

CELEBRATING GRATITUDE BENEATH THE LIGHT OF A FULL MOON

It was a lovely night with not a drop of rain in sight and the promise of May's Flower Moon visible to all as the sun set. The weather at the Knickerbocker Country Club was warm, with a nice cool breeze coming off of the grass-covered golf range. The tables were set and decorated beautifully, the silent auction tables held an assortment of items enticing people to take them home, and 97 guests came together to celebrate the Tenaflly Nature Center and show their gratitude of the organization, its staff and volunteers.



On May 15, 2022 the annual dinner was held, once again, completely outdoors. With the pandemic still on everyone's mind and COVID cases again on the rise, the nature center planned accordingly. The care taken to create an atmosphere that everyone could feel safe in allowed attendees to relax and enjoy a lovely evening where all could truly appreciate what the nature center does for the community and our environment.

After a wonderful dinner and a few

(Continued on page 11)

How To "CLAP" LIKE A BUTTERFLY



By Mia Montoya

With the progression of spring and the increasingly warmer weather, beautiful wild butterflies are appearing throughout Tenaflly Nature Center. While these colorful, winged creatures seem to be effortlessly flitting, a recent study discovered the science behind a butterfly's wings isn't as simple as we thought.

It was previously believed that a butterfly's wings were rigid and hit each other during flight, giving them the necessary lift for flight. After careful research by scientists in Sweden, it was discovered that a butterfly's wings instead are flexible and end up forming a cupped shape, giving them the ability to move forwards by propelling them through the air. This action, dubbed a "clap", is performed during the upstroke of their flight, and may be of the most use during takeoff, helping them to move their bodies quickly away from predators.

When researchers created mechanical wings with flexibility mimicking that of a butterfly, the energy efficiency increased by

(Continued on page 14)

VOLUNTEERISM ON THE RISE AT TNC

With almost 400 acres of forested land, nearly 30 Animal Ambassadors, and a set of facilities consisting of a Visitors' Center, two pavilions, a shed, a trail shelter, a composting restroom, a campfire ring, a butterfly house, and a pollinator garden, it's an enormous undertaking to provide a clean, safe and enjoyable experience for the over 20,000 visitors TNC receives annually.



Weeding, litter removal, clearing trails, and invasive species management are all some of the actions that TNC implements regularly to maintain the health of the preserve and provide a pleasant hiking experience. Our Animal Ambassadors require daily attention to their enclosures in the

form of cleaning and feeding, as well as enrichment opportunities to provide mental and physical

(Continued on page 10)

Thank You to All TNC Members & Supporters

Tenaflly Nature Center staff and board are extremely grateful for all our Members and Financial Supporters whose gifts assist us in ensuring our mission's success!

New and Returning Members

March 1, 2022 - May 24, 2022

Individual & Senior Members

Susan Summerbell Chval, Betty Costello, Alexis Estremera, Tania Gold, Cheryl Greenfield, Joseph Harrington, Rino Hongo, Kyoung W. Kim, Yong Kim, Nancy Mednick, Barbara Res, Karen Rhee, Mark Snyder, Karl Soehnlein, Judy Watkins, and Sabra Waxman

TNC for Two Members

Peter Bograd, Amanda Booth, Shaune Bornholdt, Kyle Branin, Soojin Choung, Joel H. Friedman, Michelle Gardiner, Carol Joliat, Erina Koguchi, Atireme Matos, Mitsuru Noguchi, Shelley Scheffler, Ellen Schwartz, Dong Seo, and Yoko Turner

Family Members

Carol Addison, Christine Amatucci, Jinah Azzolina, Maggie Bambach, Sabrina Bangalore, Carolina Beita-El, Stephanie Biedermann, Elizabeth Bouvier, Jonathan Bramley, Laura Breitenbach, Chris Bresnan, Josephine Buckner, Paul Buenafe, Steven Chan, Sandra Chance, Agnes Chang, Susan Cherniak Hyde, Ethel Choi, Roman Chomanczuk, Connie Chung, Emily Cohen-Moreira, Elisheva Cohn, Shana Conboy, Judy Concepcion, Jill Connolly, Deana Cuevas, Christina Dacosta, Dana Dasch-Goldberg, Darlene De Leon, Emily Deyring, Nora Dickey, Clare Ditrio, Laurelyn Douglas, Elizabeth Dronge, Belinda Dsouza, Leah Duncan, Karen Eck, Elliot Eizik, Stephanie Elstro, Adam Enbar, Kristen Erol, Elizabeth Falkenstern, Elizabeth Falkenstern, Joseph Feldman, Frank Filiatrault, Joanna

Fried, Wakako Fujita, Aaron Furtado, Joe Gerace, Chelsea Gleis, Chelsea Gleis, Rajat Gogri, Tsilil Golan, Nathali Gomez, Amy Goodwin, Ruosong Gu, Billie Hagen, Kathy Hahn, Emily Haines, Tim Hayden, Vanessa Hefa, Rebecca Holt-Fine, Anna Horton, Maya Hubert, Marci Ichimura, Marci Ichimura, Soyun Jee, Jamie Jhung, Julius Johnston, Diana Joy, Ikuko Kadohira, Masahiro Kaji, Sophie Kang, Priya Khanna, Ga Eun Kim, Jacqueline Kim, Lisa Kim, Seongeun Kim, Yumi Kim, Sandra Knoll, Berni And Jeffrey Koch, Ariel Kokas, Jason Korcak, Leona Kotlyar, Krystle Kougias, Elizabeth Kwack, Paula Lark, Elizabeth Lee, Euna Lee, Sunjoo Lee, Taekyoung Lee, Serena Lehman, Lisa Levchak, Shari Levine, Anat Levit, Paris Li, Wendy Lien, Fangju Lin, Lina Loaiza, Sarah Lohr Wyka, Daniel Luts, Einstein Machado, Jeanette Mackenzie, Jason Maier, Nittaya Manell, Emily Marchese, Stephanie Marshall, Amy Martin, Barbara Mattson, Stephanie Mauler, Jodi Mccord, Katherine Mccormack, Ana Mccough, Artem Melamed, Archana Menon, David Miller, Lara Mor Zilberstein, Daniel Morrissey, Bronte Murillo, Tara Naib, Tanja Nielsen, Marcus Odinec, Yalman Onaran, Agata Paes, Petya Page, Dorothy Pao, Jinyoung Park, Jashin Patel, Roshni Paul, Stephanie Pell, Shani Perlman, Sharon Phillips, Jake Pollack, Felicia Price, Jennifer Rakovsky, Abhishek Rathi, Abhishek Rathi, Emily Rehaut, Jamie Relis, Marilyn Reyes, Amir Richulsky, Lucy Riederer-Rudes, Walter Rogers, Daniel Rosenberg, Pinaki Roy, Isaac Rugg, Junichi Sakai, Kristina Satchell, Realf And Koryn Schermer, Sheryl Schermer,

Jennifer Schettino, Irina Serova, Sathish Seshadhri, Iris Sharon, Maria Shieh, Min Jeong Shin, Minjung Shin, Minjung Shin, Rene Shin, Shira Shoham, Emiley Smalley, Grace Song, April Spelbrink, Martin St Pierre, Geoffrey Steck, Jessica Steinhagen, Suzana Sternberg, Stacey Stetson, Christine Suh, Alexandra Swann, Julia Switzer, Ikuma Tabata, Alexandra Tal, Megan Tankard, Vanessa Tapia, Victoria Tarabokija, Nichole Temple, Tony Tommasi, Claudia Trapp, Mabel Tse, Ilana Tzur, Yevgenia Valit, Suzanne Van Der Feest, Pablo Vives, Irina Volynsky, Raina Wallens, Shan Wang, Katharina Warth, Angela Welch, Jeffrey Willner, Cecile Wollman, Ke Xu, Stamatis Xylas, Christine Yang, Susan Yau-Nelson, Naomi Zeliger, Aliya Zhunussova, Aliya Zhunussova, Letal Zidkony, and Jennifer Zuch

New and Returning Premium Members

Sustaining Members

Stacey Allen, Teresa and Ski Austin, Richard Baker, Bruce Balsam, R. Linsy Farris, Martin Frankel, Stacey Goldberg, Susannah Jacobi and Robert Hill, NHM Tanveer Hossain Khan, Mi Kyung Kim, Natalya Michaels, Diana Neidl, Demetrius Nonas, T.J. Quinn, Rita Rodin, Elana Rosenbluth, Steven and Barnette Savitz, Victoria Shima, Ziwei Song, Peter and Lori Starer, Reema Zahr, and Shamila Zawahir

Benefactor Members

Kathleen Cook

Patron Members

Ethan Abraham, Lori Rubin

Financial Supporters

March 1, 2022 - May 24, 2022

\$1-\$100 Donations Received

Amazon Smile Foundation,
iGive.com, Avishai Shoham, Karl
Soehnlein, Stop & Shop
Community Bag Program

\$101-\$500 Donations Received

Anonymous, JustGive, Sharon
Molinas and Yale Mitchel

\$1,000+ Donations Received

Mom's Organic Market, Alfred N.
Sanzari Family Foundation

Donation Received in Honor of

Sheryl Schermer in honor
Katherine Fritz, a teacher at Smith
Elementary School, for Teacher
Appreciation Week

Donations Received in Memory of

Priscilla Alexander

Whitney Keen in memory of Elaine
Laikin

Trash-a-thon Sponsors

Anonymous, Nydia Bonilla,
Brightview Senior Living Tenaflly,
Jennifer Calderon, Ramsey and
Louise Dabby-Harris, Rosaly
Macaulay, Julie OConnor, Soojin
Shin, and Shira Shoham

Also thanks to Subaru for
providing the Terracycle bins.

Animal Ambassador Sponsors

**2022 T. Baldwin Demarest Reading Program raised over \$5,900 to support
TNC's Animal Ambassadors.**

Avi Aarons, Alex Abramov, Karine Akopyan, Paul Alzapiedi, Erik Anderson, Sose Arabian, Simon Arabian, Blerim Arifi, Gerard Aro, Jamieson Asselta, Abdullah Aydogan, Andrew Badurina, Carlo Bartolomeo, Muthu Baskaran, Ashley Bernstein, Marci Blaszk, Kyle Brodbeck, Weiwei Cai, Mi Yong Kim Candullo, Yaofer Chen, Bartolome Chinnici, Dohyun Cho, Yongsang Cho, Jaekil Cho, Jeanine Chocho, Peter Choe, Dosun Choi, Yoon Choi, Theresa Chun, Cindy Chung, Ed And Bomin Chung, Lucas Chung, Christine Clarke, Rebecca Cohen, Nancy Cordero, Donna Costello, Dominique Damian, Michael Dandrea, Pamela De Cordova, Nicole J. Demartino, Christina Dyer, Anthony Elkhoury, Henry Fajardo, Jian Or Qi Fan, Rj Fang, James Feggelle, Drew Finley, Alan Flores, Reina Galang-Parayno, Brynn Gallo, Kevin Garrity, Erica Gibb, Stephanie Gjevukaj, Gabriela Gladman, Jonathan Goldstein, Michael Gracey, Anna Habel, Christine M Haley, Melissa Hammam, Julissa Hartmann, Kevin Healy, Lorraine Heimbuch, Eva Henney, Perri Hollander, Ki W. Hong, Catherine Houba, Connor Hur, Tae Ik Hwang, Kyu Hong Hwang, Jacho In Db, Eco Cleaners, Aasim Javed, Youngjin Jeon, Peter Jin, Ava John, Na Rae Kang, Jacqueline Kaufmann, Hoo Joon Kim, Jung Young Kim, Theodore Kim, Philip Kim, Sungah Kim, Brian Sang Kim, Theo Kim, Nai Kim, Susana Kim, Kimage Inc., Ki Bum Koh, Srikant Kondapaneni, Dohyung Kwon, Il Lyol Kwon, Gerald Lausin, Paul Leaks, Gary Leat, Sae Fy Lee, Jongchul Lee, Marisa Lee, Jongwon Lee, Sun Young Lee, Christiane S Lee, Sae Fy Lee, James Won Lee, Aidan Lee, Alexandra Lipov, Luann Lubrano, Philip Lucrezia, Carol Lyons, Youn Suk Ma, Craig Mahler, Harte S. Mahler, Zidaan Manji, Thomas Marchiano, Robert Marrero, Jenny Marti, Kev Massoyan, Varsenne Massoyan, Charles Maushardt, Christine Meberg, Michelle Milani, Juan Miranda, Derrick Moy, Ho Namgong, Kaajal Narang, Kelly Naughton, Cynthia L Naylis, Suzanne Nicosia, Hyein Noh, Sungeun Oh, Kurian Pallithazathu, Cheonil Park, Paren Patel, Peter Patrikios, Brendan Phillips, Aidiris C. Pocovnicu, Laki Pothos, Joseph Binu Pulickal, Marilena Puma, Maria Quinn-Shaw, Diana Ranu, Mark Ratto, Rajesh Ravindranathan, Laurence Ring, Maria Rocco, Alexis Rosado, Victoria Rosado, Craig Rosenfeld, Karen Rubinstein, Paige Sadaka, Simona Sanan, Linda Sandy, Christina Sekhri, Nitin K. Sekhri, Jungwoo Seo, Deep Sharma, Angeline Sheridan, Joanne Shin, Sirenk Shopping Llc, Kara Smithson, Sunghoon Sohn, Myungsik Sohn, Eun Son, Inkyu Song, Young Song, Matthew Stamatopoulos, Andrew Stern, Joseph Stibli, John Susino, Kokoe Tanaka-Suwan, Andrea Tesher, Nadezda Timokhova, Adam Troy, Urge Fitness Limited Liability Company, Lindsay A Valentine, Benu Varghese, Marcie Vradenburg, Ryan Weaver, Chrinstine Welfel, Bryan Welfel, Paul Yang, Sungsik Yang, Duk Yoo, Hailey Yoo, Linda Zacco, John Ziemba, and Douglas Evan Zimmerman

WAY TO GO STUDENTS AND KEEP ON READING!

Butterfly House Exhibit

**Do you love
being
surrounded
by the gentle
flutter of
colorful
wings?**



TNC is still in need of supporters
to help with the annual cost for
care and maintenance of this fun
and educational exhibit.

Please support and help ensure
this exhibit can continue!

**Many thanks to our
current supporters**

Mark Erdtmann, Jung Kim,
Olga Milanos, and Emily Yang

FOREST PRESCHOOL PHENOLOGY

Amanda Schuster

“How many animals do you think we’ve seen this year, Miss Amanda?” “Oh, wow! I’m not sure, but it must be a lot!”. This question is certainly on my mind during the course of a year in Forest Preschool. Our days are spent immersed in nature; we are outside over 95% of our program time, be it fall, winter or spring. As a group, we’ve been able to track different species we have encountered as well as the various phenomena marking the seasons, a process known as phenology. In the interest of keeping curiosity alive in our group, we always try to make sure to call attention to our finds so that others may enjoy what we’ve seen. Sometimes it may be a small caterpillar that others easily overlook, or don’t even recognize as a caterpillar. Other times it’s an impressive sight in the daytime, like a Barred Owl! In the absence

of organisms themselves, we may find evidence of passing animals in the form of scat or footprints, or seeds of plants such as the burrs of Sweet Gum or the samaras of Sugar Maple.



The day a Barred Owl joined us for class.

Some of the best tools in helping to identify our finds have been field guides. Forest Preschool has different field guides available in the Outdoor Classroom space, and students are welcome to peruse them with as much or as little input desired from their teacher. It’s hard to find fully comprehensive field guides on mushrooms or insects, and Seek (with its connection to

iNaturalist) has given us the ability to get real-time identification of first-time observations. The knowledge accumulated over the years by Forest Preschool educators also helps students to gain a familiarity that builds a sense of place.

Our list of positively identified observations is fairly impressive, and is always growing. This year’s group has been particularly interested in fungus and lichens, with at least 31 species observed! The ability of fungus fruiting bodies to appear overnight feels magical, and the fact that fungus doesn’t move quickly certainly helps us to make detailed observations. Fungi are observable in so many forms; the squishy Amber Jelly Fungus, the flaky Crowded Parchment, and the ever-so-touchable Common Puffball have been some favorite finds of

(Continued on page 9)

“CLAP” LIKE A BUTTERFLY CONTINUED

28% when compared to those of the laboratory created solid wings and were better at generating force.

Why the interest in the performance improvement? In a long history of human inventions influenced by the natural world, the study of butterfly wings may lead to improved flight technology.

In addition to their inspiration for technological advancement, butterflies are critical to our environment through their role as pollinators and as a major food source for other species. With insect species on the decline globally due to habitat loss, supporting these pollinators can start with efforts in your backyard and nature centers like TNC.

Landowners can plant flowers, shrubs, or trees to serve as host plants for caterpillars and nectar species that are of high value to butterflies. Popular species choices include Buttonbush, New Jersey Tea, sunflowers, violets, and of course, milkweed.



Photo by Richard Hurd

If you’d like to marvel at the wonders of butterfly flight, learn more about native host species, and enjoy the serenity of time surrounded by nature, join us at our Butterfly House this summer!

Butterfly-Attracting Plants for Your Backyard

- Golden Alexander
- Beebalm *aka* Bergamot
- Blue False Indigo
- White Turtlehead
- Dutchman’s Pipe Vine
- Blueberry
- Spicebush
- Flowering Dogwood
- American Holly
- American Pawpaw
- American Hackberry
- Eastern Red Cedar
- Wild Black Cherry
- Redbud



Summer Nature Day Camp

Many weeks are already full so register today!
Registration Now Available at TenafllyNC.org/Camp-Summer

June & July Summer Schedule

Grade Entering (September 2022)	Chipmunks Pre-K (4 years) & Kindergarten	Deer 1 st -2 nd Grade	Coyotes 3 rd -6 th Grade
June 27-July 1	Watch Out Weather!	Weather Weirdness	Stirring Up a Storm
July 5-8	World of Wildlife	Save Our Species	Empowering Future Naturalists
July 11-15	Creepy Crawly Critters	Wet and Wild	Cold Blooded Creatures
July 18-22	Homes & Habitats	Pondering Habitats	Natural Art
July 25-29	Superb Splendid Senses	Did You Hear That?	Powerful Plants

August & September Summer Schedule

Grade Entering (September 2022)	Chipmunks Pre-K (4 years) & Kindergarten	Snapping Turtles 1 st -4 th Grade	Hawks 5 th -7 th Grade
August 1-5	Forest of Four Seasons	The Feisty Forest	Wild Detectives
August 8-12	Survival of the Fittest	Adventure Seekers	Wilderness Adventures
August 15-19	Mammalrama	Our Green Planet	Our Blue Planet
August 22-26	Plentiful Plants	Nocturnal Animals	Stewards of the Earth
August 29-September 2	Look to the Sky	Fabulous Flyers	

New This Summer 8th Grade Jr. CIT Program

8th grade students can register for our Jr. CIT program! Part camper and part helper, Jr. CITs will be put with our youngest campers and assist the counselors. They will gain confidence, learn the ins and outs of working with children, and enjoy all of the same camp fun. We will accept two Jr. CITs for each week of Pre-K & K camp.



SCHOOL BREAK NATURE DAY CAMPS

Celebrate Fall Camp

Monday, September 26
Tuesday, September 27
Wednesday, October 5

Autumn Break Camp

Thursday, November 10
Friday, November 11

Camp Groups
Pre-K & K and 1st-6th grade



Half Day

9:00 am-12:30 pm or
12:00-3:00 pm

Full Day

9:00 am-3:00 pm

When school is out, kids can keep learning and have fun too! Children will explore Tenaflly Nature Center woods and trails, make crafts, share stories and play games while learning about the environment. Each camp enjoys seasonal activities allowing campers to come to every camp with a brand new experience!

Space is limited and **online pre-registration is required at** TenafllyNC.org/School-Break-Camp

Upcoming Adult & Family Programs

All programs require pre-registration for yourself and your “guests”

Visit TenafllyNC.org/Seasonal-Programs for complete information and to register

Seasonal Scavenger Hunt



2nd Weekend of the month

Saturday, June 11

Saturday, July 9 or

Sunday, July 10

Saturday, August 13 or

Sunday, August 14

Saturday, September 10 or

Sunday, September 11

Check in 1:00-2:00 pm at the Visitors' Center to receive clues
Scavenger Hunt may be completed at any time

Families will receive a set of clues to independently solve nature riddles along Tenaflly Nature Center trails, with each family working as a team as they hike to complete the hunt.

Full Moon Hike for Adults

Saturday, June 11, 8:00-10:00 pm

Friday, July 15, 8:00-10:00 pm

Friday, August 12, 7:30-9:30 pm

**Saturday, September 10,
7:00-9:00 pm**

Experience a guided 1½-2 hour walk (approximately 1½ miles) along the trails, on a night near the occurrence of a full moon. This peaceful hike encourages reflection and connections with nature allowing hikers to experience the trails after dark.

Nature Story Time



3rd Saturday of the month

**June 18, July 16, August 20,
September 17**

10:00-10:30 am

Families with children ages 3-7 will enjoy a nature-themed story and a visit from one of Tenaflly Nature Center's Animal Ambassadors. Learn about the animal and how they came to Tenaflly Nature Center. A new story and animal are featured each month. Animals may include snakes, frogs, turtles, owls or a hawk.

Father's Day Hike

Sunday, June 19

1:00-3:00 pm

Celebrate Father's Day with a guided walk outdoors. Whether you're an outdoor enthusiast or just

hoping to spend some quality time with Dad, a walk might be the perfect activity to celebrate this special family day.

Summer Solstice Campfire and Night Hike



Sunday, June 19

8:00-10:00 pm

Celebrate the longest day of the year and the official start of the summer with the Tenaflly Nature Center! A TNC Environmental Educator will lead participants on a night hike to experience the sounds of summer, followed by a campfire and s'mores.

Nature Day

Sunday, June 12

10:00 am-1:00 pm or 1:30-4:30 pm

Celebrate the start of summer at our Nature Day Celebration! Join TNC Environmental Educators and our friends from other nature-friendly organizations for a safe, outdoor day of family fun.

See TNC's amazing birds of prey, or slither on over to hang with a snake. Make nature art that Monet would be envious of or join the birds in filling the air with songs. Hit the trails for a scavenger hunt or join an Environmental Educator for a walk to learn about what our forest has to offer.

Guests can expect:

- Birds of prey presentations
- Nature arts and crafts
- Survival skills
- Puppet shows
- Animal encounters
- Scavenger hunts
- And more!



Dinosaur Dominion



**Saturday, June 25;
Saturday, July 23
2:00-3:00 pm**

Millions of years ago, dinosaurs roamed a very different North American continent. Join a TNC Environmental Educator as we journey through 100 million years of earth history, exploring ancient eras and incredible creatures, gaining insight into how the world and the dinosaurs themselves evolved. We may even discover the dinosaurs living among us today!

Forest Defenders



**2nd & 4th Sunday of the month
June 26; July 10, 24; August 14,
28; September 11, 25**

**2nd & 4th Wednesday of the month
June 8, 22; July 13, 27; August
10, 24; September 14, 28**

10:00 am-12:00 pm

The Tenaflly Nature Preserve is under invasion and we need your help! A variety of non-native plants have been encroaching into our forest causing harm to native plants and reducing our biodiversity. These various plants referred to as Invasive Species can cause myriad damage if left unchecked, from toxifying soil to shading out native plants. For the forest ecosystem to continue functioning, these invaders must be removed.

Help the Tenaflly Nature Center eradicate these pesky plants twice a month with the Forest Defenders! Defenders will learn to identify different invasive species and work with our Land Manager to implement various removal techniques.

Magic of Making: Cretaceous Creatures



**Sunday, June 26;
Sunday, July 24
2:00-3:00 pm**

Dinosaurs walk among us this season at TNC. From Microraptors to giant Tyrannosaurids, the world of the dinosaurs was just as biodiverse as the world we inhabit today. Join TNC educators to uncover the creatures of the Cretaceous and create dino artifacts of your own.

Crafty Critters



**1st Saturday of the month
July 2, August 6, September 3
2:00-3:00 pm**

Meet a live animal and explore your creative and crafty side! After an up close visit with one of Tenaflly Nature Center's Animal Ambassadors where we learn all about what makes them unique, we'll utilize our imaginations and create an artistic version of our new animal friend. A perfect activity for adults and children who enjoy their artistic side!

Guided Nature Walk

**1st Sunday of the month
July 3, August 7, September 4
1:00-2:00 pm**

Enjoy the season with a guided walk along one of Tenaflly Nature Center's trails with an Environmental Educator. Whether a first time visitor or a regular on the trails, participants will enjoy different sensory experiences in the forest each month.

Knee High Naturalists

Summer: 6 sessions



**Mondays, July 11, 18, 25;
August 1, 8, 15**

Rain Dates: August 22, 29

**Caterpillars (1.5-3 years old)
10-10:45 am**

**Butterflies (3-5 years old)
11:00-11:45 am**

Autumn: 10 sessions



**Mondays, October 3, 10, 17, 24,
31; November 7, 14, 21, 28;
December 5**

or

**Tuesdays, October 4, 11, 18,
25; November 1, 8, 15, 22, 29;
December 7**

**Caterpillars (1.5-3 years old)
9:30-10:15 am**

**Butterflies (3-5 years old)
10:30-11:15 am**

Young children, **1.5-5 years old, with an adult**, will explore the natural world through a series of topics lead by an Environmental Educator. Each week has a different focus emphasizing working together through discovery stations, songs and journeys outside.

Sail the Hudson River on the Clearwater

**Co-sponsored by:
Association of NJ Environmental Commissions and Tenaflly Nature Center**

**Friday-Sunday
July 15, 16, 17**

Join TNC and ANJEC this summer and enjoy a relaxing sailing trip aboard a local historic tall ship. Departing from the Alpine Boat Basin, each themed sail will let participants experience the beauty of the river while enjoying NJ's history, art, music, and, of course, nature! Passengers will view the majestic Palisades and city skyline as they listen to informative presentations. Children's sails contain activities that are tailored to ensure youth enjoy each voyage of discovery while learning more about the Hudson ecological systems.

The Sloop Clearwater is recognized as America's Environmental Flagship. As one of the first in the United States to conduct science-based environmental education aboard a sailing ship, this program has created the template for environmental education programs around the world. More than half a million people have experienced their first real look at the Hudson River's estuarine ecosystem aboard the Clearwater. In 2004, the Sloop Clearwater was named to the National Register of Historic Places for its groundbreaking role in the environmental movement. TNC offers themed trips focusing on NJ's history, art, music, and of course, nature! Passengers will view the majestic Palisades and city skyline as they listen to informative presentations.

Children's Tideline Program

**Friday, July 15
10:00 am-1:00 pm**

Does not sail or go on the boat

Children will participate in hands-on, experiential learning through interactive stations including seining, fish study, aquatic macroinvertebrate study, and beachcombing. During the sail, enjoy themed music and get a chance to reflect on the river and its connection to our community.

Children's Sails

**Friday, July 15
4:00-7:00 pm**

**Saturday, July 16 and Sunday, July 17
10:00 am-1:00 pm**

Join us for a 3-hour sail trip aboard the famous Hudson River Clearwater to engage in hands-on learning as we learn about the river. Guests will help raise the sail, sing sea-shanties, haul up a trawling net to investigate river wildlife and rotate through interactive learning stations on the river's history, sailing physics and more!

Register Early—Space is Limited!

Brewery on the Boat

**Saturday, July 16
5:00-8:00 pm**

Enjoy a tasting of craft beers from local craft brewery, Brix City. Brix City Brewing is dedicated to bold styled beers that showcase intense flavor profiles and the highest quality ingredients.

Tavern Night on the River

**Sunday, July 17
2:00-5:00 pm**

Join Palisades Interstate Park Historian and Kearney House Curator, Eric Nelsen and tale spinner Thaddeus MacGregor as they introduce guests to the history of the area through reenactment, music and stories.



Nature Adventures Puppet Show



2nd Sunday of the month
July 10, August 14, September 11
10:00-10:30 am

Laugh, sing, and play with our puppet friends. Families with children ages 2-8 will enjoy this nature-themed puppet show. Learn about plants, animals, and all things outdoors. A new story is featured each month, themed around seasonal changes.

STEM Survivors



Saturday, July 16, August 13
2:00-3:30 pm

Join a Tenaflly Nature Center Environmental Educator for a harrowing survival adventure. Guests will work in teams to face a series of STEM and survival challenges. Build, learn, and explore in your mission to survive!

The Magic of Making: Fabricating for Fairies



Saturday, July 23 and
Sunday, August 28
12:00-1:30 pm

Fairies have come to Tenaflly Nature Center and now you can bring the magic home. Join a TNC Environmental Educator to explore the Fairy Trail and build fairy houses of your very own. Natural construction materials and a recycled milk carton base to be built onto will be provided. Guests are welcome to bring their own base for their fairy houses, as well as their own natural materials for construction.

Apple Cider Making



Sundays, September 11, 18, 25;
October 2, 9, 16, 23, 30
2:00-3:00 pm or 3:30-4:30 pm

Tenaflly Nature Center will provide the apples and the press, but we will need you to help provide the rest. Learn about the history of apple cultivation and cider making and experience one of the original ways of making fresh, crisp apple cider! Feel free to bring a few apples of your favorite cultivar; more apples means more cider!

Fall Equinox Night Hike and Campfire

Friday, September 23
6:30-8:30 pm

Celebrate the changing season at TNC with a night hike, followed by a toasty campfire with s'mores!

TNC Trails Challenge

Are you up for the
2022 Seasonal Challenge?



Become a Nature Center
Trailblazer!

For more information visit
[TenafllyNC.org/](https://TenafllyNC.org/Trails-Challenge)
[Trails-Challenge](https://TenafllyNC.org/Trails-Challenge)

FOREST PRESCHOOL CONT.



The caterpillar of a Skiff Moth
found by a student.

the year. Birds and plants are also common observations. We know to avoid Poison Ivy, especially in its hairy vine phase that persists through the winter, and are familiar with the thorny stem of Wineberry. Our favorite birds are the ones we have for our dress-up play: Blue Jay, American Goldfinch, Northern Cardinal, and woodpeckers.

While our observations are recorded, the group may not remember the name of every organism that we have seen together during our time in Forest Preschool. That's okay; it's not the underlying point or our time together. Many draw inspiration from Rachel Carson and her work with *Silent Spring*. Before we can get to that level, we must keep in mind the following from Carson's *Sense of Wonder*- "I sincerely believe that for the child, and for the parent seeking to guide him, it is not half so important to know as to feel... It is more important to pave the way for the child to want to know than to put him on a diet of facts he is not ready to assimilate". We may come away from experiences in nature not knowing the names or habits of every organism we encounter. We do take the time to marvel, enjoy the moment, and take what we will. These connections are at the heart of the Forest Preschool mission: to inspire a lifelong connection to nature through child-centered learning experiences in the outdoors.



VOLUNTEERISM ON THE RISE AT TNC

stimulation. With so many time-sensitive needs, TNC staff don't have enough hours in the day to attend to everything that needs to be done. The support and diligence of our wonderful volunteers is critical to helping our organization support the fundamentals of our mission.

During the beginning of the COVID-19 pandemic, our volunteer base was reduced almost to zero. After almost two years running with minimal volunteers, TNC is beginning to see an increase in the number of people looking to support us in the stewardship of our preserve and the care of our Animal Ambassadors.

Since January, our bi-weekly (every 2 weeks) Forest Defenders volunteer group has gained a head of steam. Many repeat families have joined our Land Manager in transforming an invasive-ridden section of the White Trail, removing plants such as Privet and Wineberry. This sustained opportunity has given families a chance to watch their effort take effect for the benefit of the forest. Many high school and college students have been essential in herbaceous invasive species removal, helping to rid the forest of these pesky plants like Garlic Mustard and Mile-a-Minute. Gardeners, aviary helpers, and office assistants have also been getting their hands dirty while

assisting us in our ongoing ecological and education-based efforts.

In addition, to our regular volunteers, we have also seen an increase in those willing to give their time to help us with individual events. At the 2022 Trash-a-thon, held on April 24, over 115 participants spent between 90 min. and 3 hours removing over 250 pounds of litter that had been discarded around Tenaflly.

WE ARE GRATEFUL FOR THE HELP PROVIDED BY THE FOLLOWING INDIVIDUALS THIS PAST SEASON

Henry Ahn-Cooper, Lisa Allen, Bruce Balsam, Julie Baidon, Charlie Berger, Melissa Bogursky, Eve Bolkin, Nydia Bonilla, Gigi Burns, Rory Brett, Jennifer Calderon, Amanda, Josh & Cody Capon, Craig Carvalho, Iseah Cheah, Frank Chen, Ryan Choi, Manuela Cocchis, Ramsey and Louise Dabby-Harris, Sierra Deangelo, Meredith Del Grosso, Olivia DeLosSantos, Richie Denicola, Everett and Annabelle Denniston, Ruth Deutsch, Laurelyn Douglas, Peter Emmi, Joie & Jamie Evar, Kira Fleischer, Marlyn Friedberg, Katherine Frink-Hamlett, Jordyn Gaitman, Rani Gershoni, Kasey Ginzburg, Valentina Gizzo, Susan Golden, Leslie Gottlieb, Mark Gottlieb, Elissa Gross, Biao He, John Imuan, Selah Jain, Roger Jennings, Sydney Josif, Ashlyn Kang, James Kelly, Zach Kim, Jada Kinney, Yoshie Konno, Kay Kubikisha, Poso Kubikisha, Abby Kushman, Kevin Kuznetzow, Devon Lai, Dan Lambert, Hyuk Lee, Kayla Lee, Nancy Lee, Samantha Lee, Shing Lee, Paul Lefkowitz, Sharon Levit, Claire Liao, Katelyn Liao, Derek Lim, Hayley Lim, Paul Lim, Laurie Ludmer, Jerry Luo, Rosaly Macaulay, Nelle Madej, Phyllis and Victor Merriam, Andrew Mikesch,



Sigal Miller, Neve Modlin, Jane Murphy, Julie O'Connor, Melanie Park, Arnav Patwardhan, Benjamin Persitz, Anne Picogna, Sienna Plutzer, Maria Ponzio, Tomas Porturas, Elaine Rho, Sheila Rizzo, Rita Rodin, Jessica Ruggiero, Jon Rustin, Elizabeth Sardaryan, Breiny Scheinert, Adar Serok, Ethan Shin, Soojin Shin, Shira Shoham, Emily Singer, Luis Soto, Michelle Soto, Shirley Soto, Elle & Kim Spadaccini, Yvette Tan, Neal Tandon, Nichole Temple, Agnes Tenyi, Wendi Thompson, Ananya Tibb, Peter Tilgner, Sophie Todd, Kaimana Voelkl, Jacqueline Vougiatzis, Lila Wellisch, Nini Wong, Emily Yang, Alex Yanowitz, Jordan Yanowitz, Joshua Yoon, and Naoufal Zouak

If you or someone you know is looking to engage with our wonderful forest please check TenafllyNC.org/volunteer-opportunities for on-going volunteer needs!

Teen Volunteers Needed



TNC is currently accepting Counselors in Training (CITs) for Summer 2022.

Being a CIT is a valuable experience for 9th-12th grade students who enjoy being outdoors and working with children.

To learn more and apply visit TenafllyNC.org/Counselors-in-Training



CELEBRATING GRATITUDE CONTINUED



Above: Peter Tilgner and Debora Davidson
Below: Magician, Scott Drukker and Bruce Balsam



short speeches from some of the TNC board members, honoree Peter Tilgner was bestowed the Founders' Award for Conservation.

For over 20 years, Peter Tilgner has volunteered weekly to help maintain the trails at Tenaflly Nature Center. Over the years he has spent thousands of hours teaching others how to care for our 7+ miles of trails and assisting our staff, Eagle Scouts and other volunteers through various storms that have caused damage to the preserve's bridges, boardwalks, and other outdoor elements. Additionally, Peter has also generously supported the nature center financially and in doing so has helped TNC's education programs flourish and grow. Next



Above: Alpine Mayor Paul Tomasko with Tenaflly Mayor Mark Zinna and Borough Council members with Debora Davidson and Peter Emmi
Below: Guests enjoying a lovely evening with TNC



time you're enjoying the trails here at TNC, thank Peter Tilgner!

After Peter received his well-deserved award, and to make it a fun evening outside, featured entertainer and NJ Magician, Scott Drukker (GREAT SCOTT!) performed a fun and colorful magic show featuring his Blue-and-gold Macaw.

This night would not have been possible without our attendees and supporters who believe in our mission.

Thanks also to our development manager, Brian Wilson, the hardworking Dinner Committee, and TNC's Board of Trustees for their ongoing dedication and support.

SPECIAL THANKS TO OUR SPONSORS

TITLE SPONSORS



DIAMOND SPONSOR

Gaurav and Elizabeth Seth

GOLD SPONSORS

Michael and Karen Neus

Emily Yang & Roger Chang



Zing



SILVER SPONSORS



Mom's Organic Market

Ira and Shelley Taub

**We very much appreciate
your support!**



TENAFLLY
Nature Center

A 501(c)3 non-profit,
member-supported organization

Executive Board

President	Peter Emmi
Vice President	Emily Yang
Vice President	Susan Golden
Treasurer	Bruce Balsam
Secretary	Hyuk Lee
Member-At-Large	Andrew Mikesch

Trustees

Marlyn Friedberg	Jon Rustin
Elaine Rho	Wendi Thompson
Rita Rodin	Nini Wong

Borough Council Liaison Lauren Dayton

Staff

Executive Director	Debora Davidson
Development Manager	Brian Wilson
Bookkeepers	Dara & Frank Falco
Grant Writer	Helene Bon
Land & Facilities Manager	Alex Braunstein
Education Program Manager	Jennifer LoDico
Field Trip & TNC to Go Manager	Anna Sills

Forest Preschool Director

Amanda Schuster

Scout & Public Program Coordinator

Cabell Neterer

Environmental Educators

Arsen Arustamyan	Jillian Henthorn
Sasha Boucher	Asai MasChang
Nick Cooper	Kristin McLellan
Patty Cruz	Mia Montoya
Kathleen Farley	Abby Rudin
Alejandro Gillespie	Rebecca Schuman
Phoebe Gruetter	Caroline Tuero

Visitor Center:	9:30 am-4:30 pm
Education Pavilion:	Closed to the public
Trails:	Open daily
	1-hour after sunrise
	until 1-hour prior to sunset

Learn more at TenafllyNC.org

MORT'S FIRST YEAR

Alex Braunstein

With the construction of the new aviary completed in 2021, TNC was able to expand our capacity of rescuing more raptors. Our first new addition was our Black Vulture, Mort! Originally found on a roadside in Texas, Mort spent time at a wildlife center near Lake Erie in NY, but eventually found his way to woods of Tenaflly on February 8th, 2021. Initially very shy and skittish, TNC caretakers knew it would be a long process to acclimate our new friend to life as an Animal Ambassador.

The first step of his journey was to



begin to build up a positive relationship and associations with staff. Using food as a motivator, staff began a technique called “drive-by mice”, wherein the staff walked past his enclosure, dropping a piece of food through the outside of the aviary and quickly walking away. This was continued until he would regularly eat in the presence of a staff member.

Next, staff began to feed him within his enclosure. Placing pieces of food at different spots around his aviary, a technique known as “baiting”, helped to continue and build upon interactions with the staff, strengthening positive association.

After a few more weeks, staff began moving to the end goal of “kenneling”, getting Mort to voluntarily enter his carrier. This was a slow process as it appeared as



though Mort had a fear of his carrier, possibly from a negative past interaction. With a lot of patience, staff were able to break Mort's fear of the carrier and began making progress. After several more months, Mort is finally entering his carrier under his free will! Mort is now very slowly being introduced as an Animal Ambassador, but being given ample time to get used to this change.

Since his arrival, Mort quickly became a visitor favorite due to beautiful appearance and penchant for sunning himself on sunny days!

