



The Naturalists' Club - Dept. of Biology
 Westfield State University
 P.O. Box 1630
 Westfield, MA 01086-1630

THE NATURALISTS' CLUB NEWSLETTER

Springfield Science Museum at the Quadrangle, Springfield, Massachusetts

www.naturalist-club.org

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• SCHEDULE of EVENTS • JANUARY to MARCH •

JANUARY	4	Saturday	Life Under the Ice, <i>Montgomery</i>
	11	Saturday	Hubbard River Gorge, <i>Granville</i>
	15	Wednesday	JANUARY MEETING: The Pacific Northwest, Land of Volcanoes and Rainforests
	16	Thursday	Ashley Reservoir, <i>Holyoke</i>
	25	Saturday	Nature in Winter ~ Snowshoeing or Hiking
FEBRUARY	1	Saturday	Tracking Winter Wildlife in Bear Hole, <i>West Springfield</i>
	8	Saturday	Exploring the Westfield State University Natural History Museum, <i>Westfield</i>
	19	Wednesday	FEBRUARY MEETING: Iceland: Glaciers, Volcanoes, and a Whole Lot More
	20	Thursday	Mittineague Meander, <i>West Springfield</i>
	22	Saturday	Snowshoeing at Littleville Lake, <i>Huntington</i>
MARCH	8	Saturday	Quabbin Reservation: Gate 30 ~ Rattlesnake Hill, <i>Orange</i>
	15	Saturday	Natural Bridge State Park, <i>North Adams</i>
	19	Wednesday	MARCH MEETING: The Korkosz Brothers and their Amazing Starball
	20	Thursday	Ludlow Reservoir, <i>Ludlow</i>
	23	Sunday	How Sweet It Is! Maple Sugaring Time at Maple Corner Farm, <i>West Granville</i>
	30	Sunday	Early Spring on the Columbia Greenway Rail Trail, <i>Westfield</i>



Moonlight Ski at Maple Corner Farm, *West Granville*: Full moon weekends in Jan. and Feb.
Laughing Brook events appear on page 7.

Colliding Continents

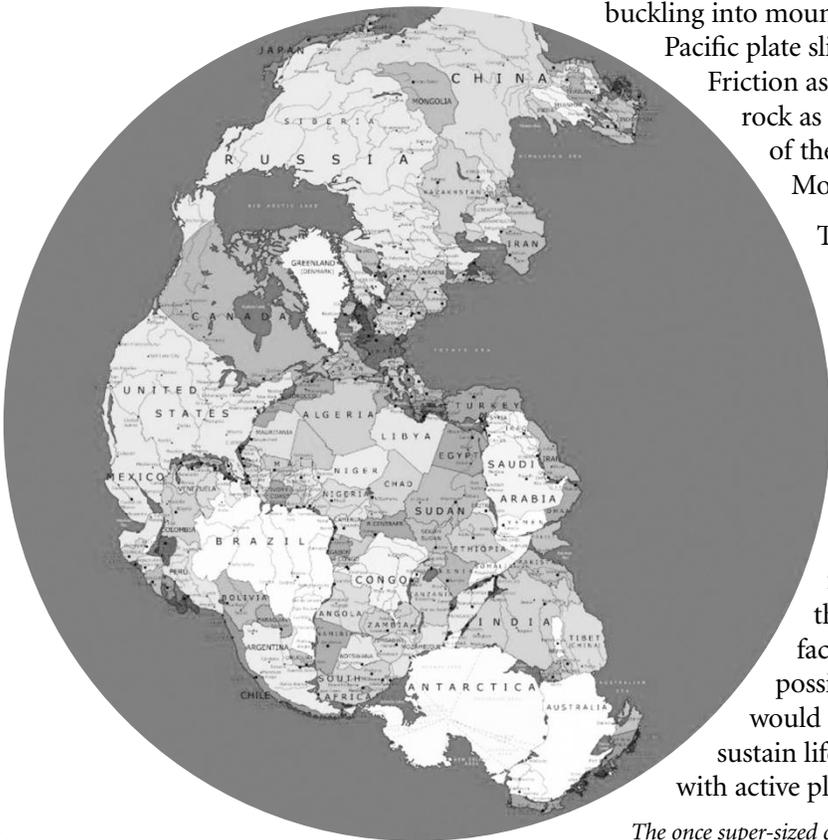
This winter the Naturalists' Club will host two sets of speakers who will discuss visits to volcanic regions. In January, I will describe my travels in the Pacific Northwest. In February, Tom and Nancy Condon will talk about their trip to Iceland. Although the Pacific Northwest and Iceland are far apart on the map of the world, they are connected by the geologic events that produced them.

The fundamental concepts of geology have changed during my lifetime. I can still remember my geology professor in college chuckling over a paper that claimed that South America and Africa were once joined. The evidence? The two continents have shorelines that would fit together like puzzle pieces. At the time there was great skepticism that huge continents could move around the globe. Today, however, the concept of plate tectonics is widely accepted as a principle of geology. Of course, continents do not float on seawater. Rather, these gigantic landmasses, less dense than magma, are carried along as if on a conveyor belt when magma deep beneath them plumes upward.

So, yes, indeed, Africa and South America were once joined, and today they continue their journey apart, traveling at a rate of about one inch per year. The western side of South America is plowing over the rock at the bottom of the Pacific Ocean, forcing ocean-bottom basalt to slide down underneath South America. Just such continental movements helped to create the Andes Mountains and, indeed, continental collisions account for the origin of mountain ranges around the world. The Himalayas arose when India, traveling north, crashed into Asia; our own Appalachian Mountains arose when North America collided with Europe. Where do Iceland and the Pacific Northwest fit into this picture? For starters, due to plate tectonics both regions have volcanoes.

In the 1950s, oceanic studies revealed a mountain range running down the center of the Atlantic Ocean. Significantly, the newest rocks were in the center of the range while the oldest rocks were on the outer edges. The sub-oceanic mountain range turned out to be a row of volcanoes, forming a seam along which continents were separating, one from the other. This mid-ocean ridge is deep underwater – except where it surfaces to form Iceland, revealing a spreading zone for all to see. Iceland is not just a part of this volcanic seam; it also lies upon a hotspot, similar to those under Yellowstone and Hawaii. This hotspot raises Iceland above the sea. It is owing to volcanism that the Atlantic Ocean is getting wider and Iceland is getting larger.

With the floor of the Atlantic Ocean getting wider, something has to give on the west side of North America. That is where the Pacific Northwest comes into this story. On this front, the granite of the North American plate is bumping into the basalt of the Pacific plate. And because granite is less dense than basalt, rather than buckling into mountains as when continents collide, the basalt of the Pacific plate slips underneath the granite of the North American plate. Friction as one plate slides under the other causes heat, melting the rock as it rises. This heat has produced the majestic volcanoes of the Pacific Northwest: Mount Rainier, Mount Adams, Mount Hood, Mount Shasta, and Mount St. Helens.



There is an interesting connection to consider between plate tectonics and life on Earth. Because our planet is constantly renewing the materials on its outer crust, through the upwelling of magma and production of mountain ranges, raw materials in the form of minerals are constantly being brought to the surface, where they are used by living organisms. Seen in this light, plate tectonics may be essential for any planet to sustain life for the eons. Conversely, when marine organisms die, their shells fall to the sea floor. Minerals from these shells eventually become part of the rock that turns downward under the continents and may, in fact, act as a lubricant for plate tectonics. Thus it is also possible that life bolsters the action of plate tectonics. So it would seem that as we search the universe for planets that may sustain life, we should pay particular attention to those planets with active plate tectonics.

~ Sonya Vickers

The once super-sized continent of Pangaea.

FEB. – MARCH

Life Under the Ice, *Montgomery*

Saturday, January 4, from 10 a.m. to 12 noon

Leaders: Tom and Nancy Condon

Registration: Please call to register (413-564-0895)

Meeting Place: McDonald's, 299 E. Main St., Westfield

Have you ever stood along the shore of a frozen pond and thought about what's going on under the ice? If so, have we got a trip for you! Grab up your boots with the stickiest soles and come join us for a hike on or around Montgomery Reservoir. This beautiful 38-acre pond will be our living laboratory as we explore the ecology and physics of a freshwater pond in the winter. We will either criss-cross the pond (if the ice is thick enough) or walk around it, stopping to peer beneath the ice for signs of life. We'll also step up into the surrounding forest to discuss how outside factors influence this ecosystem. Dress appropriately, with layers of synthetic or wool-blend clothing. And be sure to set aside some time after our hike to stop for some hot chocolate and a bite to eat!



Hubbard River Gorge, *Granville*

Saturday, January 11, from 10 a.m. to 2 p.m.

Leader: Bill Fontaine

Registration: Call Bill (413-533-2153)

Meeting Place: Dunkin' Donuts parking lot, Southwick, on Route 10/202.

Come visit the Hubbard River Gorge in winter! On this hike, we'll explore the Hubbard River Gorge in Granville State Forest, formerly the hunting and fishing grounds of the Tunxis Native Americans. In 1749 the first white settler in the area, Samuel Hubbard, made his home along the banks of the river that now bears his name. This pristine, high-quality waterway is home to Massachusetts' native fish, the brook trout. The river begins its journey to the sea in the hills surrounding Cobble Mountain, then drops 450 feet over some 2.5 miles as it makes its way to Barkhamsted Reservoir in Connecticut.

For much of its course the river flows through Granville State Forest, an underappreciated jewel among the Western Massachusetts state forests. We'll begin our walk along a gated forest road and then follow the river south toward Connecticut. When we've had our fill, we'll go back the way we came. Dress appropriately, wear sturdy footwear, and bring along your trekking poles.

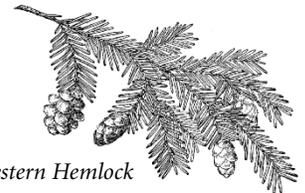
JANUARY MEETING

THE PACIFIC NORTHWEST, LAND OF VOLCANOES AND RAINFORESTS

Wednesday, January 15, **new starting time at 7:00 p.m.**

Springfield Science Museum, Tolman Auditorium

Presenter: Sonya Vickers



Washington State Tree - Western Hemlock

The Pacific Northwest is a land of contrasts. It has snow-capped volcanoes, arid lands of ancient lava flows, and the wettest rainforest in this country. Here in the East, we live in geologically older country. Our hills have been eroded into rounded bumps over millions of years, and the same ecosystems exist over a large area of land. Geologic activity is ongoing in the Northwest, such that the land stands out in sharp relief; great variations in altitude and amount of precipitation foster ecosystems that vary in their assortments of wildlife and wildflowers. Come join Sonya Vickers for a look at the varied patchwork of life in the Pacific Northwest that would delight any naturalist.

Ashley Reservoir, *Holyoke*

Thursday, January 16, at 9:30 a.m.

Leader: Colette Potter (413-786-1805)

Registration: Call Colette to register, and for meeting place.

Let's head out for an early morning scenic walk along a flat waterfront trail. Bring your binoculars and dress for the weather. Please call to register, and for meeting place. Bad weather cancels.

Moonlight Cross-Country Skiing at Maple Corner Farm, *West Granville*

Weekend evenings on or near full moon; call for dates.

Location: Maple Corner Farm, 794 Beech Hill Rd., West Granville

Cost: \$25/person; \$30/person with rental

For More Information: maplecornerfarm.com, or call (413-357-8829).

Ski by the light of the nearly full moon at this beautiful farm in West Granville. Maple Corner Farm maintains an extensive trail system for cross-country skiing and snowshoeing. Once per month, they offer a special moonlight experience for those ready for a glorious outing. The paths will be brightened by moonlit snow, starry skies, and luminaries (candles in bags). When in need of a warm-up, go inside and have a snack and warm drink while sitting by the crackling fire. There is a fee to participate, payable upon arrival at Maple Corner Farm. Dress in plenty of layers, keeping in mind that evening is colder than daytime.

In winter the stars seem to have rekindled their fires, the moon achieves a fuller triumph, and the heavens wear a look of a more exalted simplicity.
~ John Burroughs

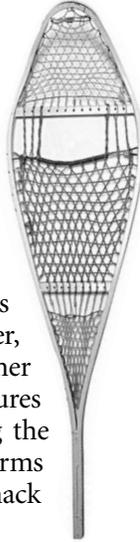
Nature in Winter – Snowshoeing or Hiking

Saturday, January 25, starting at 10 a.m.

Leader: Dave Gallup (413-525-4697)

Meeting Place: Crystal Springs Plaza near junction of Routes 9 and 202, Belchertown.

Join us for a snowshoe, or for a hike if there is no snow. Dave has lots of extra pairs of snowshoes if you need some. We will be exploring an upland hardwood forest and will then walk along old roads and trails. If there is snow, we may see tracks of deer, coyote, ruffed grouse, weasel, fisher, and many other species of animals and birds. Learn how these creatures survive in a cold, snow-covered landscape. Along the way, we will see stone walls and foundations of farms long abandoned. Dress for the conditions, bring snack or lunch, and don't forget your binocs!



Tracking Winter Wildlife in Bear Hole, West Springfield

Saturday, February 1, from 10 a.m. to 12 noon

Leader: Dietrich Schlobohm (413-788-4125)

Registration: Registration is required. Limit 20 people.

Meeting Place: Intersection of Morgan Road and Prospect Ave. in West Springfield.

Directions: Access Morgan Road directly opposite the Riverdale Shopping Center on Rte. 5. Take Morgan Road until it goes under the Mass Turnpike and comes to an end at Prospect Ave. The last part of Morgan is a dirt road.

Winter – a time when nature supposedly slows down and creatures large and small seek shelter from the harsh elements. While many animals are less visible, winter provides us a unique opportunity to study wildlife from a different perspective. Dietrich Schlobohm, an environmental historian,

will lead us on a journey of winter discovery, especially if Mother Nature blesses us with a blanket of snow. Depending on weather conditions, and which area we visit, there is the possibility of observing a wide variety of animal life including deer, otter, beaver, fox, coyote, and perhaps even the elusive fisher. Our observations will most probably not involve actual sightings, but rather the tracks and other signs these animals leave behind as they engage in their daily struggle for survival. Be sure to dress for the weather, including good footwear. Bring water and a snack.

Exploring the Westfield State University Natural History Museum, Westfield

Saturday, February 8, from 1 p.m. to about 3 p.m.

Leaders: Dave Gallup (413-525-4697) and Dave Lovejoy (413-572-5307; dlovejoy@westfield.ma.edu)

Registration: We would appreciate a call or email to know how many are coming. Extreme weather cancels, without a backup date, but we can offer this again in a future newsletter. **Directions:** Wilson Hall, Room 223 (There are signs and maps on campus indentifying the buildings.) Parking on a Saturday can be anywhere on campus. The door by the Greenhouse will definitely be unlocked.

The WSU Museum has rather comprehensive collections of local birds and mammals, as well as various specimens clearly not native to the Valley and surrounding hills. There will be ample time to view displays and to hear, especially from Dave Gallup, about the taxidermy method of specimen preparation. Collections not on display will be made available, including the University Herbarium, the most complete collection for Hampden County plants assembled anywhere. There will be plenty of time for questions. Children are encouraged to attend.

FEBRUARY MEETING

ICELAND: GLACIERS, VOLCANOES, AND A WHOLE LOT MORE

Wednesday, February 19, **new starting time at 7:00 p.m.**

Springfield Science Museum, Tolman Auditorium

Presenters: Tom & Nancy Condon

Iceland has long been on Tom's bucket list. With "in your face" geology such as glaciers and volcanoes, plus the mid-ocean ridge, Iceland's earth-shaping forces are laid bare. Tom was totally enthused to finally get to go. Unfazed and adventurous, Nancy agreed to go too. Both returned surprised, amazed, and enriched. Join us for an armchair version of our journey to Iceland, which was led by Pioneer Valley's own geologist – Professor Richard Little.

Iceland sits astride the Mid-Atlantic Ridge, a rifting zone that is tearing the Atlantic Ocean apart, much as it did here in Western Massachusetts about a quarter billion years ago. This location results in both long, slow volcanic eruptions and the much more dramatic eruptions that shoot ash and rock high into the atmosphere. Glaciers abound throughout the Icelandic landscape due to its location next to the Arctic. Some are small, and some are as large as Rhode Island. Together, glaciers and volcanoes have dramatically shaped both the landscape and people of Iceland.

Iceland is worth the trip just for its landscape; the natural and cultural heritage are a welcome bonus. When the Vikings came to Iceland in 900 A.D., they brought with them a culture of independence and self-reliance, a unique horse breed they cared for and defended for centuries, and Celtic women they abducted from Ireland. We'll explore these events as well as some unique plants and animals that call Iceland home for at least part of the year.



FEB. – MARCH

Mittineague Meander, West Springfield

Thursday, February 20, at 9:30 a.m.
Leader: Colette Potter (413-786-1805)
Place: Mittineague Park

Here's hoping for a "winter wonderland" of a day to walk through Mittineague Park with the intrepid ~ a day to enjoy nature. Bring your binoculars and dress for the weather. Please call to register and for meeting place. Bad weather cancels.

Snowshoeing at Littleville Lake, Huntington

Saturday, February 22, from 9 a.m. to 12 noon
Leaders: Tom and Nancy Condon (413-564-0895)
Meeting Place: Huntington Country Store, Route 112 in Huntington

Join us for a foray in the woods surrounding this beautiful reservoir. Our snowshoe excursion will take us through a mixed evergreen and hardwood forest along a wide path that is gently graded. Keep an eye out for tracks in the snow. Our hike will go down close to the water, where we will investigate recent wildlife activity. Wear layers appropriate to the weather, and bring plenty of water to drink. Afterwards, we'll stop at the Huntington Country Store for some hot chocolate or coffee and a bite to eat.

Quabbin Reservation: Gate 30 ~ Rattlesnake Hill, Orange

Saturday, March 8, from 10 a.m. to 2 p.m.
Leader: Bill Fontaine
Registration: Call Bill (413-533-2153)
Meeting Place: Florence Savings Bank parking lot at the Stop & Shop Plaza on Route 9 in Belchertown.

The first half of this walk will take us along a gated, level, paved road through a variety of habitats on the northern end

of Quabbin Reservoir, an area featuring abandoned fields and orchards, wetlands, plantation plantings, cellar holes, and even a handlaid keystone bridge. We'll take our time as we wend our way toward the reservoir some 2.5 miles away. On our return, we'll skirt the eastern ledges of Rattlesnake Hill, home to soaring vultures, porcupines and bobcats. Total distance is approximately 6 miles. Wear appropriate footwear, bring your poles, and bring along something to eat and drink.

Natural Bridge State Park, North Adams

Saturday March 15, 8:00 a.m. to approximately 2 p.m.
Leaders: Nancy and Tom Condon (413-564-0895)
Meeting Place: McDonalds on Route 20 in Lee, just north of Mass Pike Exit 2 at 8 a.m.
Registration: Call to reserve a spot.

Come join us as we explore the only natural white marble arch in North America, at Natural Bridge State Park. This park is a gem in the Massachusetts State Park system. We will be hiking above a narrow cavern, peering down on Hudson Brook and marveling at the remarkable job it did in carving this natural wonder. The park offers a series of hiking trails, a marble quarry, a marble dam and lake, and impressive views of the "cave" created by the last glacial period to visit New England. Bring a lunch, dress for the weather, and grab your camera, for March is a time of rushing water, which will make the bridges even more impressive.

I prefer winter and fall, when you feel the bone structure of the landscape — the loneliness of it, the dead feeling of winter. Something waits beneath it, the whole story doesn't show.
 ~ Andrew Wyeth

MARCH MEETING

THE KORKOSZ BROTHERS AND THEIR AMAZING STARBALL

Wednesday, March 19, **new starting time at 7:00 p.m.**
 Springfield Science Museum, Tolman Auditorium
Presenter: Richard Sanderson

Last year marked the 75th anniversary of the Springfield Science Museum's Seymour Planetarium, which is the oldest operating planetarium in the country. Club member Rich Sanderson will describe the colorful history of this amazing educational tool and the two Chicopee brothers who created it. He also will put the Planetarium's story in context by including a brief history of the Science Museum.

Richard Sanderson began working at the Science Museum when he was 15 years old. He is now the Museum's Curator of Physical Science and manages its Seymour Planetarium. Richard has written hundreds of articles focusing on astronomy for magazines and newspapers and is the co-author of the 2006 book, *The Illustrated Timeline of the Universe*. Together with Naturalists' Club members Jack Megas and Dave Gallup, Rich organizes an annual astronomy convention called the Astronomers' Conjunction.



The Korkosz Projektor
 Korkosz Projektor in Springfield, 1937: The first projector not manufactured by Zeiss was constructed by the brothers Frank and John Korkosz in Springfield, Massachusetts. It was a sphere of one meter and displayed 7150 stars down to the 5th magnitude but no planets. The star fields were arranged on 41 individual plates.

MARCH

Ludlow Reservoir, Ludlow

Thursday, March 20, at 9:30 a.m.

Leader: Colette Potter (413-786-1805)

Take a stroll in the best of company and at a leisurely pace along the water's edge around the Ludlow Reservoir, a scenic, flat course. Bring your binoculars and dress for the weather. Call to register and for meeting place. Bad weather cancels.

How Sweet It Is! Maple Sugaring Time at Maple Corner Farm, West Granville

Sunday, March 23, starting at 11:30 a.m.

Leaders: Dave and Suzy Gallup (413-525-4697)

Registration: Call Dave and Suzy to register

Meeting Place: Westfield State University Commuter Parking

It's once again the time of the year when we visit Maple Corner Farm in West Granville. This has become a Naturalists' Club tradition! The Ripley Farm has been in the family for over one hundred years. Enjoy a breakfast or brunch with maple syrup from the farm's maple forest. After brunch, we will learn about the process and history of maple syrup production. Then we will hike to the maple sugarbush (about one-mile round trip) to see how the sap is harvested from the trees, conditions permitting. For ages 8 and up.



Nowadays maple sugaring is much easier.

What good is the warmth of summer without the cold of winter to give it sweetness. ~ John Steinbeck



Blue jay, or *Cyanocitta cristata*

Early Spring on the Columbia Greenway Rail Trail, Westfield

Westfield

Sunday, March 30; 1 p.m. to about 3 p.m.

Leader: Dave Lovejoy

Meeting Place: Rail Trail parking lot. Enter the parking lot for Shaker Farms Country Club on Shaker Road, Westfield and follow signs for bike trail parking.

As this brief description is written in December, who knows whether or not we will experience an "early spring". At any rate, we can plan a leisurely walk on the bike trail, which passes through woods and fields, and will hope to find some of the spring flora leafing out or perhaps in flower. Heavy rain cancels.



Pussy willow, or *Salix discolor*

Floral Displays ~ A Breath of Spring

2014 Amherst Orchid Society Show, Northampton

The Society's 2014 show will take place at Smith Vocational Agricultural High School, 80 Locust Street (Route 9, west of town) on Saturday, February 22nd, from 9 a.m. to 5 p.m., and Sunday, February 23rd, 10 a.m. to 4 p.m. Nominal admission charge.

Annual Spring Bulb Shows

Smith College, Northampton

The various glasshouses of Smith College's Lyman Plant House & Conservatory date from 1895, 1901, 1952, and 1981. Average temperature varies by house, with minima between 50 and 70° F. Smith's Spring Bulb Show opens the first Saturday in March and runs for two weeks, including the third weekend of the month. 2014's show dates are Saturday, March 1st to Sunday, March 16th. Hours are 10 a.m. to 4 p.m. daily, plus Friday evenings 6 to 8 p.m. Nominal donation requested.

Mount Holyoke College, South Hadley

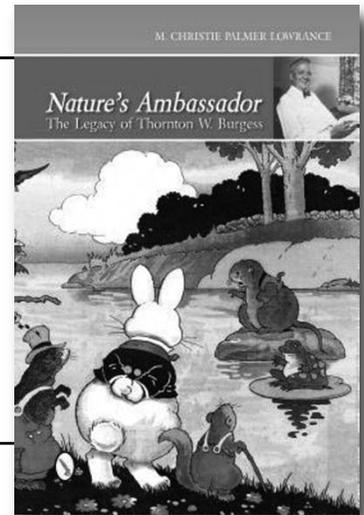
Mt. Holyoke College's springtime horticultural event will showcase hundreds of spring-blossoming bulbs and plants, on display in the main Show House of Talcott Greenhouse. Scheduled to start Saturday, March 2nd, running daily 10 a.m. to 4 p.m. through Sunday, March 17th, weather/growing conditions permitting (meaning it's possible the opening could be moved forward a week). No charge, but consider donating.

ANNOUNCEMENTS

Nature Programs at Laughing Brook, Hampden

Although he was not born in Springfield, Thornton Burgess did live and work in Springfield for much of his career. He is very much "our" hometown naturalist. He was indeed an author as much as a naturalist. His portrayals of nature were highly respected by leading scientists and conservationists of his day. Laughing Brook in Hampden is the property where he lived and roamed during the years he wrote his famous nature stories.

A new biography of Thornton Burgess has recently been published. The author, Christie Palmer Lowrance, spoke recently at the Hampden Library. Her book, *Nature's Ambassador: The Legacy of Thornton W. Burgess*, promises to highlight Burgess' skill and role as a conservationist and naturalist. This has been overlooked as people focused on his prolific output of nature stories. Copies are available at the Hampden Library.



Club member Kevin Kopchynski continues the tradition of nature education at Laughing Brook with a series of nature walks held the third Saturday of most months from 10-11:30 a.m. The walks are intended for families with children age 5 and up; however, adults without children often attend and are welcome. These are programs offered by Mass Audubon and require registration and a fee of \$3 for members and \$5 for nonmembers. You can call Kevin for information at 413-267-4757, but you will also need to register with Mass Audubon at Arcadia at 800-710-4550. Laughing Brook is located on Main Street in Hampden.

Events at Laughing Brook, January to March 2014

Tracking and Animal Signs, Saturday, January 18 and February 15

At one time, being able to read tracks was critical for survival. Tracking is more than simply finding a trail and following it, and prints aren't always necessary to track an animal. The forest is full of signs that tell us about the wildlife within. Learn to read the tracks and signs left by animals.

Spring at Laughing Brook, Saturday, March 15

According to the calendar, spring is still a few days away; however, the observant outdoor nature detective may have been seeing evidence for weeks. By this time of year, early avian species such as red-wing blackbirds and turkey vultures have returned to our area. We will look for skunk cabbage poking its leaves from beneath the snow or soil, warming the ground around it. We will also look for spring insects such as lightning bugs, and perhaps early frogs.

Dorothy Anne Wheat and Phyllis Wheat Smith Naturalists' Club Funds

Over the years, grants have been distributed from the Dorothy Anne Wheat and Phyllis Wheat Smith endowments with an eye toward supporting land acquisition, habitat protection, and wildlife preservation and rehabilitation, as well as promoting environmental education and an awareness of the natural world.

The Board of Directors is pleased to announce grants to Fannie Stebbins Memorial Wildlife Refuge, Massachusetts Birds of Prey Rehabilitation Facility, and The Trustees of Reservations for Peaked Mt. Reservation.

The grants were drawn from our endowment with the Community Foundation of Western Massachusetts.

Looking forward to . . .

2nd Annual Pioneer Valley Outdoor Fair, Holyoke Community College, Holyoke
Saturday, April 26, 9 a.m. to 3 p.m.

Mark your calendar to come join the fun at the 2nd Annual Pioneer Valley Outdoor Fair, browsing the booths of all the outdoor clubs and organizations here in the Valley. Participate in one or several of the many hikes and activities that will be ongoing throughout the day.

Just a reminder . . . Please be mindful of the environment. If possible, please carpool to your destination and share costs with your driver. Thank you. ~ Naturalists' Club Board of Directors

THE NATURALISTS' CLUB 2013 - 2014

FROM THE TREASURER

Those with a date of "13-14" (or later) on your newsletter mailing label have paid for this year. Otherwise, your dues are owed for the year that started in September 2013. You may renew by sending a check (payable to The Naturalists' Club) to Dave Lovejoy, Department of Biology, Westfield State University, Westfield, MA 01086 or by giving the check to Dave at the next monthly meeting.

Note: If your address and email address contact information have not changed, the form below need not be completed. We would, however, like to have your email address if you haven't sent it previously. Thanks.

Please note: Please direct changes or inquiries to Dave Lovejoy, who maintains the Naturalists' Club mailing list.

MEMBERSHIP LEVELS

- \$15 per year for Individual or Family Membership
- \$25 per year for Supporting Membership
- \$50 per year for Sustaining Membership
- \$300 for Lifetime Membership



RENEW YOUR MEMBERSHIP NOW

Name

Address

Phone Number

Email

Requests for programs/trips

Please send information per the above to Club Treasurer Dave Lovejoy, Department of Biology, Westfield State University, Westfield, MA 01086.

The NATURALISTS' CLUB was founded in 1969 for the purpose of actively promoting knowledge, appreciation, and preservation of our natural environment. It is an all-volunteer non-profit organization.

Education is a main focus of The NATURALISTS' CLUB. Programming, with an emphasis on local natural history, is designed to create camaraderie among people of diverse interests through experiences deepening their appreciation of nature. Activities are geared to acquaint the layperson with the natural world, mostly through field trips. Monthly meetings are held at the Science Museum at the Quadrangle in Springfield, Mass. Most field trips and programs are free.

OFFICERS & DIRECTORS

President

David Gallup
(413-525-4697)
davesuzy5@hotmail.com

Vice President

Nancy Condon
(413-564-0895)
spiderwoman@russellma.net

Treasurer

Dave Lovejoy
(413-572-5307)
dlovejoy@westfield.ma.edu

Corresponding Secretary

Suzanne Gallup
(413-525-4697)
davesuzy5@hotmail.com

Recording Secretary

Sonya Vickers
(413-566-3406)
sonya.vickers@yahoo.com

Directors

Tom Condon
(413-564-0895)
science@condon.net

Bill Fontaine
(413-533-2153)
wlf07@comcast.net

Jack Megas
(413-782-3962)

Dietrich Schlobohm
(413-788-4125)

VOLUNTEERS

Publicity

Leo Riendeau
(413-739-5546)
NaturalistsNews@comcast.net

Webmaster

Tom Condon
(413-564-0895)
science@condon.net

Newsletter Editor

Diane Genereux
(413-388-2830)
natclubnewsletter@gmail.com

Layout & Graphics

Loren Hoffman
(413-569-5689)
lkhgrdes@gmail.com