

Each quarter SoFo features eco-links, written by a member or friend of the Museum. If you wish to submit an article please contact us.

eco links

### SoFo's Bluebird Program by Joe Giunta, Bluebird Trail Monitor

The Eastern Bluebird was always my favorite bird. It has a beautiful blue back, a red breast and a white belly. A truly all-American bird. I remember seeing my first bluebird in early spring as a male came off the ground and the sun illuminated the striking blue on its back. Something like that you remember forever.



This bird, the state bird of New York, is a cavity-nesting bird with a very interesting nesting cycle. In early spring, the male escorts the female to numerous cavities and lets her pick out the one for nesting. Once the cavity—usually a bird box—is selected, the female builds a grass nest. Usually five eggs are laid and incubated by

Male Eastern Bluebird.

the female for 14-16 days. The nestlings all hatch on the same day.

The young remain in the cavity for 16-18 days, fed by both parents, and then they fledge. For the next two weeks, the fledglings are cared for by their parents. After another week or so, the bluebirds go for a second nesting. This time the female usually lays four eggs, and the incubating, nestling stage, and fledging are repeated. Sometimes the young from the first nesting help with feeding and



Nestlings in bluebird box. -Roads End Naturalist.

caring for the young of the second nesting. I have witnessed this, as it becomes a real family affair. In early autumn, the bluebirds usually migrate south to avoid the harsh winters that we sometimes get in the northeast. If the winters are not too severe, a few will overwinter feeding on fruits and berries that they find.

The cavity is the key to their success. Years ago, natural cavities were found in tree snags and the like, but for safety reasons, development, and other concerns, many snags were removed and the bluebird numbers decreased, due to the dearth of the snags, because they had no place to nest.

In the early 1990's, the South Fork Natural History Society/SoFo the founding name of the South Fork Natural History Museum recognized the need for bird boxes and established many bluebird trails on the east end of Long Island. The East Hampton Airport



Standing tree snag with cavities. These snags are of vital importance to the life history of many animals.

Being a trail monitor is not easy and at times can be very disappointing. Nestling failures, dead birds, and bird predators are all causes of great concern. The raccoon is a nighttime raider of unprotected boxes. The House Sparrow is a deadly competitor of bluebirds in areas where they are present.

had the best habitat, because a grassland with perching spots on the edges for the ground-feeding bluebird to find food, is the perfect location. They need at least six acres of this grassland habitat for success. They do not nest in the woods or in suburban backyards. They are grassland birds.

In the mid 1990's, I became a trail monitor for SoFo. I had a lot of experience with tree swallows, also a cavity-nesting bird, from my years of monitoring bird box trails at Floyd Bennett Field in Brooklyn and Breezy Point in Queens. Now I was going to monitor bluebirds on the east end of Long Island. In Amagansett, I established a trail at Quail Hill and took over a trail on Town Lane.



row is a deadly competi- *Example of a bluebird nest box trail, this one* tor of bluebirds in areas *at the East Hampton Airport.* 

The House Wren is another bluebird predator, taking over their boxes by destroying their eggs and then filling the cavity with sticks and making it unusable. In spite of all this, I was going to give it a try.

The raccoon problem was easy as I noticed none of the boxes had climbing predator guards. I installed them at my two trails. House Sparrows and House Wrens are an ongoing problem, but placing boxes in areas with no brush and staying away from horse farms, the main breeding grounds of house sparrows, has reduced predation. So I had some success. Not perfect but OK. I saw reports that the East Hampton Airport, with its trail of some 60 plus boxes, was hardly producing any bluebirds. It was now 2005 and, having recently retired, I had more time to spend on bluebirds. I took over all the trails, almost 200 boxes, and made some changes. All the boxes at the East Hampton Airport, South Fork Country Club, and Barcelona Neck Golf Course, as well as those on all trails were fitted with pole predator guards.

Trail boxes where there were house sparrows were removed. The results were slow but good and, over time, became great: 2005—38 bluebirds, 2008—78 bluebirds, 2011—90 and then 2012—143 bluebirds. An all-time record. Then came the disaster.



Nest box with predator guard.

birds and birds' eggs. They really don't fly, but glide from one spot to another.

Historically, they were never present on the South Fork, and their presence here is probably due to human relocation, because they could not have crossed the Shinnecock Canal on their own. Nothing else happened the rest



It started on July 3, 2011, and I didn't real-

ize it. I opened a bird box at the airport and

I'd never seen a flying squirrel before, and

I thought at the time, "Well, OK, I have a

found a flying squirrel inside.

squirrel in one box." Flying squirrels are a little larger than a chipmunk. They are nocturnal, arboreal creatures whose fa-

vorite foods, among

other things, include

of that year, and the bluebird numbers were excellent. The next year, 2012, was our best year ever. But on June 18, 2012, I found body parts of half-eaten bluebirds and the nesting material of a flying squirrel. I then found another two flying squirrels. I knew there was a growing problem. Over time, the number of nesting birds started to decrease. I then found flying squirrels outside the airport, on the other side of Daniel's Hole Road. Other areas of the airport now had flying squirrels and more half-eaten bluebirds. Flying squirrels were spreading, and I didn't know what to do. Our work on the trail at Abraham's Path, miles away, was destroyed, and flying squirrels were in the boxes. The trail of boxes at Shaarey Pardes Accabonac Grove Cemetery, again miles away, also had flying squirrels and was destroyed. Numbers went from 143 bluebirds in 2012 to nothing in 2015!

"We take negatives and change them into positives" is one of my favorite expressions. After considering possible solutions, I decided to move all the boxes at the airport 35 feet from the tree line. This would put the boxes out of reach of the flying squirrels. Thankfully, the airport manager gave us permission to do this. Remember, it is an airport and not a park, so we were very grateful that this could be done. We could not do it for all boxes, so about 20 boxes were



removed. Boxes could not be moved at the Abraham's Path and Shaarey Pardes Accabonac Grove Cemetery trails, so they were removed. By moving the boxes at the airport, we also reduced the number of house wrens, because free-standing boxes away from brush and trees are not suitable for them.

Pair of Eastern Bluebirds – Sandysphotos2009.

As we approach the end of the 2018 breeding season, the great news is that we have restored the breeding success of bluebirds and are closing in on a cumulative total of 1000 bluebirds fledged.

Joe Giunta is a birding instructor for the Brooklyn Botanic Garden, trip leader for New York City Audubon, lecturer for many Audubon local chapters, and owner of Happy Warblers LLC, a birding & educational travel company.



## Black Racers at SoFo

by Molly Vorhaus, SoFo Summer Intern

Sliding through the tall grass of Vineyard Field, the curious Black Racer looks for something small to eat—perhaps a vole, mole, or mouse—as part of his daily routine.



Northern Black Racer – Anne Devan–Song.

There are many snakes found on Long Island, all non-venomous, including an Eastern Garter Snake, Eastern Ribbon Snake, Eastern Hognose Snake, Northern Ringneck Snake, Eastern Worm Snake, Smooth Green Snake, Eastern Milk Snake, and Northern Black Racer. The mature Black Racer is slender, relatively large—60 inches in length—and smooth-scaled, often with some white coloration under the chin. The belly is generally uniformly dark gray or black. Black Racers are found throughout the eastern United States.

This summer, SoFo interns Jake Kushner, Miles Todaro, and Molly Vorhaus conducted a survey during the months of May and June to count how many Black Racers (Coluber constrictor) could be found in Vineyard Field, the old field habitat behind the museum. Every morning at 9am, they searched under the wooden boards, placed along the field's Loop Trail, and counted the number of snakes present. The purpose of this was to see if there was a correlation between the temperature and the presence of snakes underneath the boards. Black Racers often seek out burrows or coverings, such as these boards, as refuge during cooler weather. Because they surveyed early in the summer and early in the day, Kushner, Todaro, and Vorhaus found that cooler temperature during these times was most conducive to finding Black Racers, since the snakes were searching for warmth underneath the boards. They also found that they were more likely to see the snakes on a cloudy day. SoFo is particularly interested in the habits of Black Racers because these snakes are beneficial to our ecosystems on Long Island. Black Racers help control the small mammal population and maintain balance in the food web by playing the role of both predator and prey.

Black Racers are defensive instead of aggressive. If you and a Black Racer happen to come eye-to-eye when lifting up a board along the Loop Trail or going for a walk in the woods it is important to know that upon seeing you this snake will most likely just slither away. However, if cornered it may bite in defense. But keep in mind, these animals are important beings in our local (and global) ecosystems, we need not fear them, but rather respect and appreciate them. South Fork Natural History Museum (SoFo) Calendar At A Glance Autumn 2018

377 Bridgehampton/Sag Harbor Turnpike P.O. Box 455 Bridgehampton, NY 11932-0455 www.sofo.org email: sofo@hamptons.com

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A full description of each program is listed on the SoFo website: www.sofo.org/calendar

# October, November, October

Museum Admission & Program Information SoFo Members Admission to the Museum is free. Programs are free unless otherwise specified. Advance reservations are required for all programs. Non-Members Museum Admission Only – Adults \$10, Children \$7.50 (Ages 3-12),

Museum Admission Only – Adults \$10, Children \$7.50 (Ages 3-12), Ages 2 and under free Museum Admission and Program – Adults \$15, Children \$10 (Ages 3-12), Ages 2 and under free

Advance reservations are required for all programs.

To make reservations and find out about meeting places, please call SoFo at 631.537.9735

or email sofo@hamptons.com.

## SoFo's Holiday Charity Drive Is Going to the Dogs ... and Cats

The mission of the South Fork Natural History Museum is to help create a bond between the individual and the natural world. Frequently, a child's first introduction to an animal is through a pet dog or cat. We believe that this relationship is an important step in building empathy for all living things. For this reason, SoFo has decided to partner with the Animal Rescue Fund (ARF) and the Southampton Animal Shelter Foundation (SASF)—two local shelters that place rescued animals in forever homes—for our Holiday Charity Drive. From Thanksgiving through the winter holidays up to the New Year, you can drop off monetary contributions, gently used blankets, sheets, towels, and new dog and cat toys to be shared by the two organizations. These items will be delivered to ARF and SASF by January 5, 2019.

Below are pictures of the SoFo staff with their rescued forever friends.



SoFo Executive Director Frank Quevedo with Emerson adopted from ARF.



SoFo Environmental Educator Eleni Nikolopoulos with Kato & Kahlua adopted from SASF.



SoFo Environmental Educator Melanie Meade with Grayson adopted from a feral cat colony.



SoFo Membership & Development Associate Crystal Oakes with Fergie & Zoe adopted from SASF.



SoFo Environmental Educator Xylia Serafy with Twigs adopted from ARF.

Calendar At A Glance Key: A-Adults T-Teens C-Children F-Family AA-All Ages A full description of each program and time frame is listed on the SoFo website at www.sofo.org/calendar Advance reservations are required for all programs.

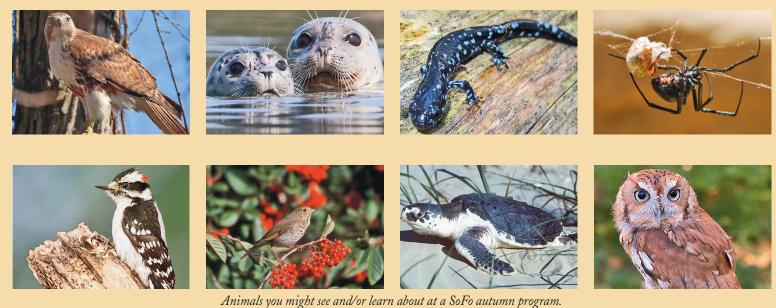
October	5	• Dark Energy & the Accelerating Universe—Lecture by Neelima Sehgal, Associate Professor, Department of Physics & Astronomy, Stony Broo University cosponsored by the Montauk Observatory: A/T •	Ph.D., <sup>k</sup> 7pm
	6	• Andy's Annual Salamander Log Rolling: F •	10am
	<b>6</b>	• Long Pond Greenbelt—20th Annual Family Celebration with FLPG: AA • 1	
	6	• Tickwise for Children: "Train Your Eyes to be Tickwise": F •	1pm
	7	Associate Professor of Geology Sean Tvelia—Geology Walk in Montauk: A/C8	
	7	• Nature Drawing for Children—Birds & How They Move: F/C6+•	
	13	• SoFo Cleans the Beach—Monthly Beach Cleanup: AA •	1pm 8am
	13		
		• Protecting our Sacred Land—Finding a Common Ground, A Convers with the Center for Humans & Nature & other Conservationists: A/T	
	14	Passerine Fall Migration Walk with Joe Giunta: A •	7:30am
	20	• SoFo's Young Birders Club Meeting: C8+ •	10am
	20	Animal Origami with Crystal, SoFo Environmental Educator: F/C6+	
	20	Atlantic Marine Conservation Society—Sea Turtle Stranding Training	
	21	Montauk Trail Hike with CCOM at Money Pond: F	10am
	21	• Feeding Time at the Museum with SoFo Environmental Educators: C3-5	
	21	• Feeding Time at the Museum with SoFo Environmental Educators: Co	
	24	• Full Hunter's Moon Hike at SoFo with Friends of the Long Pond Greenbel	
	27	• Nature Walk at Scallop Pond with Biologist Dr. Keith Serafy: F/C6+ •	10ām
	27	• Birding with Frank at Good Ground Park, Hampton Bays: A/C8+ •	10am
	27	• The Northern Long-eared Bat on Long Island—Talk by Ph.D. Candid Samantha Hoff: A/T •	
	28	• Come Draw with Us with Artist Muriel Appelbaum: A/T15+ •	10:30am
	28	Arachnid Tactics—How Spiders Catch their Prey: C6+	2pm
	29	• Wellness Foundation Potluck Dinner & Mindfulness Presentation: AA	<b>4• 6pm</b>
November	_	• Poxabogue County Park Nature Walk with Xylia, SoFo Environmental Educator: AA •	10am
	3	• Autumn Nature Storytime with Eleni, SoFo Environmental Educator:	
	3	• The Lost Rainforest of Crystal Mountain, Madagascar—Talk by Dr. Patri Wright, Primatologist, Anthropologist, & Conservationist: A/T •	icia 7pm
	4	• Late Fall Bird Migration at Promised Land, Amagansett, with Joe Giu	nta: A • 8am
	4	• Nature Drawing for Children—Insects & How They Move: F/C6+•	1pm
	10	• SoFo Cleans the Beach—Monthly Beach Cleanup: AA •	8am
	10	• Birding with Frank at Good Ground Park, Hampton Bays: A/C8+ •	10am
	10	OceansWide Remotely Operated Underwater Vehicle     Workshop Part I: C8+	10.00
	11		10:30am
		• OceansWide Remotely Operated Underwater Vehicle Workshop Part II: C8+ •	10:30am
	17	• Nature & Birdwatching Cruise Aboard the <i>R.V. Peconic</i> : A/C10+• 9:4	
	17	SoFo's Young Birders Club Meeting: C8+	10am
	17	• Let's Make an Eco-Friendly Bird Feeder: AA•	10:30am
	18	Come Draw with Us with Artist Muriel Appelbaum: A/T15+	10:30am
	18	• Mashomack Preserve Nature Walk with Miles, SoFo Environmental Educator: AA •	10:30am
	23	• Southampton Trails Preservation Society Annual Walk-It-Off Hike: A/T/C8+ •	10am
	23	• Full Frost Moon Hike at SoFo with Friends of the Long Pond Greenbelt: AA •	6pm
	23	• Owls by the Light of the Moon—Annual Foray with Joe Giunta: A •	7pm
	24		0am-4pm
		Shinnecock Blessing & Traditional Dancing • 11	am-Noon
	25	<ul> <li>Shinnecock Blessing &amp; Traditional Dancing</li> <li>Introducing SoFo's New Shark Exhibit</li> <li>Who Lives in a Tree?—Storytime with Melanie, SoFo Environmental Educator: C3-5</li> </ul>	1-4pm 10:30am

Calendar At A Glance

Key: A-Adults T-Teens C-Children F-Family AA-All Ages

A full description of each program and time frame is listed on the SoFo website at www.sofo.org/calendar Advance reservations are required for all programs.

December	1	<ul> <li>Over in a River—Story Time &amp; Craft with Xylia, SoFo Environmental Educator: C3-5</li> </ul>	10:30am
	1		10.50am 1pm
		• Nature & Art—Where do Amphibians go in Winter?: C8+•	_ #
	8	• SoFo Cleans the Beach—Monthly Beach Cleanup: AA •	8am
	8	• SoFo Members-Only Holiday Event: AA •	10am-4pm
	9	• Winter Beach Exploration with Miles, SoFo Environmental Educator: AA •	10:30am
	15	SoFo's Young Birders Club Meeting: C8+	10am
	15	• Decorate a Holiday Tree for the Birds: AA •	1pm
	15	• Searching for Seals— Winter Seal Walk with SoFo Environmental Educator: A/T/C6+ •	12:30pm
	16	• Nature Drawing for Children—Mammals & How They Move: F/Co	
	22	• Falconry—An Ancient, but not Forgotten Sport— Meet Falconer Chris Paparo & his Hawk, Emmy: A/T/C6+ •	10:30am
	22	• Nature Walk at Morton Wildlife Refuge with Xylia, SoFo Environm Educator: AA •	ental 10am
	22	• Full Cold Moon Hike at SoFo with Friends of the Long Pond Greenbelt	:AA•6-7pm
	23	• Owl Moon-Storytime with Melanie, SoFo Environmental Educator: C3-	
		28 • Winter School One Hour Recess Programs for Children of All Ag	
	20	20 • The Nature of Juggling & Animal Adaptations with Mile SoFo Environmental Educator	
		27 • Winter Birds of Vineyard Field with Xylia, SoFo Environme Educator	
		28 • Winter Weather with Eleni, SoFo Environmental Educat	or
	29	• Feeding Time at the Museum with SoFo Environmental Educators: C3-5 •	10:30am
	29	• Feeding Time at the Museum with SoFo Environmental Educators:	C6+• 2pm



Red-tailed Hawk - Mark Bohn of USFWS, Harbor Seal and Pup, Blue spotted Salamander - Greg Schechter, Black Widow - Miles Todaro Downy Woodpecker - Wolfgang Wander, Hermit Thrush, Kemp's Ridley Sea Turtle, Eastern Screech Owl - Greg Hume



## **South Fork Natural History**

## Museum & Nature Center

377 Bridgehampton Sag Harbor Turnpike
PO Box 455 · Bridgehampton · NY 11932
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The South Fork Natural History Museum & Nature Center (SoFo) is a 501(c)(3), non-profit, environmental education organization chartered by the New York State Department of Education. Your membership/donation is tax-deductible to the fullest extent allowed by law.

## SoFo's 29th Annual Summer Gala Benefit

Saturday, July 14, 2018

by Diana Aceti, Director of Development

We are happy to report that our 29th Annual Summer Gala Benefit honoring Courtney Ross, Founder of the Ross Institute, Ross School and the Ross Learning System; Don Church, President of Global Wildlife Conservation; and Russell Mittermeier, Chief Conservation Officer of Global Wildlife Conservation, was a huge success as we welcomed over 500 guests to benefit educational and environmental programming and initiatives at the Museum. SoFo sends a huge thank you to our wonderful Honorees; our Chairs Sammi and Scott Seltzer and Patsy and Jeff Tarr; and to our co-Hosts Leslie Clarke, Alex Guarnaschelli and Debra Halpert. We also salute our generous Alcohol Sponsors—Amagansett Wines and Spirits, Channing Daughters Winery, Doña Sarita Mezcal, Edinburgh Gin, and the Montauk Brewing Company; Bridgehampton Florists for its donation of beautiful flowers; and Hampton Coffee Company for donating the coffee.

Our VIP Cocktail Reception from 6–7 pm was a huge success, thanks to the delicious tasting menu created and presented by our featured chefs from The Bell and Anchor \* Calissa \* East Hampton Grill \* The Golden Pear \* Grand Banks \* Hayground School \* Ketcham's Seafarm \* Manna Restaurant \* Mecox Bay Dairy \* Montauk Shellfish Company \* Page At 63 Main \* Saaz Restaurant \* Southampton Social Club.

Our main reception included an Honoree Presentation, a buffet dinner catered by Elegant Affairs Catering, coffee provided by the wonderful Hampton Coffee Company truck, live and silent auctions, and dancing with the great Nancy Atlas and the Nancy Atlas Project Band, sponsored by Bill Miller and Associates.

Our live auction, presented by Guest Auctioneers Dr. Gerry Curatola and Ann Ligouri, featured a number of VIP experiences including a once-in-a-lifetime ten-day trip to Madagascar with Honoree Russ Mittermeier. Other auction winnings included an exclusive golf outing for four at the prestigious Maidstone Club; a NYC getaway with a two-night stay at the Bowery Hotel with two Broadway hit shows donated by the Nederlander Organization, dinner at Chef Alex Guarnaschelli's Butter Restaurant, and limo service donated by Hamptons VIP Ride; a two-and-a-half hour yacht trip donated by Charles Charters, with lunch and wine by Towne Cellars; and a private performance by Nancy Atlas and the Nancy Atlas Project Band.

We were happy to welcome new sponsors this year: Bai Antioxidant Infusion Drinks, Bridgehampton Florist, Danielle Hamptons, Davinci Haus USA—John Healey, Sotheby's International Realty, Decco by Party Up Productions, Edinburgh Gin, Hamptons VIP Ride, Hampton Coffee Company, J.A.Baczewski Monopolowa Vodka, Madoo Conservancy, and Summerhill Landscapes, who joined our noteworthy roster of auction donors; and Media Sponsors *Dan's Hamptons Media, East Hampton Star, Hamptons Magazine, The Independent Newspaper*, and the *Sag Harbor Express*.

SoFo was delighted to present these scholarships at the event: the 2018 SoFo Scholarship Award, made possible by a donation from BNB Bank, was awarded to Hanna Mirando. The 2018 Mulvihill Family Environmental Scholarship, made possible by Mary Mulvihill, was presented to Ava Kiss. The Blackmore Family Foundation presented its first annual high school merit scholarship to Catherine Spolarich.



Chairs Sammi & Scott Seltzer





Honoree Don Church, Andy Sabin, Honoree Courtney Ross, Kathy Qian, and Honoree Russell Mittermeier



Nejma Beard, Peter Beard, and Zara Beard All photos Rob Rich Societyallure.com



Peter Brown, Nancy Brown, Diana Aceti, and Chair Jeff Tarr



Mulhill Family Environmental Scholarship Award Recipient Ava Kiss, Mary Ann Mulvihill-Decker, and Andy Sabin



### SoFo WELCOMES DEBRA HALPERT TO THE BOARD OF DIRECTORS

We are very happy to welcome Debra Halpert, Branding/Marketing expert, motivational speaker, philanthropist, advisor, activist, and past publisher of *Hamptons Magazine*, to SoFo's Board of Directors. Debra, who has long been a great friend and supporter of our museum, is a wonderful addition to our Board. Debra has a great spirit, endless energy, and a genuine commitment to nature and to the environment.

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South Fork Natural History Museum (SoFo)

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