceptor Outer Segment, 2017 Colorized Scanning Electron Micrograph Digital photograph



Aswati Subramanian Fruit Fly Eye, 2017 Colorized Scanning Electron Micrograph Digital photograph "By combining photography with technology, microscopy not only allows us to study the infinitesimally small, it unveils the artistry inherent in the natural world, revealing the symbiotic relationship of art and science."

- Excerpt from introductory didactic



A Symbiotic Affair: The Relationship Between Art and Science

Walter Havighurst Special Collections and University Archives

The Hefner Museum of Natural History



Image courtesy: Nick Kneer



https://www.waymarking.com/waymarks/wm2TKA_Hefner_Zoology_Museum

Walter Havighurst Special Collections and University Archives



Math and Computer Science

Outer Space

Climate Change

Walter Havighurst Special Collections and University Archives

their houses

and hope.

A doa/fock has been detected. Recovery from a deadlock in application specific.

-Who'd you give it to? -- Remember, the gay you humped into on the way in here,

Janet Zweig This Book is Extremely Receptive, 1989 Offset lithograph on paper.



Sarah McDermott and students An Exquisite Future, 2014 Letterpress, screenprint, linoleum relief, Sintra plate carving, bound in an accordion with a removable spine and sewn inserts.

Understanding allerge related double are still on the rise, and with supportent to larger analistic, citizens are dissuring to the distribution. Will all points distribution to distribution the permanent has issued a survicine so an illing laporent manufacturing in a Audition, dhere is a lans and a posteriosity modified homologicals used to aid in politicerism. Their of holing parents in the permanent classa pane, a group of social activities colocitivity bases as The Booklergin is communicate through reverse graftig, creating lengths is communicate through reverse graftig.

hide detailed maps to underground possest manufacturers in depictions of butterfly wings. The Hiw uses the honeycomb as their tag, which quickly becomes a symbol for resistance

real, many people became agoraphehic and refused to leave

After the FDA allowed episophrine to be sold over the control, there was widequeued minows, causing many to reperience night tensors and analety. Decelly before the FDA

Claimed they were subjected to modical testing tombring the drug. According to reports, a mysterious doctor conducted time experiments in an editor to induce fine memory in the population. Unable to determine if their addrament were



Melissa Wagner-Lawler In the Event of a Moon Disaster, 2013 Screenprinted, letterpress printed, and laser cut.

http://collections.otis.edu/cdm/compoundobject/collection/artbook/id/10577/rec/23

https://gallery.library.vanderbilt.edu/exhibits/show/artists-books/item/1355

https://redthreadletterpress.com/section/395079-In-the-event-of-moon-disaster.html

Diane Stemper





Cell: Compendium #42, 2014 Watercolor on found and altered pages from *On the Origin of Species* by Charles Darwin, housed in a petri dish.

https://spec.lib.miamioh.edu/creativecodex/items/show/9

Diane Stemper

Darwin's Darlings -- Tortoise, Finch(es), Beetle(s), 2010

Pen & Ink, colored pencil, found and altered text, digital inkjet print on Rives BFK and Arches Cover, housed in petri dishes.

https://spec.lib.miamioh.edu/creativecodex/items/show/14



Diane Stemper Darwin at Sea, 2011 Altered book and mixed media: relief prints, pen & ink, found text, acrylic paint, petri dishes.

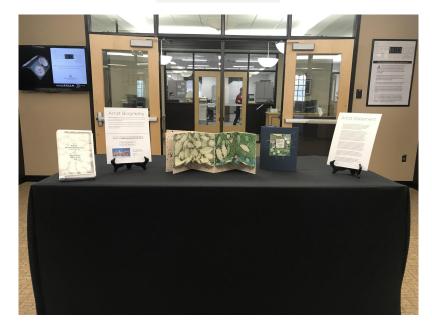
https://spec.lib.miamioh.edu/creativecodex/items/show/13



Diane Stemper *Mussels: What Was/What Remains,* 2019 Letterpress, relief, and intaglio printing on Arches Cover and Stonehenge

https://www.dianestemper.com/artist-books

Walter Havighurst Special Collections and University Archives



The Hefner Museum of Natural History







Diane Stemper *River Bed*, 2019 Intaglio and relief printing on Arches Cover

Diane Stemper *Mini Mussels Book*, 2019 Intaglio and relief printing on Arches Cover

https://www.dianestemper.com/artist-books

Talawanda Middle School Art Club



Image courtesy: Joe Prescher

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Thank You!

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