



We are an Accredited Museum!

- Only 3% of museums are accredited in the U.S.
- CNHM is one of the 20 accredited museums in Wisconsin.
- CNHM is the only accredited museum in Wisconsin north of Eau Claire.





Museum Hours:

Tuesday—Saturday 10 a.m.—4 p.m.

Summer Extended Hours:

June 30 to August 12 Sundays and Mondays 10 a.m.—2 p.m.

July 4: 9 a.m.—1 p.m.

Please pre-register for classes when it is mentioned in the program description. All registration classes are subject to cancellation due to low registration.

For information and registration visit our online reservation service at cablemuseum.org!

Scholarships are available for some programs! Just ask Deb!

2019 Summer Calendar of Events

Talon Talk Live Raptor Programs: Tuesdays 1:30-2:30 p.m. Meet the Museum's live education raptors in person! Learn all about the amazing world of birds of prey. June 18 through August 27. Please come early to find a seat. Donations welcome.

Snake Feeding: Saturdays at 10:00 a.m.
June 22 through August 24. Donations welcome.
Meet Emory and Digger—the Museum's live snakes—and watch them eat a mouse.

Hatha Yoga at the Museum: Mondays, 8:30-10:00 a.m. Join Joan Shumway for an exploration of yoga asana, whether you are new to yoga or have been practicing for many lifetimes. All ages and stages welcome! Please bring your own mat. June 17-August 5. Registration required. Cost is \$80 member/\$100 non-member for the eight week series or \$12 member/\$15 non-member per class.

The Art of Natural Play: Fridays and Saturdays 10 a.m.-2 p.m. Drop in at the Wayside Wanderings Natural Play Area to explore the trails, play in our treehouse, build a fairy house, and join local artist Donna Post to create make-and-take nature crafts. All ages welcome! Come find us at 43135 Randysek Road in Cable, on Fridays and Saturdays from June 29 through August 10, from 10:00 a.m. to 1:00 p.m. Donations welcome.

is better than fiction. By using science to tell stories, Emily wields a magic that makes the whole world feel more alive. 7:00 p.m. Pattison State Park. Donations welcome.

Saturday, June 8
Dandelion Days
10 am - 5 pm Wikdal Park, Washbum, WI

Saturday, June 15 Nature Fest!

Join us for fun and learning at the Northern Great Lakes Visitor Center in Ashland, from 10:00 a.m. to noon! Wisconsin Master Naturalist Volunteers will be eager to share their new nature



Our 2019
Main Exhibit:

Opening May 4!



NEW Curiosity Center!



Opening May 4, Grand Opening May 25!

EMILY M. STONE

exploring northwoods nature through science and your senses

natural connections



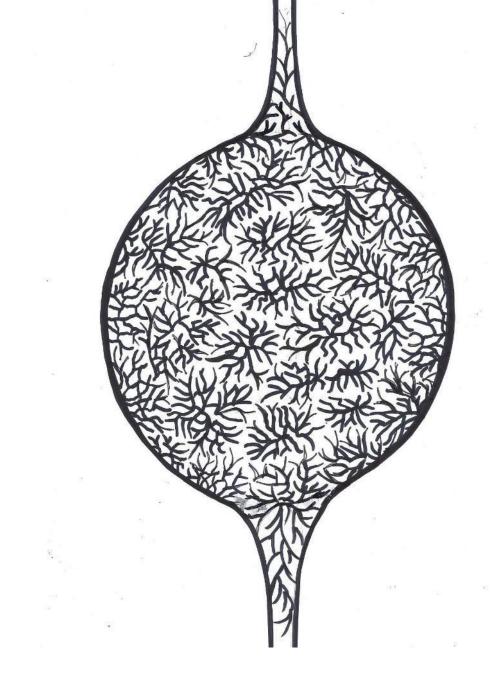
EMILY M. STONE

natural connections₂

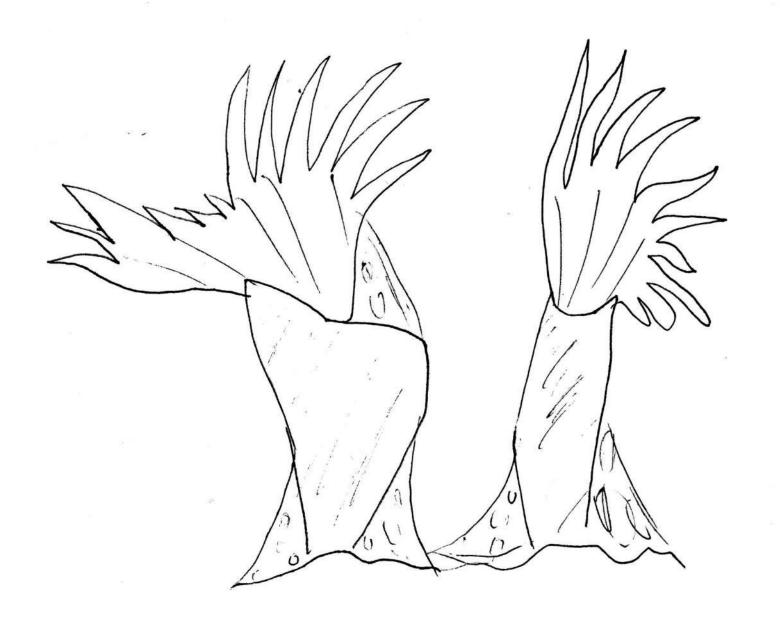
dreaming of an elfin skimmer



\$20 each at my table or the Author's Corner



Bryozoans, Sara Balbin Adult

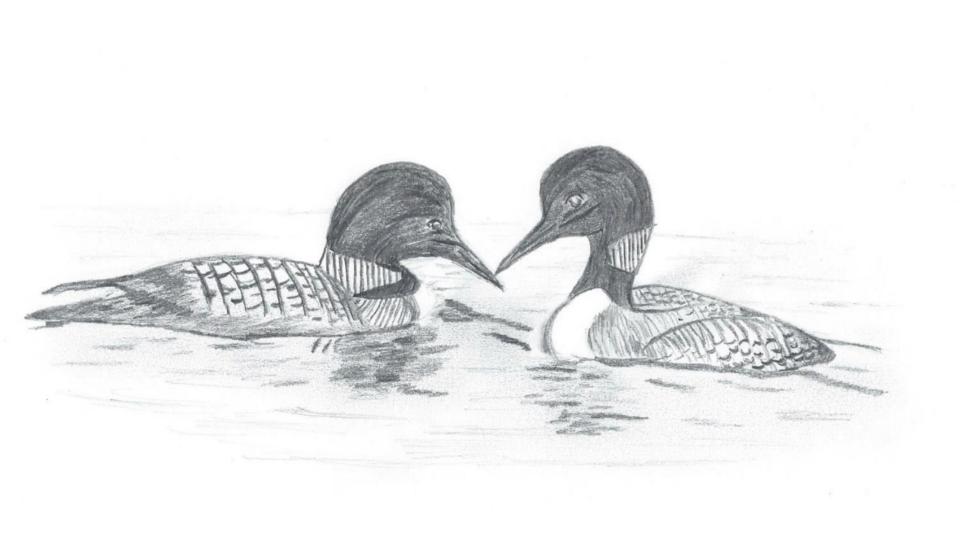


Bryozoans, Josephine Lafrancois age 7

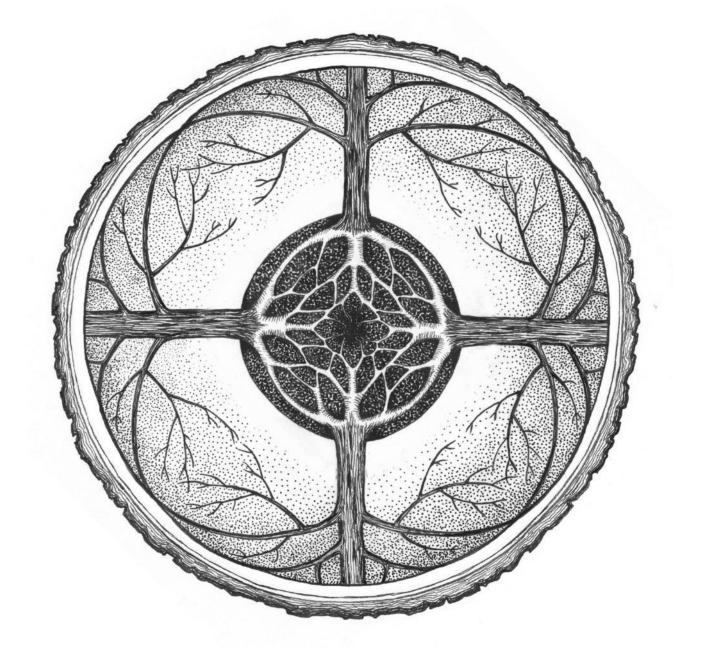


A Clay-Colored Sparrow Returns Kate

Kate Stolp Adult



The Loons are Back Suzanne Stone Adult



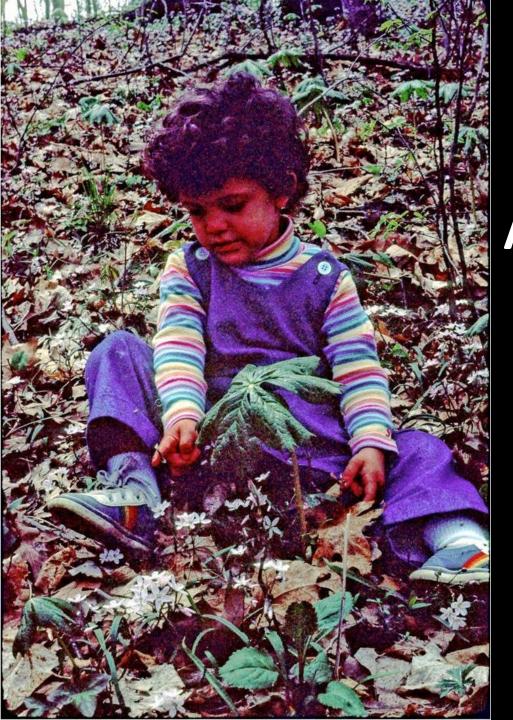
Wood Wide Web I Janet Moore

All proceeds benefit children's nature education at the Museum!

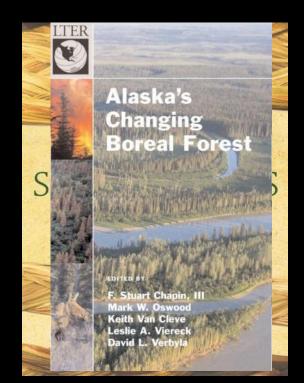


natural connections₂

- Weekly Articles
 - Newspapers
 - Museum's e-newsletter www.cablemuseum.org
 - Facebook
- Podcast
 - iTunes
 - Google Play
- Presentations and Workshops!



A Mud and Water Daughter



Pair and Share

- What were your favorite books as a kid?
- How has your taste in literature changed?



When we try to pick out anything by itself, we find it hitched to everything else in the universe.

- John Muir





"Stories are webs,
interconnected strand to strand,
and you follow each story to the center,
because the center is the end.

Each person is a strand of the story."

Neil Gaiman, Anansi Boys





"To reverse this situation we must become so intimate with wild animals, with plants and places, that we answer to their destruction from the gut.

Like when we discover the landlady strangling our cat."

–Jack Turner, The Abstract Wild

Where can you find stories?

- Stories of Discovery
 - Yours
 - The adventure
 - The research
 - The revelation
 - Someone else's
 - Scientists'
 - Naturalists'
 - Your friend

- Life cycles
- Food chains
- Phenology
- Relationships
- Adaptations
- Leaf Miners

(It's easier if you know stuff.)

What about anthropomorphism?

- the attribution of human characteristics or behavior to a god, animal, or object.
- But are things like hunger, fear, parental care, skill, or joy solely the property of humans?

Aim for a sense of empathy!

 the ability to understand and share the feelings of another.

Pair and Share

 What is the story you tell over and over to anyone who will listen?

(please <u>don't actually tell</u> the whole story, just give the title or topic)

































Bark Borers





Pair and Share

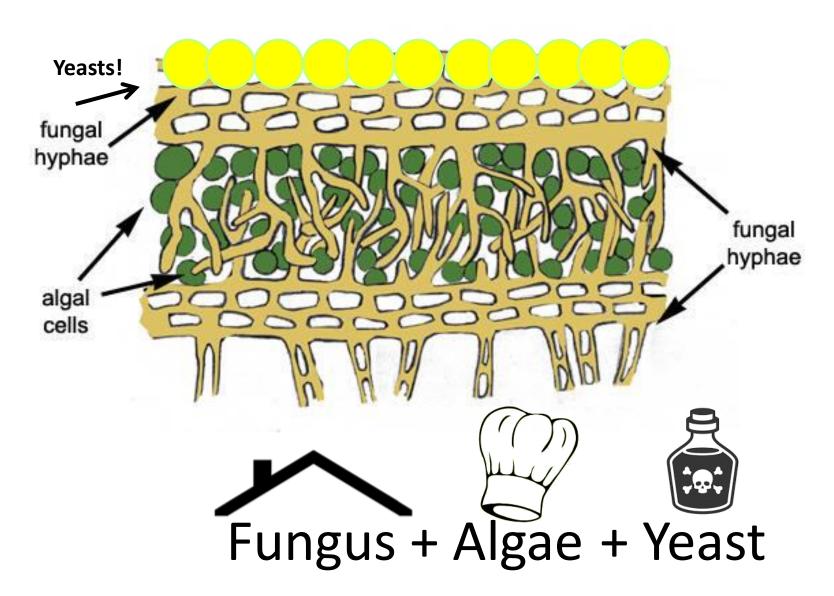
 What is something in nature that you've watched grow up?

Pair and Share

Do you prefer to cook or do home repairs?



Symbiotic Mutualism



The Lichen Story (groan!)

Alice Algae and Freddie Fungi took a Lichen to each other.

They moved to the sticks,



and their marriage has been on the rocks ever since.





Lichens went to Space!



SOME LICHENS INDICATIVE OF DIFFERENT LEVELS OF POLLUTION

HIGHLY POLLUTED	MODERATELY POLLUTED	SLIGHTLY POLLUTED	MINIMAL OR NO POLLUTION
HYPOGYMNIA PHYSODES	EVERNIA PRUNASTRI	PARMELIA CAPERATA	USNEA SUBFLORIDANA
XANTHORIA PARIETINA	FORAMINELLA AMBIGUA	GRAPHIS SCRIPTA	PARMELIA PERLATA
LECANORA DISPERSA	LECANORA CHLAROTERA	BRYORIA FUSCESCENS	DEGELIA PLUMBEA
DIPLOICIA CANESCEN	RAMALINA FARINACEA	PHYSCONIA DISTORTA	RAMALINA FRAXINEA

















Midge Larva





Pair and Share

Do you get claustrophobic?









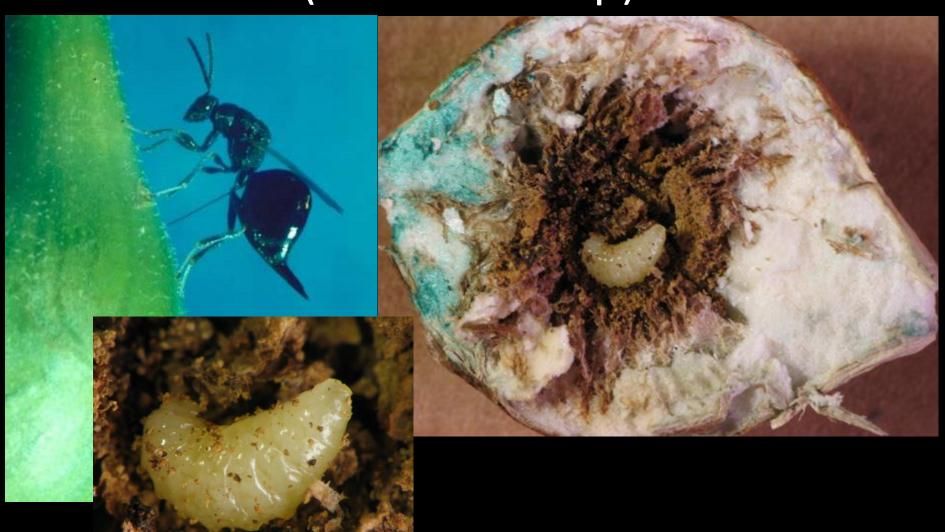
Eurosta solidaginis (Gall Fly)





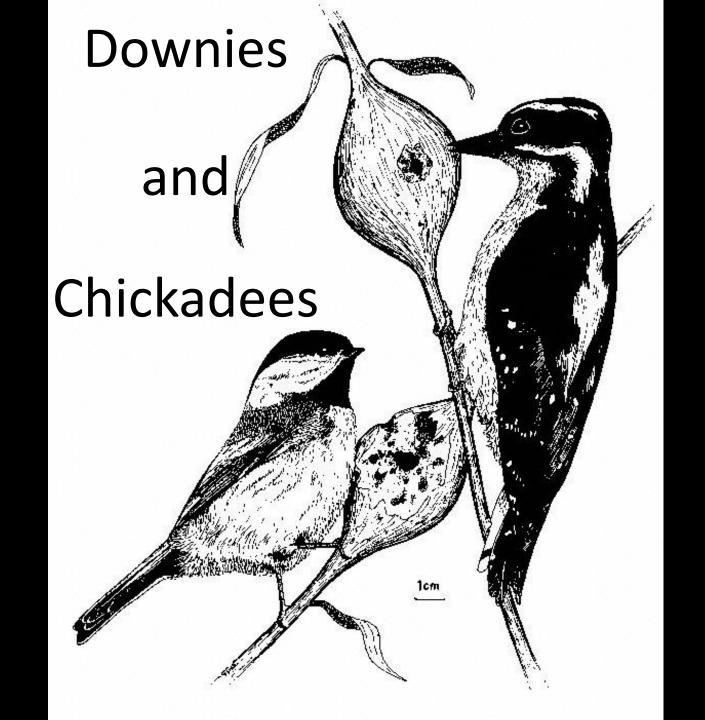


Eurytoma gigantea (Parasitic wasp)



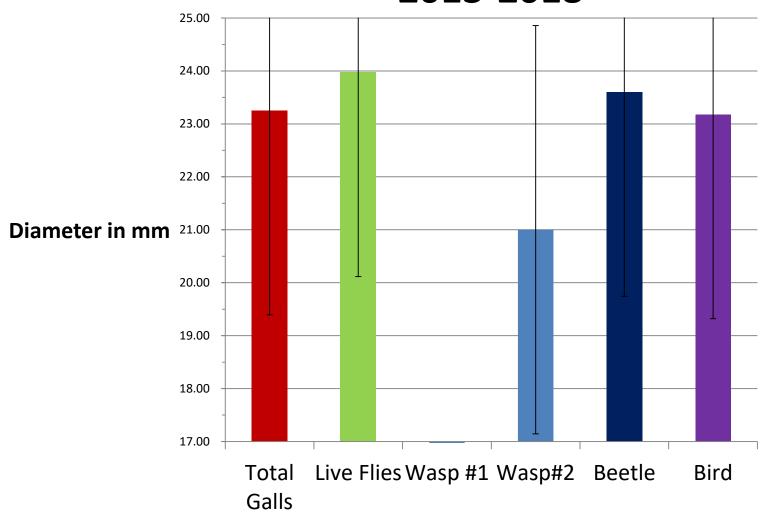
Mordellistena unicolor (beetle predator)







Mean Diameter per Creature 2013-2018







Goldenrod Gall Moth (Gnorimoschema gallaesolidaginis)











Copidosoma sp. (Parasitic wasp)





Pair and Share

What's your favorite flavor of donut?











Cut-leaved Toothwort









Eliosome

Myrmecochory (mur-me-co-cory)

http://www.friendsofthacherpark.org/wp-content/uploads/2016/05/5-2016.pdf

http://www.morningearth.org/Graphic-E/SymbiosisAnts.html#seed















https://roadsendnaturalist.com/tag/bloodroot-seeds/





"I tried really hard to get this to work but failed each time. And I don't know why. Each time the ant would inspect the seed and lose interest completely after only a few licks. *Aphaenogaster* should be perfect at doing this but even they didn't care for the seeds. Wandering foragers out on patrol walked right over them."

http://www.biodiversegardens.com/2011/05/hepatica-seed-myrmecochory-fail.html



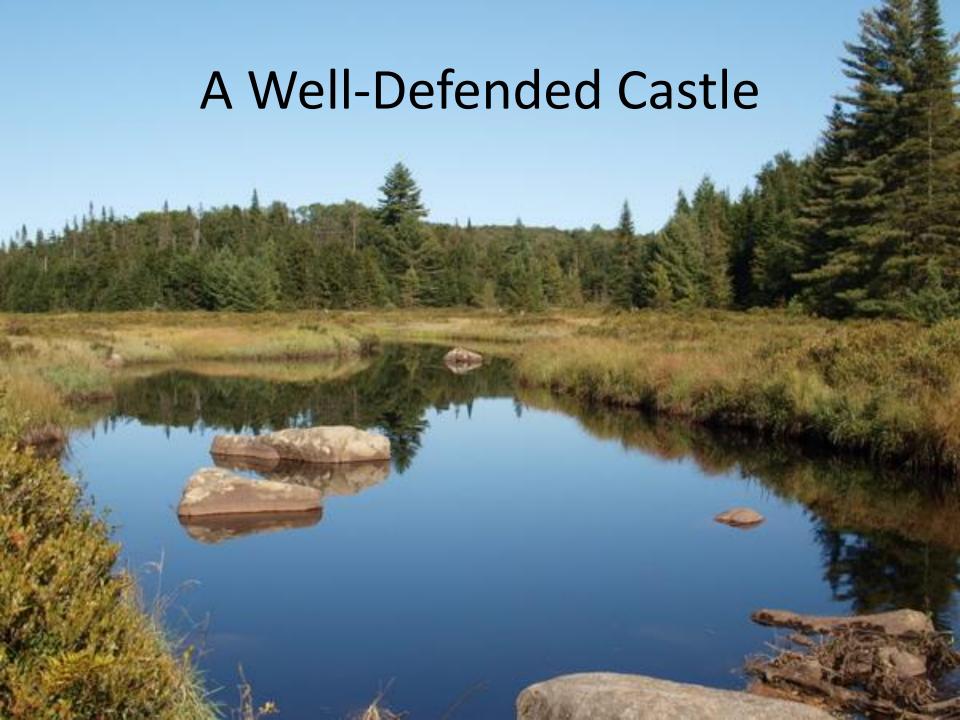
Excuse me, Sir you dropped this... oh, why are you running?

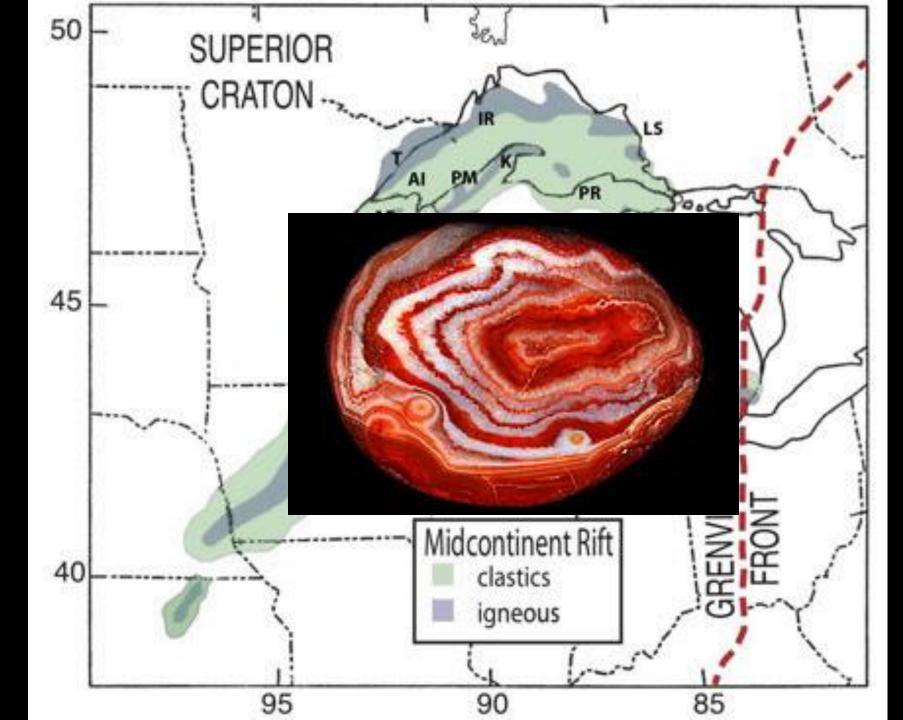






Single Mother
Caught in Trap
of Color-shifting
Villain









Brainstorm!

- In small groups, come up with story ideas from nature.
- Just a list, they don't have to be fleshed out.
 - Surprising facts
 - Funny animals
 - Devious tricks
 - Discoveries
 - Adventures
 - Sad stories
 - Life cycles
 - Food chains
 - Phenology
 - Relationships
 - Adaptations

Stories of Discovery

Yours

The adventure

The research

The revelation

Someone else's

Scientists'

Naturalists'

Your friend

Develop!

As a group, pick one idea and add some more details. What's the:

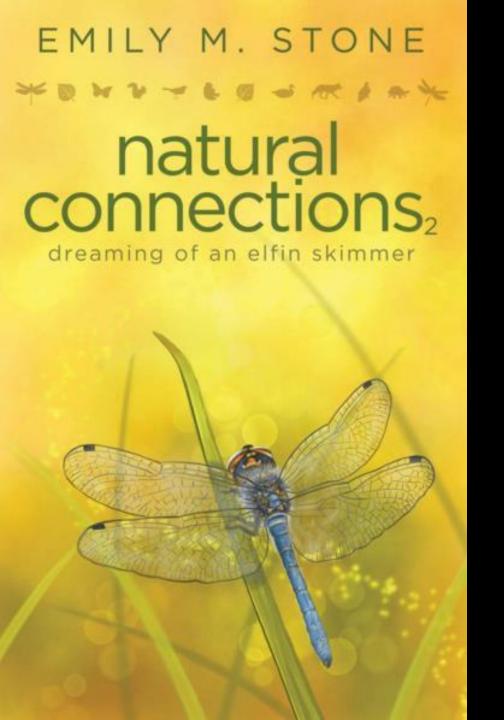
- Setting the world of a story.
- Characters protagonist, antagonist, others.
- Event what happens, event the story is about.
- Controlling Idea (CI) the "moral" of a story, philosophy you want to express.

OR Context, Conflict, Climax, Closure, Conclusion

Share!

___ minutes per group for someone to tell the story.



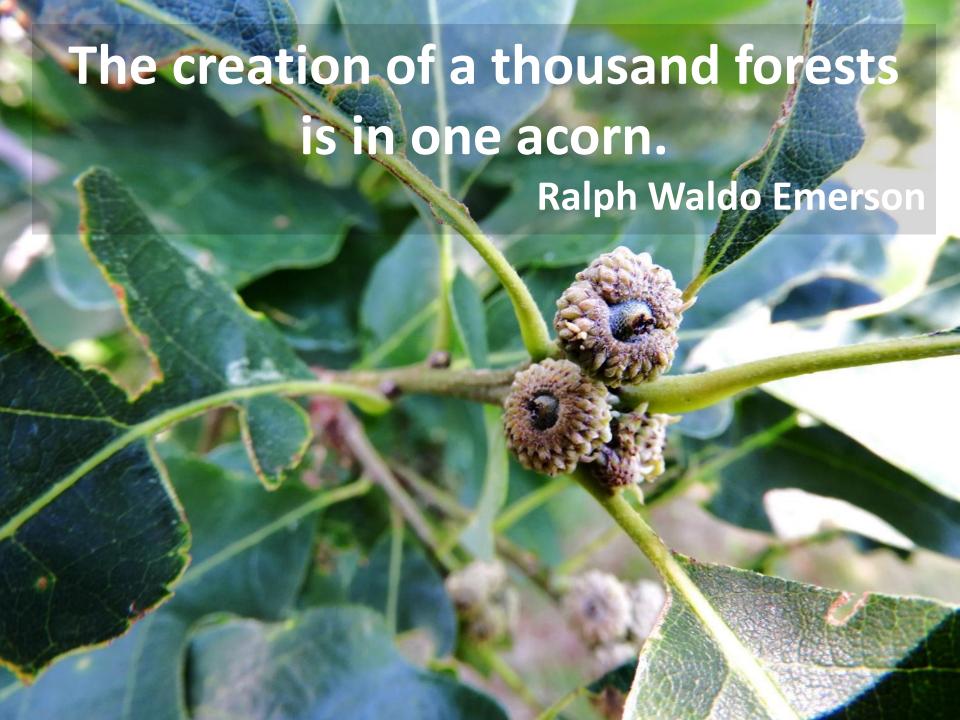


Thank You!

The natural world offers a cornucopia of delights and amazements. Emily Stone knows how to unearth these stories and tell them with style.

—John Bates, naturalist and author of seven books on the Northwoods





Clickbait or Headlines Exercise



This dad singing 'Ave Maria' at a Disney resort is magic. Just watch his daughter's face.

by Annie Reneau

it a wool blanket that is illy queen size made of wool. it a complex stitch that p extremely slowly. A blanket as you are requesting in low stitch will take me hours. You're telling me rging less than \$2 an hour is g way too much"?

's can make it for so

You're insane.

You should give r family discount c you took forever

I char

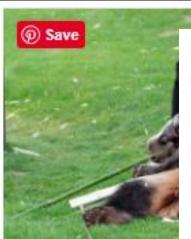
I'll tell you what. I going to do. You Get the yarn on s When it's comple

Retailer's conversation with the worst customer in the world went viral. Prepare to scream.

by Tod Perry

Then have it made by other

Clickbait or Headlines Exercise



Confused Zoo Or Celebrate After I Gives Birth To H White Rhino

VIDEO

This Will Change The Way You Watch 'Moulin Rouge'

Today 12:41pm



https://www.nationalgeographic.com/animals/ 2018/09/animals-comedy-funny-wildlifephotography/#/comedy-wildlife-awardssquirel-stop.jpg













Cornus canadensis

- (One of the) fastest flowers on earth!
- Blooms in under 0.4 miliseconds
 - Less time than it takes for a bullet to travel the length of a rifle barrel
- Pollen is accelerated
 - 2400 times the acceleration of gravity
 - 800 times that experienced by astronauts during liftoff
 - Pollen leaves the plant with an initial velocity of more than
 4 meters/second
 - Pollen is propelled an impressive 2.5 centimeters up
 - That's over ten times the height of the flower!

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