



# Preserve!

FRIENDS OF THE LAKESHORE NATURE PRESERVE

SPRING 2022

KEYNOTE TALK AT ANNUAL MEETING, APRIL 6, 2022

## Voices and Values of Teejop (Four Lakes): A Hoocąk (Ho-Chunk, Winnebago) Perspective

Janice Rice, Lecturer, UW-Madison Information School



Janice Rice, Lecturer, UW-Madison Information School, is a Ho-Chunk Nation tribal member. She received a bachelor's degree in education, with a concentration in American Indian Studies, from UW-Milwaukee. She earned an MLA in library science from UW-Madison, and an MLS Specialist in Indian Librarianship. She has worked to promote American Indian education, history, librarianship, civil rights, intellectual freedom and heritage preservation.

Janice is a Clan Mother for Ho-Chunk Nation, Social Services and a board member of both the Ho-Chunk Nation Museum and Cultural Center and Little Eagle Arts Foundation. She has served on Wisconsin Historical Society's Board of Curators and is a recipient of the Women of Color in Education Awards from UW-Madison and the UW-System. She remains active in historical research, art and museum projects and native language revitalization.

For too many years the voices of the Hoocąk people have been silenced. Janice Rice, Lecturer, UW-Madison Information School, has walked along the Teejop (Four Lakes) homelands and has been inspired by the beauty of the landscape. In her presentation, she weaves together her academic findings with the voices of her Hoocąk ancestors. Join with us as we learn about the breath of life, Niihara (Yahara) and the ways that Teejop's first people have brought richness of culture, history and art to the shores of our lakes and rivers. Learn about the waterways, lands and Hoocąk leaders who lived and prospered in their villages of Teejop and southern Wisconsin. Many of their descendants have returned and continue to prosper in these ancestral homelands.

She will speak about the enduring values and Hoocąk teachings that have enabled her to navigate the academic world, urban citizenship and rural America. Throughout her educational experience, archival and library research, evidence has brought her back to her cultural roots. Contemporary regional and national American Indian issues have shed light upon common indigenous values and the ways of survival in America. These inter-connections of cultural resilience and heritage preservation are woven into the fabric of Hoocąk society.

Through a career of archival work and indigenous librarianship, her world embraces the shared values of Indian Nations across the country. The untold stories of the indigenous

people are many and varied; yet, there are so many similarities that bring our cultures together. This talk will engage those who have the curiosity and affinity for learning more about Teejop homelands. Hear how the voices and values of the Hoocąk continue to make worthy contributions to the collective heritage of our vibrant community.



Ho-chunk villages around Lake Mendota and Monona. Charles Brown Papers, Wisconsin Historical Society.



# It's an Anniversary Celebration!

## 20<sup>TH</sup> ANNUAL FRIENDS MEETING

Wednesday, April 6, 7:00 p.m.

In-person at the UW Arboretum or virtually via Zoom

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



Arlene Kozlowski

Join us in celebrating the Friends' Twentieth Annual Meeting Wednesday, April 6, 7 p.m., both in-person at the UW Arboretum or virtually via Zoom. Find the information about attending virtually on the Friends website closer to the meeting.

While the formal meeting begins at 7, please come in-person or

log-in virtually at 6:30 for socializing. Our distinguished speaker, Janice Rice, will talk about the voices and values of the Teejop (Four Lakes) region from a Hoocak perspective. Landscape Architect Rhonda James will also provide a short overview of the Preserve Master Plan, followed by an update from Preserve

Director, Gary Brown. We will recognize our retiring Friends board members and introduce our new board nominees. The event will be MC'd by the Friends' Annual Meeting Co-chairs Olympia Mathiaporanam and President Will Vuyk. Mark your calendars to celebrate the Friends' many diverse achievements.

### BOARD CANDIDATE BIOGRAPHIES

## Nominees to the Friends of the Lakeshore Nature Preserve Board

The Friends' nominating committee—Kelly Kearns (chair), Tom Bryan and Doris Dubielzig—recommends the following candidates. The board has endorsed this recommendation. Other candidates may be nominated by the membership at the annual meeting. All current members of the Friends of the Preserve present at the annual meeting (April 6, 2022) are eligible to vote. Board members are elected for three-year terms; two student board members are elected for one-year terms.



### REBA LUIKEN

Reba Luiken is the Director of Allen Centennial Garden and a lecturer in the Department of

Horticulture. She has a Ph.D. in History of Science, Technology and Medicine from the University of Minnesota where she studied the public programs of botanic gardens. As an undergraduate, she focused on both plant biology and religious studies, and she still favors moss and lichen as her favorite organisms. When she first arrived in Madison in 2021 with her family, they lived in Eagle Heights and loved to visit the Preserve each evening after dinner to walk along its forest paths and explore the Eagle Heights Community Garden. It's an amazing resource on foot or by stroller!

in 2018 and board member in 2019. She and her husband, Tom, retired to Madison from Manhattan, Kansas, where MJ was history faculty at Kansas State University. She also works with Gisela Kutzbach to create a Preserve phenology and history calendar each month, posted on the Friends website. Her publications include studies of pre and post settlement environments along the Mississippi and Rio Grande rivers. She loves working now with the interesting habitats of the Lakeshore Nature Preserve and the Friends.

### Farewell to Distinguished Board Members

Because of various commitments – graduate school, vet school, family, academic research – the Friends board is regretfully saying goodbye to five hard-working members. See them honored at the annual meeting on April 6:

- Eve Emshwiller
- Dane Gallagher
- Seth McGee
- Olympia Mathiaporanam
- Paul Noeldner



### MJ MORGAN

A nominee for a second board term, MJ is newsletter editor and nature writer, contributing articles on opossums, cecropia moths and the Class of 1918 Marsh history. She joined the Friends as a volunteer



### DIANA TAPIA RAMON

Diana Tapia Ramon is a recent UW-Madison graduate who triple majored in conservation biology, geography and environmental studies. She is working as the High Impact Practice Facilitator at Biocore and enjoys how she can work with

students not only in the classroom but sometimes at the Biocore Prairie. During her free time, she is learning Norwegian and has started rock climbing. Since moving to Madison in 2016, Diana has embraced the uniqueness of the Lakeshore Nature Preserve. It was here that she spotted her first-ever bald eagle and discovered her interest in bird watching. Diana is looking forward to becoming more involved in the Preserve and along the way, meeting members of the Friends community.



### COLE ROECKER

A southeastern Wisconsin native, Cole is entering his final year at UW-Madison as a student of history, English and French. He fuses his interest in the natural world and his scholarly subjects in the form of "environmental humanities" - both historical and literary. Cole also enjoys birdwatching and ornithology, having first discovered his passion for birds in high school and then establishing the Audubon Society at UW-Madison in

2020. He intends to write a senior thesis on birds, Wisconsin and history in his senior year. Find him in the library or at the Preserve to talk birds, conservation, history, books or anything in between! Cole looks forward to joining the Friends this year and contributing to their great work.



### JOSH SULMAN

Josh grew up in Madison and earned his B.S. and M.S. in Botany from UW-Madison. As a high school senior in 1998, he conducted a plant inventory of Eagle Heights Woods which later led to a career studying and managing forests, prairies and wetlands across Wisconsin. Josh has been an environmental scientist at Stantec since 2013. He lives in Madison with his wife and twin sons.



### WILL VUYK

Graduating this spring from UW-Madison with degrees in biology and history, Will is looking

forward to a third term on the board where he recently accepted the challenging position of Friends President. The Lakeshore Nature Preserve has been an integral part of his time in Madison, feeding a love of urban natural spaces that started when he was growing up near Milwaukee. Will has enjoyed writing for the newsletter, hosting his first two in-person field trips this fall and facilitating events like "It's In Our Nature" poetry open mic and the Friends Annual Meeting. Will also has a personal interest in reptiles and amphibians and hopes to continue learning about the Preserve's elusive snake populations in his research.



### TOM ZINNEN

Tom was raised along the banks of the Rock River, a few days' paddle downstream from Lake Mendota. Many campuses have hills and quads and a few have lakes, but no other campus is so defined and uplifted by its lake and habitat. The lakeshore, always open, always beckoning, is a welcoming public space. That's important to Tom because, as an Extension Specialist at the Biotech Center and with Wisconsin 4-H, he believes we as university scholars must welcome visitors—learners and explorers of all ages. "The lakeshore is like our backdoor: it's where our friends come in." Tom first came to UW-Madison in 1982 as a doctoral student in plant pathology and then returned in 1991 to work for the Biotech Center and for Cooperative Extension (as it was called then). In 2000-01 he was AAAS Congressional Science Fellow on the staff of the House Committee on Agriculture; in 2008-10 he was on loan to the National Science Foundation. He always returned to Madison. For over 12,000 years the attraction to this vital place has been in the combination of its people and its lakes. Tom intends to help continue those traditions.

## We Remember Lil

Friends near and far are saddened by the passing of Lillian Tong, who in her time as a Friends board member brought us striking initiatives. Committed to inclusion, diversity and outreach, Lil expanded our horizons. Projects she chaired or worked on include the Friends table at the South Madison Community Fair, "It's In Our Nature" Open Mic Poetry Slam, board member nominations and many hours of volunteering in the Preserve. Lil was a seeker. Even in her last months, she was trying out opossum yarn in knitting wristlets and helping the Friends with a field trip microphone project. She loved education, opening new worlds to learners, and no one was more welcoming to first-time field trip participants.

If Lil were your mentor on a Friends field trip, you were lucky. And the Friends have been so lucky in having Lil around the board table... serving four years and leaving us strengthened and connected.



*Lil working in the Preserve, Feb., 2020*



FINANCES AND ACTIVITIES

# Connecting and Caring: Friends Prevail Through Another Pandemic Year

Will Vuyk, president

In many ways, 2021 was tougher than we expected. In April almost a year ago, we lost our president and friend, Steve Sentoff. We are grateful for having been able to learn from his leadership and share in his passion for the Preserve during his too short time with the Friends. Others have lost loved ones and faced tragedy in different ways over the past year. Our condolences and best wishes to all those who are still healing.

Nevertheless, the Friends have continued to make good on our mission to inspire people to connect to and care for the Lakeshore Nature Preserve. In February, an eager group of poets from all levels of experience connected over their shared poetry at the Friends' second annual "It's In Our Nature" Poetry Open Mic. You can listen to some of their pieces posted under March, 2021 on the "People and Events" page of our website. In April, UW professor Emily Arthur delivered a brilliant talk about her work at the interface of art and science for our 2021 Annual Meeting. Over the summer, the Friends maintained the purple martin boxes and bluebird houses by the Biocore Prairie, funded another class of Prairie Partner Interns and worked with the Clean Lakes Alliance to monitor

water quality in University Bay. This is on top of two issues of the PRESERVE! newsletter and field trips (currently in-person!) coordinated every month by the indefatigable Field Trip Committee.

The Friends also helped the Preserve staff with their projects, caring for the Preserve through direct volunteer work and financial support. In addition to invasive species removal, the planting of native species and funds targeted specifically for restoration work, the Friends donated \$30,000 to help pay for the Lakeshore Nature Preserve Master Plan. You can learn more about this exciting development on the Lakeshore Nature Preserve website; please reach out to both the Friends and [campus.planning@fpm.wisc.edu](mailto:campus.planning@fpm.wisc.edu) with your comments and questions.

At the end of that rollercoaster of a year, despite its strangeness and sorrow, our income was up over 25%, testament to how important the Friends organization is for members during these difficult times. Thanks to all of you for your generosity. Let us continue to inspire connection to and care for the Preserve - and each other - in 2022. Forward!

# 2021 Annual Financial Report

Steve Sellwood, treasurer

<b>BEGINNING BALANCE</b>	<b>\$109,036</b>
<b>Income</b>	<b>\$27,133</b>
Memberships	\$23,078
Donations (non-members)	\$1,400
Gifts in Honor or Memorial	\$2,600
Dividends and interest	\$55
<b>Expenses</b>	<b>-\$51,087</b>
Gift to UW Preserve for Master Plan	-\$30,000
Prairie Partners Summer Interns	-\$7,446
Gift to UW Preserve for Restoration Work	-\$6,000
Gift to UW Preserve Stewardship Fund	-\$4,000
Newsletter and Website	-\$1,458
Special Projects and Citizen Science	-\$789
Postage and PO Box	-\$702
Insurance	-\$450
Annual Meeting	-\$175
Other Expenses	-\$67
<b>ENDING BALANCE</b>	<b>\$85,082</b>

I WANT TO MAKE A DIFFERENCE by joining or making an additional gift.

## Friends of the Lakeshore Nature Preserve

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

- I'd like to VOLUNTEER— please send me information by email.
- I'd like to GO PAPERLESS and receive my newsletter by email.
- I'd like to give a GIFT MEMBERSHIP. Name and address:

Please mail this completed form and your check payable to:

**Friends of the Lakeshore Nature Preserve**  
P.O. Box 5534  
Madison, WI 53705

Or complete the form and **pay online** at [www.friendslakeshorepreserve.com](http://www.friendslakeshorepreserve.com)

- Join
- Renew
- Addl. Gift

### MEMBERSHIP & GIFTS

- Student..... \$10
- Individual..... \$20
- Family ..... \$35
- Prairie Friends..... \$50
- Wetland Friends..... \$100
- Woodland Friends .... \$250
- Other ..... \$\_\_\_\_\_

Friends of the Lakeshore Nature Preserve is a tax-exempt 501(c)(3) non-profit organization.

## Spring/summer field trips

2022

Glenda Denniston

## April

**10 UW Science Expeditions in the Lakeshore Nature Preserve**  
(Sunday, 1:00 to 2:30 p.m.)

Meet the geology, trees and birds of Picnic Point at the Friends of the Lakeshore Nature Preserve's three exploration stations. Explore the dramatic rock wall, identify trees without leaves and view the early birds on University Bay. We'll have binoculars and a spotting scope available. Children can engage in related activities at each station. For more information about the event, see [www.science.wisc.edu/science-expeditions/](http://www.science.wisc.edu/science-expeditions/). Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Coordinator: **Doris Dubielzig** ([dbdubielzig@gmail.com](mailto:dbdubielzig@gmail.com))

**16 Beyond Backyard Birding at the UW-Madison Lakeshore Nature Preserve**  
(Saturday, 7:30 to 9:30 a.m.)

This morning trip is especially for backyard birders looking to grow their skills! We will explore the Picnic Point area of the Lakeshore Nature Preserve. Come to have your bird questions answered and find help identifying those small, streaky brown birds and distant ducks. We'll also look for any exciting spring migrants. The walk will be on even trails at a leisurely pace, so bring the whole family! We will have binoculars for loan. This walk is co-sponsored with Madison Audubon. This trip is limited to twenty people and advance registration is required at <https://madisonaudubon.org/all-events/2022/4/16/beyond-backyard-birding>. Meet at UW Parking Lot 130, 2003 University Bay Drive. Leaders: **Ashley Olah** ([ahannah@wisc.edu](mailto:ahannah@wisc.edu), 608-515-1304) and **Jenn Schneiderman**.

**24 BIRD AND NATURE ADVENTURE: Wildflower Walk in Bill's Woods**  
(Sunday, 1:30–3:00 p.m.)

On this family-friendly hike, explore the first Friends' restoration project, begun in 2001. We

**NOTE:** At this time, field trips are being scheduled as in-person. However, UW policy may change. The Lakeshore Nature Preserve follows UW mandates, and these may require registration to limit numbers, masking, or even re-scheduling due to policy decisions. PLEASE CHECK the Friends website for up-to-date information about a field trip you may be interested in.

will look for spring ephemerals and other tender new growth. Learn how to identify wood phlox, violet, bloodroot, Jacob's ladder, wild strawberry and other wildflowers. Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Leaders: **Glenda Denniston** ([glendadenniston8@gmail.com](mailto:glendadenniston8@gmail.com), 608-231-1530) and **Eve Emshwiller** ([eaemsh2@gmail.com](mailto:eaemsh2@gmail.com)).

## May

**1 Spring Birding in the UW-Madison Lakeshore Nature Preserve**  
(Sunday, 7:30–10:30 a.m.)

Look for spring migrants, including early warblers, vireos, thrushes and orioles, as well as resident birds in this Important Bird Area. Learn how the Lakeshore Nature Preserve serves as critical stopover habitat for migrating birds, and how, in bad weather, Picnic Point can produce spectacular collections of fallout migrants. Bring binoculars and a field guide if you have them; Madison Audubon will also have a few binoculars to loan. Co-sponsored with Madison Audubon Society; advance registration is required at [madisonaudubon.org/all-events/2022/5/1/spring-birding-lakeshore](https://madisonaudubon.org/all-events/2022/5/1/spring-birding-lakeshore). Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Leaders: **Roma Lenehan** ([rlenehan@charter.net](mailto:rlenehan@charter.net), 608-238-5406) and **Becky Abel** ([babel@madisonaudubon.org](mailto:babel@madisonaudubon.org)).

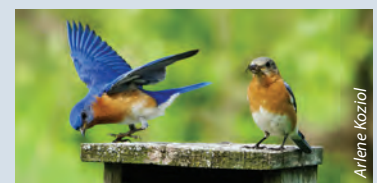
**11 Warblers of Frautschi Point**  
(Wednesday, 7:30–9:30 a.m.)

We will focus on seeing warblers through leafy foliage and look for other spring migrants. Bring binoculars and a field guide if you have them. Meet at the

Frautschi Point parking lot, 2662 Lake Mendota Drive. Leader: **Roma Lenehan** ([rlenehan@charter.net](mailto:rlenehan@charter.net), 608-238-5406).

**22 BIRD AND NATURE ADVENTURE: Martins and Bluebirds**  
(Sunday, 1:30–3:00 p.m.)

The purple martin house and the bluebird trail at the Biocore Prairie were installed by the Friends to entice these birds to nest in the Preserve. Field trip leaders will describe the appearance, habits and nesting behaviors of purple martins and bluebirds. Leaders will also describe the Friends' efforts to protect birds from their enemies. Hopefully you'll get a peek at

**4<sup>th</sup> SUNDAYS  
BIRD AND NATURE  
ADVENTURES**

Arlene Kozial

**4<sup>th</sup> Sunday of the month, 1:30–3:00 p.m.**—The Friends co-sponsor bird and nature adventures in the Preserve with the Friends of Urban Nature and the Madison Audubon Society. Visit <https://www.friendslakeshorepreserve.com/> for details. Meet at the Picnic Point kiosk, across from UW Lot 130 (2003 University Bay Drive). Contact: **Paul Noeldner** (608-698-0104, [paul\\_noeldner@hotmail.com](mailto:paul_noeldner@hotmail.com)).

## SAVE THE DATES!

Join our enthusiastic volunteers as we pull garlic mustard and plant spring wildflowers. At this time, we have dates but no locations yet. Please check the Friends website closer to these days.



### GARLIC MUSTARD PULL

SATURDAY, APRIL 30, 1-3:30 P.M.  
RAIN DATE: SUNDAY, MAY 1, 1-3:30 P.M.



### SPRING PLANTING

SATURDAY, MAY 21, 9-11:30 A.M.  
RAIN DATE: SUNDAY, MAY 22, 9-11:30 A.M.

## DAY OF THE BADGER MATCHING GIFT OPPORTUNITY

APRIL 5-6, 2022

Be sure to visit [www.dayofthebadger.org](http://www.dayofthebadger.org) on April 5 through April 6 to learn how you can support the Lakeshore Nature Preserve. **The Friends will match the first \$4000 in gifts to support ecological restoration efforts in the Lakeshore Nature Preserve.**

### WINTER 2022 LAKESHORE NATURE PRESERVE E-NEWSLETTER

Check out the Winter 2022 Lakeshore Nature Preserve E-Newsletter at <https://lakeshorepreserve.wisc.edu/read-the-preserve-e-newsletter/> to learn how six undergraduate students worked in the Lakeshore Nature Preserve in 2021. Read their individual stories.

some baby birds, too. Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Leaders: **Jeff Koziol** ([jeffkoziol@gmail.com](mailto:jeffkoziol@gmail.com), 847-331-2430) and **Richard Ness** ([Richard.s.ness@wisc.edu](mailto:Richard.s.ness@wisc.edu)).

## June

### 12 **Invasive Plants of the Preserve** (Sunday, 9:00-11:00 a.m.)

Whether you've spent hours battling invasive plants or they are new to you, join Anne Pearce (Invasive Species Outreach Specialist at UW-Madison) to learn about common and (so far) less common invasive plants in the Preserve. Bring your questions and learn how you can reduce the impact of invasive plants in your own yard and beyond. Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Leader: **Anne Pearce** ([anne.pearce@wisc.edu](mailto:anne.pearce@wisc.edu)).

### 15 **Lake Mendota Boat Trip** (Wednesday, 9:00-11:30 a.m.)

Raindate: June 17

Learn about Lake Mendota and the shoreline of the Lakeshore Nature Preserve from a different perspective aboard LIMNOS2, the UW Center for Limnology's research vessel for teaching, research and outreach. Group size is limited to 12; reserve your place early for this popular field trip. Meet at Hasler Limnology Laboratory one block west of Memorial Union. Register with Leader **John Magnuson** ([john.magnuson@wisc.edu](mailto:john.magnuson@wisc.edu)).

### 26 **BIRD AND NATURE ADVENTURE: Preserving the Preserve** (Sunday, 1:30-3 p.m.)

Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Join UW Preserve staff as they showcase ongoing ecological restoration projects and give an update on the Preserve Master plan—all while enjoying the trails, sights and sounds

of the Preserve in summer. Leaders: **Preserve Staff** (Coordinator [bryn.scriver@wisc.edu](mailto:bryn.scriver@wisc.edu)).

## July

### 10 **Bees and Other Native Pollinators** (Sunday, 9:00 to 11:00 a.m.)

Join us in searching for bumble bees and other pollinators while learning about their diversity, behaviors and habitat needs. Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Leader: **Susan Carpenter** ([susan.carpenter@wisc.edu](mailto:susan.carpenter@wisc.edu), 608-886-7504).

### 24 **BIRD AND NATURE ADVENTURE: Class of 1918 Marsh**

(Sunday, 1:30 to 3:00)

Take a hike around the marsh to learn the history and biology of this wetland. John Magnuson will discuss the threats to the marsh from invasive cattail species and from chloride concentrations, drawing on his own research. Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Leader: **John Magnuson** ([john.magnuson@wisc.edu](mailto:john.magnuson@wisc.edu)).

## August

### 21 **Insect Superpowers in Japanese Culture and Ecological Systems** (Sunday, 1:30 to 3:30 p.m.)

Explore how insects are revered in Japanese culture as we also learn about their superpowers in ecological systems, including food and waste systems! Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Leader: **Marjorie Rhine** ([rhinem@uw.edu](mailto:rhinem@uw.edu)).

### 28 **BIRD AND NATURE ADVENTURE: UW Student Organic Farm: Introducing a New Student- Focused Cooperative** (Sunday, 1:30-3:00 p.m.)

Learn about the new agricultural cooperative on the UW-Madison campus. The UW Organic Collaborative, FH King, GreenHouse Community, WunkSheek and UW Housing Dining and Culinary Services have joined to manage collaboratively a one-acre teaching, learning and production farm in the Preserve. Meet at the Picnic Point entrance kiosk, 2000 University Bay Drive. Leaders: **Tom Bryan and friends** ([tbryan@wisc.edu](mailto:tbryan@wisc.edu), 608-738-5733).



## Thanks to our Many Volunteers—*Together* We Care for the Preserve

A special thank you to our many volunteers. The Friends Garlic Mustard Pull and Wildflower Planting took place in May, with volunteers still wearing masks and keeping social distance.

Preserve Stewards Glenda Denniston and Roma Lenehan put in hundreds of hours in the Preserve to remove invasives throughout the season. We remember Steve Sentoff who teamed up with Preserve Steward Glenn Teschendorf to cut buckthorn.

Our citizen science projects volunteers successfully completed weekly monitoring of the Biocore Bluebird Trail, the purple martin house and lake water quality at University Bay.

In August, the Friends' impressive field trip offerings transitioned from self-guided or virtual field trips developed



Measuring the cottonwood tree along the marsh at Picnic Point, Dec. 26, 2021.

for every month back to our much awaited in-person field trips. The fourth Sunday nature adventures were popular as ever, as were field trips on fungi, trees and insect superpowers in Japanese pop culture.

In addition, volunteers worked countless hours on organizational tasks, committees and board activities that continued during the pandemic. All in all, fifty individual members volunteered this past year, making the Friends the vibrant non-profit organization it is.

Please consider these volunteer opportunities—you will enjoy working with and meeting other Friends:

- **Citizen Science:** the bluebird trail or purple martins, Lake Mendota water quality
- **Friends committee work** in education, communication, membership or outreach
- Contributions to the **newsletter, blog** and **website**
- **Field work**, such as removal of invasives or planting wildflowers
- **Preserve Steward**, with a minimum of eighty hours/year and under supervision of Preserve staff

**Email us at [PreserveFriends@gmail.com](mailto:PreserveFriends@gmail.com).**

*Our thanks also go to the Preserve staff: Bryn Scriver, coordinator of volunteer events in the Preserve; Adam Gundlach, field projects coordinator and supervisor of the summer interns; Laura Wyatt, Preserve program manager; and Gary Brown, Preserve director.*

### FIELD AND PROJECT (CITIZEN SCIENCE) VOLUNTEERS

Laura Berger	Grace Hasler	Olympia	Anne Pearce
Ann Burgess	Chuck Henrikson	Mathiapananam	John Pfender
Matt Chotlos	Signe Holtz	Nicole Miller	Anna Pidgeon
Maggi Christianson	Kelly Kearns	MJ Morgan	Marjorie Rhine
Glenda Denniston	Arlene Koziol	Tom Morgan	Steve Sentoff
Doris Dubielzig	Jeff Koziol	Genevieve	Susan Slapnick
Peter Fisher	Gisela Kutzbach	Murtaugh	Glen Teschendorf
Pam Fornell	Roma Lenehan	Karen Nakasone	Will Vuyk
Cyndy Galloway	David Liebl	Richard Ness	
Galen Hasler	Seth McGee	Paul Noeldner	

### FIELD TRIP (VIRTUAL & IN-PERSON)

Nancy Breden	Doris Dubielzig	Gisela Kutzbach	Ashley Olah
Kristin Brunk	Eve Emshwiller	Roma Lenehan	Paul Quinlan
Tom Bryan	Dane Gallagher	John Magnuson	Marjorie Rhine
Robin Chapman	Chuck Henrikson	Olympia	Marie Trest
Glenda Denniston	Kelly Kearns	Mathiapananam	Will Vuyk
		Paul Noeldner	

### ORGANIZATIONAL VOLUNTEERS

Nancy Breden	Dane Gallagher	Olympia	Marcia Schmidt
Tom Bryan	Signe Holtz	Mathiapananam	Steve Sellwood
Matt Chotlos	Kelly Kearns	MJ Morgan	Steve Sentoff
Sarah Congdon	Gisela Kutzbach	Paul Noeldner	Lillian Tong
Doris Dubielzig	Roma Lenehan	Anne Pearce	Will Vuyk
Eve Emshwiller	Seth McGee	Paul Quinlan	

THE MANY VARIABLES OF CLIMATE ALTERATION

# Preserving Change in the Lakeshore Nature Preserve

Will Vuyk

**TO CHANGE:**

*to make (something) different, alter or modify*

**TO PRESERVE:**

*to maintain (something) in its original or existing state*

Since the founding of the Friends in 2001, much has changed; we are living in a profoundly different world than we were then. Yet, when I step into the woods, I can glimpse again the wonder of my childhood self two decades ago, arms stretched wide around the rings of an ancient oak. Nature can sometimes seem to stand still. Yet all the same, past the blur of nostalgia, Nature is constantly changing. Even in a place now called the Lakeshore Nature Preserve, change is inevitable.

Using data collected since 1950, the Wisconsin Initiative on Climate Change Impacts has tracked temperature and precipitation trends across the state. The results show that Dane County has become warmer and wetter over the past seven decades. Projecting current rates of climate change out to 2080, the offspring of Second Oak may find themselves in a climate like present-day Lansing, in eastern Kansas, according to a model

from the University of Maryland. Though outside of our local control, climate shifts add to a mix of natural, social and political factors in the wider world that contribute to the dynamism of urban wild spaces. When considering the effects of climate change on the Preserve since the founding of the Friends, it is no longer a question of *if* but a question of *how*.

Given the interconnectedness of natural systems, parsing the impact of climate from other forces acting on the Preserve is difficult. Yet it is impossible to rule out. Preserve Steward Roma Lenehan, in addition to years of observations, has conducted two breeding bird studies within the Preserve between 2000 and 2002 and 2013 and 2015. She has noted diverging trends, with the Preserve both gaining and losing species of breeding birds. The continued success of Seventies-era conservation programs can help explain the rise in turkey, crane and bird of prey activity in the Preserve,



Adam Gundlach at a prescribed burn.



Steward Roma Lenehan with just some of the bags of garlic mustard!



Adam Gundlach planting native wildflowers, shrubs and forbs.



Steward Glenda Denniston working amid Virginia bluebells.



and the steady ecological decline of the Class of 1918 Marsh is a likely contributor to the loss of some wetland species. It is striking, however, that all four of the breeding bird populations lost to the Preserve since 2001 – the sora, Virginia rail, red-headed woodpecker and Eastern screech owl – have been predicted by Audubon climate change models to lose suitable habitat in the Madison area. Some of that habitat is being affected by a longer growing season, which in turn creates a ripple effect among species long-evolved to a shorter season.

Furthermore, white-tailed deer were rarely seen in the Preserve in 2009 when Field Projects Coordinator Adam Gundlach was hired. Just this past summer he found new fawns, confirming a breeding population. Since 2009, the estimated number of deer in the state has almost doubled due to a number of changing social, political, and ecological factors. While Wisconsin has seen lower hunter turnout in recent years and has kept its wolf population under tight control, deer also benefit from the milder winters of a warming Wisconsin climate.

Yet another factor compounding climate disruptions, introduced species have repeatedly altered the ecology of the Preserve since 2001. Emerald ash borer, along with outbreaks of Dutch elm disease and oak wilt, has changed the composition of the Preserve's forests. Jumping worms have invaded our soils, and zebra mussels now filter the waters of Lake Mendota. Most recently, invasive golden oyster mushrooms have become part of the Preserve's systems of nutrient recycling. Introduced via global trade, these exotic organisms again reveal how complex, planet-wide systems can influence our local habitat. The management of woodlands and tree stands affected by disease, insects or competition forms a large part of the Preserve's staff response. Adam Gundlach makes adaptive decisions about removing trees or burning

## Did You Know....?

Roma Lenehan

Many birds of prey have staged a dramatic recovery, re-occupying former range and dramatically increasing since 1970, largely due to the banning of DDT. This insecticide caused eggshell thinning, preventing successful breeding. Cooper's hawk, formerly a threatened species, has adapted to urban living; now multiple pairs nest in the Preserve. Osprey and bald eagle, two endangered fish eaters, continue to expand their breeding range south and east and now nest in many counties in Wisconsin, including multiple locations on the Madison lakes. Neither of these fish eaters has nested in the Preserve, but they regularly hunt in the adjacent lake.

substory growth each year. Changes to the natural world can be just as overwhelming as changes to the human world because any walls we erect between the two are imaginary. We live in a single, multifaceted world.

*What have we, the Friends of the Lakeshore Nature Preserve, done for two decades to meet these shifts?* We have made change of our own, contributing both financially and physically to Preserve restoration projects. While we can't alone combat climate change or prevent the spread of invasive species in our globalized society, the work we do here with our hands in the dirt and our eyes on the future makes a difference. It reflects a deeper understanding of what we believe the Preserve should be – a living and adaptable place. It is the vivacity and dynamism of nature that make it so brilliantly confounding, that bring out the child in me whenever I step into the woods. We have helped Preserve staff keep invasive species

at bay and have had the privilege of watching the seeds of our hard work grow and blossom since 2001 - from fleeting understory wildflowers to the oaks that will stand witness to the fluctuations of centuries. We have made *change* for the better. The unique Lakeshore Nature Preserve is not a defined environment we can seal in a jar and leave on the shelf. Let us continue to aid Preserve staff with their adaptive management plan and continue to be responsive, the change the Preserve needs to stay resilient in this variable world.

*Special thanks to Preserve Stewards and Friends members Glenda Denniston and Roma Lenehan for sharing their extensive knowledge for this article. Thanks also to Preserve Field Projects Coordinator Adam Gundlach for answering my questions about his job addressing the ever-fluctuating Preserve every day.*



## Friends of the Lakeshore Nature Preserve

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Ideas and *Friends* announcements for our newsletter and website are welcome. If you'd prefer to go paperless and receive your newsletter electronically, please email us at [preserveFriends@gmail.com](mailto:preserveFriends@gmail.com)

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## The Tattered Cloak: A Survival Story

Tom Morgan

The mourning cloak butterfly (*Nymphalis antiopa*) is unusually long-lived. In the Lakeshore Nature Preserve, it overwinters beneath loose tree bark, within a hollow log or a crevice in a rock. It flies on sunny days in late winter, gracefully using its three-inch wingspan with beautiful colors on the upper surfaces: velvety black with a row of wonderful bluish spots and a yellow border all along the outer, irregular edge of each wing. The mostly dark wings absorb warmth from the sunlight, and the muscles are capable of shivering without moving the wings until the temperature of the muscles rises as much as twenty degrees.

When the butterfly returns to a crevice, it enters its bedroom with wings folded above the back. The undersides of the wings are a rather dull shade of brown with pale, irregular edges that break the outline and provide camouflage. Now it's almost invisible. Safe from harm, the mourning cloak sleeps. The delicate antennae are

protected between the wings, and the somewhat brittle legs are drawn up close to the body.

The butterfly waits for the warmth of a new day. In early March, sap begins to flow again in some trees such as maples. Squirrels and other animals will break the bark on a twig or the trunk and lap up the sweet fluid. Sap flows are also favorite feeding locations for this butterfly.

When the new leaves of elm, birch, willow, cottonwood or hackberry are available, the female lays 200 eggs or more in a single group. Each caterpillar emerges by eating its way through the upper surface of the egg. The caterpillars stay together, sometimes causing noticeable damage to the tree's foliage.

The yellow-billed cuckoo is one of only a handful of birds that will eat this spiny caterpillar. If the caterpillar survives, it



Glenda Denniston

forms a chrysalis from which it emerges with wings which gradually dry and strengthen. As it flies up into the sky, birds tear at the patterned wings. Yet a mourning cloak can live ten months. Some will choose to enter torpor during the hottest weeks to avoid predators. Some may actually migrate south. Strong and muscular, the amazing mourning cloak butterfly is a winter survivor.

*Tom Morgan is a Friends member since 2018. Before retiring to Madison, he worked as an entomological researcher for the USDA in Manhattan, Kansas.*