



## With Appreciation for our Volunteers and Donors

By Bryn Scriver, Preserve Volunteer and Outreach Coordinator

As is our tradition, we dedicate the spring issue of the Lakeshore Nature Preserve E-Newsletter to our volunteers and donors who give their time and resources to support the mission of the Preserve.

In 2018, 576 individual volunteers and 53 volunteer groups contributed 2,748 hours of service to the Preserve. Volunteers restored native species by planting over 1,100 plants, clearing 9.75 acres of woody invasive shrubs, and scouring another 85.5 acres of the Preserve for garlic mustard. They monitored 12 miles of trails, collected native seed, sharpened tools, and assisted with mailings and collecting research reports.

Along with volunteers, donors make our work possible by stretching the state funds we receive and helping us realize projects that simply couldn't be completed without their support.

In 2018, donors gave 76 gifts totaling over \$75,600. Private gift funds support the Preserve Endowment and Stewardship fund, allowing the Preserve to purchase the equipment and supplies that make our work possible. In the last year, donors also made possible the addition of four seasonal staff including two students who gained practical hands-on experience in land management, and a new bench in Muir Woods for our visitors' enjoyment.

The Friends of the Lakeshore Nature Preserve provided support in 2018 by continuing to fund the Eagle Heights Woods project and a summer intern crew. They also coordinated 30 field trips/nature walks that served over 650 community members.

Volunteers and donors become our biggest advocates, letting others know about the role the Preserve plays on the UW-Madison campus as our largest outdoor laboratory, and a place for respite and recreation.

If you would like to support the Preserve financially, gifts can be made through the [University of Wisconsin Foundation website](http://University of Wisconsin Foundation website) (enter "Lakeshore Nature Preserve" into the search box) or you can join an upcoming volunteer event listed on the [Preserve Events Calendar](http://Preserve Events Calendar).

Note: If you volunteered or made a gift in 2018 and your name was left out of this issue, please accept our apology and let us know by contacting the Volunteer Coordinator at [bryn.scriver@wisc.edu](mailto:bryn.scriver@wisc.edu).

VOLUNTEERS  
576

SERVICE HOURS  
2,748

GROUPS  
53

NUMBER OF GIFTS  
76

AMOUNT IN GIFTS  
\$75,600

Members of the UW Homecoming Committee show off a 'trophy' invasive buckthorn tree.





### From the Director...

## Lakeshore Nature Preserve Embarks on Strategic Planning Process

By Gary Brown, PLA, FASLA

I am happy to report that we are in the final process of engaging UW-Madison's Office of Strategic Consulting to assist in the development of a strategic plan for the Lakeshore Nature Preserve.

It is important to remember that this strategic planning process is a broad statement and guide for the on-going management of the Preserve. It is not a land management plan, ecological restoration plan, or a long-range facilities plan to guide or set priorities for capital improvement projects. These elements will all come after the strategic planning process is complete in late 2019 as an update to the 2006 Lakeshore Nature Preserve Master Plan.

The strategic planning process includes the following draft goals:

- Review and update the Preserve's 2006 Mission, Vision, Core Values, and Guiding Principles.

- Provide a strategic direction to guide the use and management of the Lakeshore Nature Preserve over the next 10+ years.
- Develop and facilitate stakeholder engagement processes that allow for the collection of ideas, information, and data needed to develop the strategic plan.
- Focus the strategic planning process on desired impacts and how to obtain these impacts in the coming years.
- Develop a written list of action items for moving the strategic plan forward and gaining approval and support from university leadership.

During April, stakeholders will have opportunities to engage in the process. Please visit the Preserve website at <https://lakeshorepreserve.wisc.edu/> to learn how you can be involved.



## 2018 DONORS

### Gifts to Stewardship Fund:

Colleen Anderson  
Yuqing Bai  
David Baumgartner  
Tracy Benton  
Paula Bonner  
Ann & Richard Burgess  
Caitlin Carlson  
Benton Carper & Jennifer Meyer-Carper  
Jennie & Adam Casavant  
Glenn Chambliss & Diane Derouen  
William Cronon  
Susan Denholm  
William & Alexandra Dove  
Melissa Ernest Aul & Jerry Aul  
Jere & Anne Fluno  
Friends of the Lakeshore Nature Preserve  
Dorothy Getz  
Kennedy Gilchrist & Heidi Wilde  
Alec & Barbara Granger  
Richard & Diana Granger  
Susan Gruber  
Robert Gurda  
Evelyn Howell  
Thomas Hudak  
James & Susan Jefferson  
Merck & Co  
Vince Jenkins & Stefanie Moritz  
Patrice Kohl  
Roma Lenehan  
Stanley Livingston & Anne Hughes  
Caitlin & Byron Malkus  
Marie McCabe  
Peter McCanna & Mary Dillion McCanna

Mary McCarthy  
Jean & Walter Meanwell Sr  
Lisa Munro & Richard Goldberg  
John Neu  
Emily & Thomas Nissley  
Kenneth & Nancy Ragland  
Ann & Douglas Rahn  
Nancy & Roger Rathke  
Anne Readell & Tony Goldberg  
Ronald Towle & Elinor Riley  
Rockwell Automation Inc  
Sissel Schroeder  
Thomas Sonnleitner Jr  
Anton TenWolde & Marcia Smith  
Anne Turner  
Jan & Stanley Tymorek  
Jack Westman  
Wisconsin Lions Youth Exchange Committee  
Levi & Janet Wood  
Laura & Dan Wyatt

### Gifts to Endowment Fund:

Mary Pat Bauhs  
Eleanor Blitzer  
Barbara & Theodore Crabb  
Richard Dubielzig  
Margaret Hendricks  
James & Susan Jefferson  
Frederick Kelcz & Sheryl Popuch  
Charles Keleny  
Nancy Mohs  
Perkins Cole Foundation  
Peter & Colleen Schmitz  
Maxine Triff

Jan & Stanley Tymorek  
Westside Garden Club

### Gifts to Class of 1918 Marsh Healing Path Fund:

Blair Mathews & Karen Johnson Mathews

### Gifts to Class of 1963 Fund:

James Friedlander

### Gifts to Friends Eagle Heights Woods project:

Barbara & Theodore Crabb  
John & Gisela Kutzbach  
Debby Peterson  
Kyle Schaible  
Rayla Temin  
Sarah & John Williams

### Gifts in honor of:

Doris Dubielzig - Richard Dubielzig  
Lionel Jensen - Anne Turner

### Gifts in memory of:

Ian Alexander Santino - Caitlin Carlson  
Isabel and Taylor Denning -  
WI Lions Youth Exchange Committee  
Harriet Riley - Elinor Riley & Ron Towle  
Alice and Myron Pugacz - Laura and Dan Wyatt  
Robert "Robbie" Granger -  
Richard and Diana Granger  
Alex and Barbara Granger  
Rockwell Automation Inc



# On Letting Nature Take Its Course

By Adam Gundlach, Preserve Field Projects Coordinator

For the last 100 years or so, much of the Preserve land (and the wider regional landscape) has largely been left for nature to take its course following Euro-Yankee settlement and conversion to agriculture. While this absence of management has allowed the establishment of thick forest where there was once grassland, savanna, and open woodland, if one knows what to look for, you can see what remains of the former systems.

Decaying remnants of formerly wide-arching limbs on the lower portion of thick oak trunks mark the transition from an open-structured, sun-loving community into a closed one. The open system was an artifact of thousands of years of human occupation—native peoples interacting with and managing the natural communities that they depended on. The closed system, too, is an artifact of human occupation, setting aside and separating nature from most human activities.

Ecological processes (e.g., fire, herbivory) that once maintained shifting patterns of diversity have long since ceased and been replaced by positive feedback loops that promote the dominance of a handful of undesirable species, buckthorn, honeysuckle, and garlic mustard, to name a few. Even early-successional native trees like boxelder, elm, ash, and black cherry can be grouped in the undesirable category if the goal for a particular location is to return a slice of the former open-structured community.

The decision to take land once under a regime of recurring ecological processes and manage it passively, letting nature take its course, often leads to decreasing biological diversity and loss of function as species that depend on routine disturbance disappear. This is especially true in an era of constant pressures from urbanization, fragmentation, invasive species introductions, extreme weather, and changing climate patterns.

Dr. Jim Zimmerman, the late UW-Madison naturalist and teacher explained in a Wisconsin State Journal article from May 9, 1971 that “to

destroy a marsh, you don’t have to kill it suddenly. You don’t have to drain it or fill it. You can poison it with polluted water, choke it with silt, or strangle it with the pressure of too many people, too close... We won’t wake up tomorrow and find it gone. But we are losing it slowly, step by step, all the same.”

This same concept can be applied to incremental loss in our uplands, as formerly open-structured communities are “strangled” with early successional trees and invasive shrubs. Tom Brock detailed this



process in a 2016 blogpost (“[A savanna relic: Open-grown oaks at Madison, Wisconsin’s Picnic Point](#)”) on the Pleasant Valley Conservancy website.

Just to the south in Illinois, Stephen Packard comments on “[Campaigns to Save Oak Animals](#),” calling out four species that live in oak savannas and woodlands, two of which (the endangered rusty-patched bumble bee and red-headed woodpecker) are known to occupy the Preserve. These species depend on open-structured oak communities to survive, and as these oak communities have closed in structure, we collectively have closed in on the disappearance of these now priority species.

Much of the work we do today in the Preserve seeks to increase (or main-

tain) light to the ground layer and reintroduce the disturbances that encourage a diverse community. One of the management principles our friends on the UW Arboretum land care crew operate under is “manage diversely to manage for diversity.” This entails variability in the timing, conditions, type, and intensity of our management applications in any given location.

Fire is an important starting point, as it is one of the more powerful, efficient, and effective tools in the toolbox of the modern land manager. Fire alone, in its present day context, is not a magical elixir to solve all management issues. Aldo Leopold lists other tools in this oft-quoted passage from his textbook *Game Management*, “Game [land] can be restored by the creative use of the same tools which have heretofore destroyed it—axe, cow, plow, fire and gun.”

Updated for the present day, land is restored through routine and well considered application of chainsaw, brush cutter, prescribed grazing, mechanized equipment, prescribed fire, and sprayer wand.

As Preserve management continues into the future, trees will be felled, and new ones will grow; areas of scrubby habitat will be mowed or, perhaps, browsed by livestock, and new ones will grow; management priorities will be set, and new ones will grow in the minds of the next generation of land stewards. Fires will be set, herbicide will be directed at invasive species, native seeds will be sown and seedlings will be plugged into the soil. Mowers will mimic herbivores in some areas, and swaths will be left to natural succession in others.

Organisms of all kinds will continue to call the Preserve home. Their number and particular location will shift and shift again, and with it nature’s course will shift as well. In the shifting is where biological diversity thrives. A stagnant system slowly suffocates.

And so, we manage diversely to manage for diversity.

## UWPD Assigns Liaison Officer to Preserve

By Jeff Kirchman, UWPD Police Officer

Hello! My name is Jeff Kirchman, and I recently assumed the role of UW-Madison Police Department's liaison officer for the Lakeshore Nature Preserve.

I've been an officer with UWPD for just over a year, and served as a law enforcement officer for over 16 years in Shorewood Hills and Maple Bluff. I'm currently assigned as a day-shift patrol officer.

As a liaison officer, I see my role primarily as a communicator and a facilitator. My goal is to ease, increase, and improve the two-way flow of information between the police department and the Preserve staff, as well as interested groups. Additionally I hope to serve as a convenient, responsive resource to answer questions and address concerns impacting this important natural area.

I grew up in northern Wisconsin, where I developed my love for the outdoors. I spent over 10 years as an

adult leader in the Boy Scouts of America, five of those as a Scoutmaster, and both of my sons are Eagle Scouts. My wife and I, along with our two dogs, are currently working to hike the full length of the Ice Age Trail. In addition to my normal patrol duties, I also serve as the department's Arboretum liaison, and am a member of a special team tasked with enforcement activities at the University's Upham Woods property, near Wisconsin Dells.

I would love for people to reach out to me with any questions or concerns they have regarding enforcement activities in the Preserve, or police matters in general. I can be reached at 608-264-2677(COPS) or [jkirchman@wisc.edu](mailto:jkirchman@wisc.edu).



UWPD Police Officer Jeff Kirchman is the Lakeshore Nature Preserve's new liaison officer.

## 2018 VOLUNTEERS

Travis Ace  
Connor Acker  
Sam Acker  
Sarah Aik  
Jeffrey Alberts  
April Alfaro  
Sam Allen  
Kathryn Anderson  
Joey Anzia  
Christopher Archuleta  
Catherine Armina-Quinlan  
Ben Armstrong  
Mitchel Arnold  
Nakul Arora  
Jeff Atkins  
Maddy Attewell  
Ben Bagniewski  
Denver Baker  
Jamie Bang  
Michael Bartley  
Chase Baumann  
Rob Beattie  
Carson Beaty  
Pat Becker  
Mikhaela Beebe  
Kayla Behnke  
Isaia Ben-Ami  
Brittany Bertram  
Sara Beuthien  
Niya Beverley  
Iffat Bhuiyan  
Aaron Bibb  
Hannah Bibb  
Rebecca Biggs  
Derek Binkley

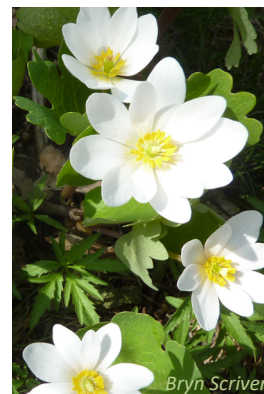
Eva Binkley  
Jennifer Binkley  
Sammy Binkley  
Charlie Biolo  
Maya Black  
Angie Blechl  
Sarah Bluvas  
Chris Boehnlein  
Ben Boerigter  
Alyssa Bokotey  
Maddie Boleyn  
Jessica Booker  
Kari Borowski  
Bobby Bourguignon



Alex Bouvy  
Jovaughn Bowen  
Rebecca Bradbury  
Dan Brainerd

Lauryn Branham  
Calvin Brantum  
Keira Brantum  
Matt Braund  
Rachel Braund  
Zach Breunig  
Terry Brimley  
Madison Buening  
Ann Burgess  
Marissa Burkman  
Bradley Butcher  
Jake Bychowski  
Mac Byer  
Kathy Campbell  
Cecilia Cardenas  
Molly Carmichael  
Clint Carney  
Jackie Chang  
Haoming Chen  
Jessica Chen  
Hannah Cheung  
Brandon Chic  
Tenzin Chokyi  
Matt Chotlos  
Nate Chotlos  
Ahyun Chung  
Michelle Chung  
Travis Cisney  
Eric Clapper  
Kaitlyn Clark  
Taylor Clinton  
Joshua Coady  
Wil Cocke  
Jacob Colvis  
Janis Cooper

Sydney Cornwell  
Jesus Cortez  
Mark Crowder  
Sean Cusick



Rebecca Cutforth  
Turner Daley  
KC Daniels  
Joseph Danna  
Kyle Daruwalla  
Ananda Deacon  
Andrea Debbink  
Yeline Del Carmen  
Zach Demko  
Stephen Dennison  
Glenda Denniston  
Margaret Dentine  
Blake DeSwarte  
Maya Dettwiler

Ryan Deubler  
Ignatius Devkalis  
Angad Dhariwal  
Yashodhara Dhariwal  
Farold Dias  
Cori Dick  
Courtney Dineen  
Jessica Diol  
Lucas Dobrzynski  
Matthew Dolezdek  
Steven Domiter  
Sean Donahue  
Yuxuan Dong  
Brendan Dooley  
Kimberly Dornbusch  
Eric Drake  
Emma Drezen  
TJ Driver  
Jacob Droeszler  
Lindsey Drozd  
Doris Dubielzig  
Bryce DuCharme  
Stephanie Duller  
Emma Ebert  
Magaret Edman  
Annie Edwards  
Christien Eken  
Michael Eustice  
Audrey Evans  
Randy Faasualamalie  
Conor Fagan  
Conrad Farner  
Dawn Farruggia  
Henry Feldman  
Jonathon Ferguson

Continued...



## Working the Night Shift: Students Track Bats in the Preserve

By Seth McGee, Biocore Lab Manager

As the sun sets on a hot day in late August, I scan the Picnic Point parking lot for signs of life. At this time of year, I'm typically in pursuit of migrating warblers or blooming gentians. Today though, I'm looking for humans; ones bold enough to brave the sweltering humidity, swarming mosquitos, and soggy trails of the recently flooded Preserve. As the sun drops below the horizon, turning the sky into a mottled purple canvas above Bill's Woods, I spot three undergrads leaping over ankle-deep puddles and giggling as they make their way towards me on the Temin Lakeshore Path.

"Even real bug spray does nothing out here!" says one of the UW Biocore students as I sheepishly greet them with my spray bottle of eucalyptus oil. I hand over a hard-shell backpack that contains a device, on loan from the Wisconsin Department of Natural Resources, which will help the students find what they came looking for: bats.

These students are part of the newly formed UW Bat Brigade, a coalition of students, volunteers, and professionals who are gathering data to help further the understanding of bats in the Preserve. The bat detecting device picks up acoustic signals that bats use for echolocation. The data it records is analyzed by the DNR and is included in a statewide bat monitoring project. Maps generated from the data detail what species were detected at precise locations along the survey route. A typical survey traverses much of the Preserve, though woods, community gardens, shoreline, and prairie, in order to help inform us about bat habitat use. A single survey offers an important glimpse into what species are present and what parts of the Preserve are favored.

Furthering our understanding of bat populations has become increasingly important in recent years. Since 2014, when a devastating disease called White Nose Syndrome was first detected in Wisconsin, bat populations have plummeted dramatically. With increasing habitat destruction and new environmental pressures like climate change and wind turbines, Wisconsin bat species are in trouble.

The Bat Brigade hopes to establish a long-term campus data set that will aid biologists in the bat recovery effort while engaging UW students in research questions about bats on our campus like when do migratory bat species arrive in Madison, do bats avoid streetlights, or does moon phase play a role in bat activity. So far, the Brigade has logged thirteen surveys in the Preserve, traversing 65km and detecting up to four species on a single night (Little Brown, Eastern Red, Hoary, and Big Brown).

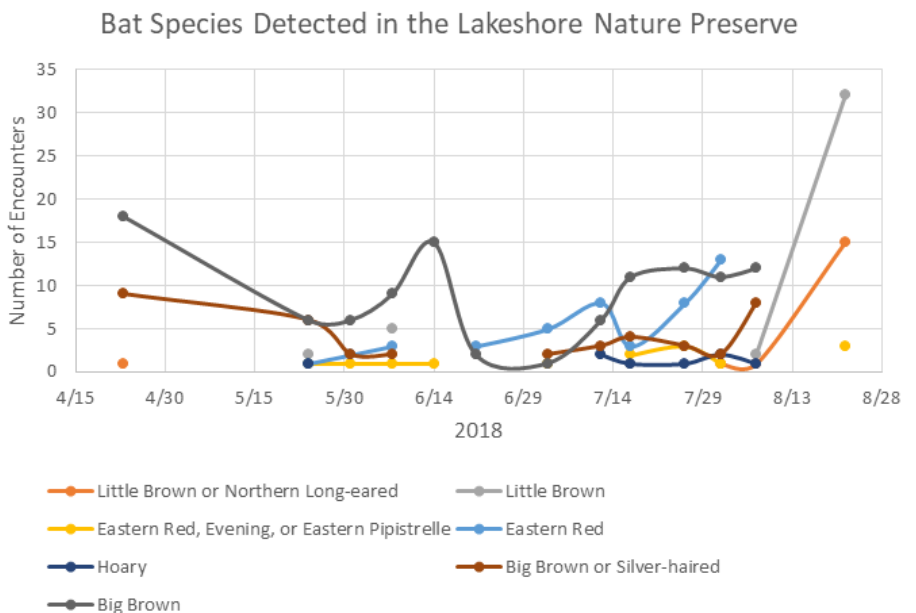
As the students on this particular August evening boot up the bat detector to begin their survey, the device starts clicking wildly. A barely-visible bat swoops towards us through the twilight, down from the University Bay tree line. The machine screeches out echolocation calls translated for us to hear as the bat barely misses our heads. "Better than eucalyptus oil!" exclaims one of the students proudly as they set off on their hike towards Frautschi Point to gather data on our imperiled nocturnal friends.

If you have questions or would like to get involved in the bat monitoring effort which will resume this spring, please email [seth.mcgee@wisc.edu](mailto:seth.mcgee@wisc.edu).



Top: Bat Brigade logo by UW Zoology Museum artist Jacki Whisenant.

Bottom: A Bat Brigade member conducting a night-time survey for bats.



Compiled results from 2018 bioacoustic Bat Brigade surveys in the Lakeshore Nature Preserve. Circles represent total number of bat encounters for specific dates for each species. Connecting lines demonstrate temporal variability and are not intended to infer data trends between survey dates.

# Lakeshore Nature Preserve Committee Awards 2019 Student Engagement Grants

By Laura Wyatt , Preserve Program Manager

We are pleased to announce the most recent recipients of the Lakeshore Nature Preserve Student Engagement Grants. Each year the Lakeshore Nature Preserve Committee awards grants of up to \$1,000 through a competitive process. Student Engagement Grants provide financial support to undergraduates and faculty or staff working with undergraduates utilizing the Preserve as a resource for research and education. The funds are made possible through the Academic Endowment Fund of the Preserve at the UW Foundation and established by former faculty members, Robert M. Goodman and Henry Hart.

## \$ 1,000 - Forming Connections Using Sweet Potatoes;

Undergraduate researcher: Savannah Holt. Advisors: Malachi Persche, Research Fellow, USDA Dairy Forage Research Center, and Tom Bryan, GreenHouse Learning Community Program Coordinator.

**Summary:** The central idea of this grant is to bring communities together through an innovative way of growing sweet potatoes. The project has two primary aims. The first is agricultural research on CALS land at Eagle Heights Gardens to test promising container systems for sweet potatoes. The second is to develop a community-engaged

partnership between Eagle Heights residents and UW Lakeshore Neighborhood residents. We will work with the Eagle's Wing Child Care staff to offer sweet potato container garden workshops in early summer. In the fall, we will coordinate with UW Housing staff to host a harvest festival.

## \$ 1,000 - Quantifying Associations Between Buddings Yeasts and Tree Species in the Lakeshore Nature Preserve;

Undergraduate researcher: Rachel Schneider. Advisors: John Wolters, Postdoctoral Research Fellow, and Chris Hittinger, Associate Professor of Genetics.

**Summary:** Yeasts are highly versatile organisms and can be found broadly throughout nature. They are present in many ecosystems and in a large variety of climates. Yet, we still do not have a clear understanding of the role they play in these ecosystems. An integral part of understanding their role is looking at their patterns of distribution in an ecosystem. To accomplish this, I will sample trees and record temperatures in the woodland area of the Lakeshore Nature Preserve for three months. From this data, I will formulate a more comprehensive understanding of yeast ecology.

## 2018 VOLUNTEERS

Jayer Fernandes  
Evan Fernandez  
Joseph Fernandez  
Jacob Fibert  
Joshua Firestone  
Megan Fischer  
Peter Fisher  
Julia Flynn  
Samantha Follen  
Anne Fonicello  
Dale Forsch  
Jason Frahm  
Colman Freel  
Maggie Freking  
Peter Friedl  
Tracy Fritz  
Emma Froelich  
Shaun Frogulski  
Barbara Gally  
David Gally  
David Garcia  
Peyton Gardipee  
Benjamin Garrett  
Tia Garthus  
Catherine Garvens  
Jason Garvens  
Rowan Gast-Bray  
Greg Gatcombe  
Connor Gates  
Quinn Gavin  
Rob Geissler  
Kallia Gibbons  
Andrew Gibson  
Jacob Giese  
Kennedy Gilchrist  
Suzanne Gilreath  
Nicolas Gimelli  
Rachel Gingrich  
Chris Gitter  
Viktorria Glissendorf

Patty Gobin  
Sarah Goldenberg  
Hannah Gordon  
Gwyneth Gough  
Stacie Govier  
Sophia Grande-Campbell  
Olivia Graves  
Carla Green  
Erin Green  
Laura Green  
Ethan Grindle  
Samantha Groh  
Jessica Gronn  
Mason Guell  
Celeste Gunderson  
Megan Gundrum  
Kiley Gustafson



Marcus Hagstrom  
Gabe Hall  
Alyssa Hamrick  
Galen Hasler  
Grace Hasler  
Henry Hasti

Cole Hazlett  
Elizabeth Heider  
Kelton Heinemann  
Rob Heins  
Luke Henricks  
Maihlee Her  
Julia Hewitt  
TJ Hinds  
Heather Hodges  
Emily Holtzmann  
Hank Hopkins  
Lori Hornbeck  
Donna Howell  
Nguyen Hua  
Mianzhi Huang  
Emma Hubler  
Ellen Hughes  
Ethan Hughes  
Cole Hullfish  
Ahmed Ibrahim  
Jordan Ingbretson  
Matthew Ingebritson  
Sahana Iyer  
Michelle Jackson  
Noriko Jackson  
Parker Jahns  
Ian Jasso  
Vince Jenkins  
Yeonseo Jeong  
Meredith Jessesky  
Grace Johnson  
Maura Johnson  
Megan Johnson  
Michelle Johnson  
Andrew Joncich  
Paige Joncich  
Connor Jones  
Nicholas Juntunen  
Rachel K.  
Joe Kalin

James Kardatzke  
Erin Kaufmann  
Nicole Keane  
Alec Keenbler  
Ben Keesor  
Gwen Kelley  
Laura Kelley



Campbell Kelter  
Daniel Kelter  
Rachel Kennedy  
Shannon Kim  
Elle King  
Josh Kinsey  
James Klau  
Kayla Klein  
Andrew Klinger  
Will Klos  
Haley Knight  
Srinand Kodali  
Alexandra Kois  
Dustin Koppa  
Katie Koppen  
David Koser

Logan Kossel  
Sarah Krahn  
Collin Krause  
Jacob Kreckman  
Elizabeth Kredell  
Michaela Kromrey  
Maddy Krueger  
Alex Krzyston  
Maxwell Kubisiak  
Robyn Kuchler  
Gautam Kumar  
Gisela Kutzbach  
Eva Lai  
Ruby Lambert  
Dan Larson  
Jim Lauby  
Eleanor Lawler  
Matthew Lawler  
Ben Lebowitz  
Amanda Lee  
Roma Lenahan  
Rourke Lenz  
Anthony Leonard  
Jason Leonardo  
Adam Leonhard  
Tal Levanony  
Ellen Lewis  
Belle Li  
Adam Lifka  
Jordan Littell  
Emily Litvak  
Ariana Longo  
Helen Lu  
Lanna Ludolph  
Anna Luebke  
Andrew Lupario  
Finn Lynch  
Tom Lynch  
Jason Lyons  
Nick Machacek

Continued...



## Eagle-Approved Efforts in Eagle Heights Woods

By Adam Gundlach, Preserve Field Projects Coordinator

As late summer drifted into fall, like a leaf gliding to ground from tree, thoughts turned to prescribed burns. But the autumn season did not yield a suitable opportunity to conduct a burn in Eagle Heights Woods. In December, the crew from Good Oak Ecological Services began invasive brush removal along the western portion of the North Zone. This steep slope, situated between Lake Mendota Drive and the Indian burial mounds on the upper plateau, still holds a diversity of native plants not found elsewhere in the Preserve. Though many of these species are shade tolerant, a thick tangle of buckthorn had filled-in the understory over the years, likely reducing the density and diversity of the ground layer community that hangs on today.

During the first week of work, a bald eagle soared overhead, directing its gaze of approval for the next chapter of Eagle Heights Woods management. By early January the Good Oak crew had mastered their skills on the steep slope, clearing buckthorn from roughly two acres. With a Madison Fire Department burn permit in hand, and a layer of snow coating the slope, brush piles were burned on-site to dispose of the debris generated during the work.

Given the steep terrain, work progressed more slowly than previous efforts in other management zones. The remaining eastern portion of the North Zone will be wrapped into fall/winter 2019-20 brush removal plans working into the East Zone, which is the final section of Eagle Heights Woods left for initial brush removal. For now, there is a distinct dividing line between the area cleared this winter and the remaining buckthorn thicket to the east, which offers a good comparison for those hiking the north trail paralleling Lake Mendota Drive.

Following the arctic freeze in January, and between large snow events, frozen ground conditions allowed equipment access near the burial mounds group. Preserve staff worked with Wolfe Tree Service to remove hazard tree debris from the vicinity of the Indian mounds. The boles of large oak trees, previously felled to protect the adjacent mounds after they succumbed to oak wilt, sat prominently between the two linear mounds. Removal of the large prostrate trunks will open views across the mounds group. The debris removal will also improve prescribed fire implementation efficiency by reducing mop-up needs for years to come.



**Top:** Contractor employees work to clear invasive woody brush on the North slope of Eagle Heights Woods.

**Bottom:** The tree contractor uses a mini skid steer to carefully remove large woody debris adjacent to the Indian burial mounds. Photos by Adam Gundlach.

## 2018 VOLUNTEERS

Issis Macias  
Jeanne Mack  
Tom Mack  
Tien Mai  
Tara Manteufel  
Alex Manville  
Ben Marini  
Melia Markham  
Ben Marquardt  
Gustave Marquez  
Leah Marrari  
John Marszal  
Jack Martin  
Kaina Martines  
Olympia Mathiapararam  
Bradley Matthiesen  
Hannah McBride  
Kate McClure  
Dan McCluskey  
Alison McDade  
Jack McGee  
Aleah McGowan  
Patrick McLean  
TJ McLean  
Callan McNamara

AJ Meinig  
Mitchel Meissen  
Dan Meister  
Lisa Mensink  
Lexi Merritt  
Lizzy Merten  
Izak Messany  
Ryan Messmer  
Gage Meyer  
Jarad Meyer  
Quinn Meyer  
Cody Michaelis  
Laura Miller  
Jacqueline Millonzi  
Graham Mincks  
Justine Mischka  
Shanna Mitchell  
Nicole Moehn  
Ahmad Moghadam  
Shourya Mohaniya  
Michael Montalbano  
Bridget Montour  
Dean Montour  
Drew Montour  
Kaitlyn Montour

Jacob Moore  
Brooke Morten  
Sydney Mortenson  
Selina Moy  
Cory Mueller  
Carolyn Munley  
Mason Murphy  
Ramla Mursal



Sarah Naatz  
Karen Nakasone  
Sanjana Nambudin  
Keaton Nankivil  
Seth Narr  
Zach Nasgowitz  
Angie Nash  
Beatrice Naujalyte  
Darius Naujalyte  
Michelle Navarro  
Ortmann Neil  
Carolyn Nelson  
Paige Nelson  
Sadie Nelson  
Shay Nelson  
Dan Ngo  
Benjamin Nguyen  
Katie Nicholas  
Hercules Nikolaou  
Noah Nordness  
Phillip Nowak  
Mike Nowicki  
Sacha Nunn  
Dylan Nysted  
Tiana Obara

Hannah O'Brien  
Michael O'Brien  
Andrew Ochoa  
Ellie O'Flanagan  
Paul O'Flanagan  
Robert Olmr  
Steve Oser  
Olivia Osinski  
Miranda Ostrowski  
Eden Parke  
James Parke  
Matthew Parker  
Neha Patil  
Aaron Patterson  
Brent Paulson  
Aaron Pawlinski  
Katelyn Pecha  
Kai Pederson  
Susana Perez  
Nicholas Pergal  
Cassidy Perry  
Claire Peters  
Jacquelyn Peterson  
Sonia Petty  
Jaime Pham

Continued...

## JOIN THE FUN! PRESERVE VOLUNTEER OPPORTUNITES

Volunteers care for the Preserve by removing invasive plants, planting native plugs, and maintaining trails. Training, tools, and gloves are provided. Volunteers should dress to work outdoors; long pants and closed-toe shoes are required. Groups and youth are welcome with advance notice.

For more information contact the Volunteer Coordinator at [bryn.scriver@wisc.edu](mailto:bryn.scriver@wisc.edu)

DATE	DAY	MEETING PLACE
MARCH 31	SUN	PICNIC POINT LOT 129
APRIL 13	SAT	PICNIC POINT LOT 129
APRIL 27	SAT	PICNIC POINT LOT 129
MAY 5	SUN	TBD *1:00-4:00PM
MAY 18	SAT	FRAUTSCHI POINT LOT
JUNE 8	SAT	PICNIC POINT LOT 129
JUNE 23	SUN	PICNIC POINT LOT 129
TIME: 9:00AM-NOON (EXCEPT MAY 5*)		

## VOLUNTEER STEWARDS PROVIDE ONGOING CARE FOR THE PRESERVE

In Fall 2016, Preserve staff implemented a Volunteer Steward Program to complement our bi-monthly drop-in work parties. Since then 11 volunteers answered the call to join in this on-going effort. Volunteer Stewards commit to at least one year of service, who by virtue of their on-going relationship with the Preserve develop their skills and knowledge about the Preserve and the nature within. They receive training on specific tasks and carry those out largely on their own, under the supervision of Preserve staff. Volunteer Stewards monitor trails, clean kiosks, maintain tools, care for our entrance plantings, perform ecological restoration work, assist with collecting and organizing research reports and help prepare special mailings. We continue to develop this program. If you are interested in learning more about this opportunity, please contact Preserve Volunteer Coordinator, Bryn Scriver, at [bryn.scriver@wisc.edu](mailto:bryn.scriver@wisc.edu) or 608-220-5560.

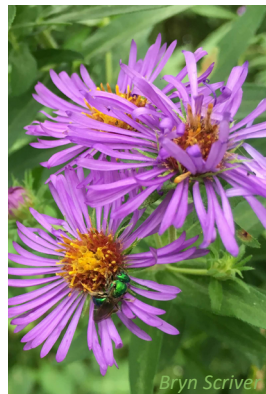
Many thanks to our 2018 Volunteer Stewards:

Janis Cooper	Ann Burgess	Glenda Denniston
Kennedy Gilchrist	Vince Jenkins	Roma Lenehan
Steve Sentoff	Robyn Weis	Spencer Yurkowitz

## 2018 VOLUNTEERS

Tyler Phelps  
Riley Pieper  
Hannah Pilch  
Faith Pilditch  
Ben Pilon  
Helena Pliszka  
Grace Puc  
Najhee Purdy  
Stacie Puylear  
Natalie Queally  
Paul Quinlan  
Drew Quiriconi  
Preetham Ramraj  
Caleb Randall  
Jakob Ravn  
Abby Rechkin  
Sam Regenfelder  
Shea Rettler  
Adam Rexroade  
Max Reynolds  
Marjorie Rhine  
Matt Rivard  
Kaitlin Roberts  
Mary Roberts  
Alex Rosenflanz  
Emily Rosenthal  
Tim Rosenthal  
Mia Rossi  
Seth Rueter  
Bridget Ruhle  
Stella Rumble  
Jack Saloga  
Jeremy Sanford  
Yaman Sangar  
Lakch Saraf  
Vetha Sashikumar  
Sugeeth Sathish  
Ann Saucedo

Caitlin Scarborough  
Jack Schaefer  
Mindy Scheiner  
Anna Schmidt  
Marcia Schmidt  
Adelaide Schmitt  
Travis Schmitt  
Jackson Schoepp  
Caroline Schreiner  
Cody Schuelke  
Alexis Schultz  
Dylan Schulz  
Anna Eliese Scott  
Isaiah Scott  
Lynsey Sczechowicz



Britta Seaberg  
Ben Sellers  
Monica Sentoff  
Steve Sentoff  
Carlie Servais  
Zach Servais

Emmett Sexton  
Ruchi Shah  
Matt Shapiro  
Monika Shea  
Chelsea Sheedy  
Connor Sheedy  
Claudia Sheldon  
John Shields  
Hannah Sigg  
Pranay Siraraman  
Susan Slapnick  
Luke Smetters  
Austin Smith  
Brad Smith  
Lauren Smith  
Ben Smogard  
Paul Sohn  
Elizabeth Somsen  
Rachel Spiegelhoff  
Bethany Spooner  
Anna Sofia Stans  
Annie Staskunas  
Jake Steen  
Cole Stevenson  
Abbey Stollenburg  
Mike Sungurtekin  
Kristen Susuki  
Kayla Swanningson  
Carol Ta  
Charmaine Tabilar  
Amisha Talati  
Yigeng Tan  
Ashley Tatuel  
Eric Tatuel  
Natalie Tesch  
Jackson Thiel  
Grace Thompson  
Christopher Thompson

Megan Thompson  
Sam Thompson  
Lillian Tong  
John Torresani  
Steven Touney  
Alexis Tousignant  
Alisa Tran  
Michael Treadaway



Ryan Treves  
Francesca Van  
Allison Vandenberg  
Manuel Vargas  
Mason Vaughn  
Tyler Vaughn  
Claire Vavrus  
Keisha Verbeten  
Christopher Vergara  
Bailey Visker  
Will Vuyk  
Emma Wagner  
Ted Waldbillig

Hannah Waldman  
Elena Wallenfang  
Aaron Wambach  
Alyssa Wang  
Katia Wanish  
Michael Warwick  
Christopher Watson  
Rachel Watson  
Sydney Watson  
Kyle Webert  
Amanda Wegner  
Brady Wegner  
Robyn Weis  
Brenda Weiss  
Ryan Wenzel  
Dan Werner  
Corinne Wertrion  
Eloise Wesenberg  
Elizabeth Wheeler  
Jim White  
Carly Winner  
Ryan Winters  
Luke Witck  
Kaitlyn Wolfinger  
Simone Wright  
Kelly Wu  
Emily Wurst  
Luke Wynn  
Jackie Xiong  
Chue Feng Yang  
Tianxiao Yang  
Spencer Yurkowitz  
Aayush Zaveri  
John Zwick





## Friends of the Lakeshore Nature Preserve Spring/Summer Field Trips—2019

Bryn Scriver

### April

**7 Destination for Exploration at Picnic Point** (Sun, 2:00–3:30 p.m.). Learn the natural and cultural history of Picnic Point with the Friends of the Lakeshore Nature Preserve. Stop at five exploration stations to learn about rocks and fossils, trees, and effigy mounds; make seed balls to attract butterflies; and try out binoculars and a spotting scope. Meet at the entrance to Picnic Point. Coordinator: Doris Dubielzig (239- 4196, dbdubielzig@gmail.com).

**16 Beyond Backyard Birding** (Tue, 7:30–9:30 a.m.). This trip is especially for backyard birders looking to improve their skills! Have your bird questions answered and get help identifying those small streaky brown birds and other early spring migrants. Binoculars for loan. Trip limited to 20 people—register with the Madison Audubon office (255-2473, bmarsicek@madisonaudubon.org). Meet at the entrance to Picnic Point. Leader: Alex Jeffers (330-931-6321, AlexJeffers@gmail.com).

**28 Bird and Nature Outing: Bill's Woods Spring Wild-flowers** (Sun, 1:30–3:00 p.m.). Explore Bill's Woods—the first Friends project, started in 2001 to look for spring ephemerals. Learn how to identify wood phlox, violet, bloodroot, Jacob's ladder, wild strawberry, and other wildflowers. This is a family-friendly hike. Meet at the entrance to Picnic Point. Leader: Glenda Denniston (231-1530, glendadenniston8@gmail.com).

### May

**15 Warblers of Frautschi Point** (Wed, 7:30–9:30 a.m.). We will focus on seeing warblers and other spring migrants through foliage. Bring binoculars and a field guide if you have them. Meet at the Frautschi Point parking lot on Lake Mendota Drive. Leader: Roma Lenahan (238- 5406, rlenahan@charter.net).

**19 Groundswell: Annual Bird Walk** (Sun, 8:30–10:30 a.m.). Hear how a group of citizens created a groundswell of community support and saved the 3.4-acre Wally Bauman Woods on the bluffs of Lake Mendota. We will look for different species of warblers and other migrants. This is a free public event, but registration is required. Use form to register: <https://groundswellwisconsin.org/page.asp?page=2019bird-walk>. Meet at the entrance to Picnic Point.

**26 Bird and Nature Outing** (Sun, 1:30–3:00 p.m.). See box.

### June

**8 First Nations Cultural Landscape Tour** (Sat, 1:00–3:00 p.m.). Join Aaron Bird Bear for a walking tour of American Indian landmarks on the UW-Madison campus. Starting at Memorial Union, we will walk about a mile to DeJope Residence Hall, with stops at seven locations to learn about Native history and cultural significance. Meet at Memorial Union (2nd floor main lounge). Some tour stops are accessible using the free campus 80 bus. Leader: Aaron Bird Bear (abirdbear@wisc.edu).

**12 Lake Mendota Boat Trip** (Wed, 9:00–11:30 a.m.; weather date, Fri, June 24). Learn about Lake Mendota and the shoreline of the Preserve from aboard one of the UW Center for Limnology research vessels. Meet at Hasler Limnology Lab, one block west of Memorial Union. Group size limited to 12; reserve your place with leader John Magnuson (john.magnuson@wisc.edu).

**23 Bird and Nature Outing** (Sun, 1:30–3:00 p.m.). Join the Board of the Friends of the Lakeshore Nature Preserve on a friendly and informative walk that will take you to their favorite places in the Preserve. Meet at the entrance to Picnic Point.

### July

**7 The Biocore Prairie Experience** (Sun, 9:00–11:00 a.m.). Get a behind-the-scenes look at restoration efforts and various student research projects. The UW Biocore Prairie provides a unique natural classroom experience that supports the goals of the Lakeshore Nature Preserve. Meet at the entrance to Picnic Point. Leader: Seth McGee (265-2870, seth.mcgee@wisc.edu).

**13 Trees of the Preserve** (Sat, 1:00–3:00 p.m.). A mid-summer hike reveals the amazing variety of trees in the Preserve. Enjoy an afternoon identifying and learning about trees as they pass through annual seasonal changes. Meet at the entrance to Picnic Point. Leader: Glen Stanosz (265-2863, gstanosz@wisc.edu).

**21 Native Pollinators in the Preserve** (Sun, 9:00–11:00 a.m.). Join us in searching for bees and other pollinators while learning about their diversity, behaviors, and importance. Meet at the entrance to Picnic Point. Leader: Susan Carpenter (886-7504, susan.carpenter@wisc.edu).

**28 Bird and Nature Outing** (Sun, 1:30–3:00 p.m.). See box.

### August

**10 Bird Banding in the Preserve** (Sat, 7:00–10:00 a.m.). Join Jackie Sandberg, Wildlife Rehabilitation Training Coordinator for the Dane County Humane Society, to learn about bird banding, how banding helps expand our knowledge of birds, and our efforts towards conservation. Stop by any time during the listed hours. From the Picnic Point entrance, walk up to Biocore Prairie. Leader: Jackie Sandberg (838-0413, jsandberg@giveshelter.org).

**18 Food for Thought** (Sun, 1:30–3:00 p.m.) Join UW-Madison ethnobotanist Eve Emshwiller in a search for edible and other useful plants in the Preserve. You will learn about the evolution and the conservation of a diversity of plants and their wild relatives. Meet at the entrance to Picnic Point. Leader: Eve Emshwiller (890-1170, emshwiller@wisc.edu).

**25 Bird and Nature Outing** (Sunday, 1:30–3:00 p.m.). See box.

## Bird and Nature Outings

Free, family friendly walks! Bring your binoculars and camera and explore the varied ecosystems and wildlife of the Preserve every 4th Sunday of the month from 1:30-3:00 p.m. Meet at UW parking lot 129 at the entrance to Picnic Point. Sponsored by the Friends of the Lakeshore Nature Preserve.



## CHANGES COMING TO UW PARKING LOTS 129 & 130

By Rhonda James, Senior Landscape Architect

Due to frequent flooding and to reduce conflicts between vehicles and Temin Lakeshore Path users, Lot 129 at Picnic Point will be eliminated. Lot 130 (the circle-shaped lot) has been redesigned and will be rebuilt to accommodate the lost parking. Improvements will include a new concrete loading/unloading pad for the 80 bus route, a crosswalk, and user-activated flashing lights to warn traffic of pedestrians. After Lot 130 is rebuilt, Lot 129 will be removed and planted with a mix of herbaceous plants, shrubs, and trees that are intended to re-naturalize the space. Bicycle parking will remain adjacent to the entrance to Picnic Point. Currently the two lots can accommodate up to 101 cars. The new Lot 130 will accommodate 98 cars with four dedicated accessible stalls. Construction is expected to take place from June through September, 2019. Lot 129 will stay open until the new Lot 130 is complete to assure parking is available at the entry to Picnic Point throughout construction.

Friends of the Lakeshore Nature Preserve

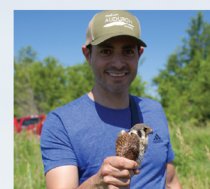
## 18<sup>TH</sup> ANNUAL MEETING

Tuesday, April 9 — 7:00 p.m.

UW Arboretum Visitor Center



### SPECIAL PRESENTATION



#### GUEST SPEAKER

**Matt Reetz**

Executive Director,  
Madison Audubon Society

#### PRESENTS

The incredible lives  
of migratory birds

*Join us at 6:30 p.m. for refreshments  
and socializing. The public is welcome.  
Please bring a friend.*

Friends of the  
Lakeshore Nature Preserve

[www.FriendsLakeshorePreserve.com](http://www.FriendsLakeshorePreserve.com)



## Lakeshore Nature Preserve Staff

Gary Brown, Director

[gary.brown@wisc.edu](mailto:gary.brown@wisc.edu)

Laura Wyatt, Program Manager

[laura.wyatt@wisc.edu](mailto:laura.wyatt@wisc.edu)

Bryn Scriver, Volunteer and Outreach Coordinator

[bryn.scriver@wisc.edu](mailto:bryn.scriver@wisc.edu)

Adam Gundlach, Field Projects Coordinator

[adam.gundlach@wisc.edu](mailto:adam.gundlach@wisc.edu)

*For announcements, photos, and information on  
the Lakeshore Nature Preserve, please find us on  
Facebook and follow us on Twitter  
and **NOW INSTAGRAM!***



[facebook.com/lakeshore.nature.preserve](https://facebook.com/lakeshore.nature.preserve)

[twitter.com/uwpreserve](https://twitter.com/uwpreserve)

[instagram.com/uwpreserve](https://instagram.com/uwpreserve)



**Facilities Planning  
& Management**

UNIVERSITY OF WISCONSIN-MADISON

**Lakeshore  
NATURE PRESERVE**

UNIVERSITY OF WISCONSIN