

BRANDYWINE

ZOO NEWS



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## On the Cover

To better coordinate Kestrel population sampling and conservation efforts, the American Kestrel Symposium was coordinated by the Brandywine Zoo, in partnership with the American Kestrel Partnership, with the focus of highlighting research by professionals and citizen scientists studying American Kestrels.



**Saturday and Sunday  
 March 11 & 12  
 10 AM-3:45 PM**

# SPRING

# ReZOOvenation

Put a **spring** in your step and **come outdoors** with family and friends to greet the animals during a **festive weekend** filled with **fun learning games**, crafts, and activities.

**BRANDYWINE ZOO**

*Go a little wild!*

Adult (18-61) \$5  
 Senior (62+) \$4  
 Youth (3-17) \$3  
 Youth (under 3) & Members Free.

The Brandywine Zoo is managed by the Delaware Division of Parks and Recreation with the support of the Delaware Zoological Society.



# Delaware Zoological Society Executive Director's Letter



Dear Members, Supporters & Friends,

It's the start of a new season at the Brandywine Zoo, and in many ways, the beginning of a new era. In January, we said goodbye to our Amur tiger, Zhanna, as she departed for a new life at the Bronx Zoo. Over the last 43 years, seven Amur tigers, all born in captivity, have lived at the Brandywine Zoo, including Luba, Mr. Ruf, Kublai Khan,

Kolya, Sergei, Ashley, and Zhanna. The zoo, its staff and the community have been incredibly fortunate to have had the opportunity to experience and learn about these majestic cats.

Zhanna was sent to the Bronx Zoo based on the recommendation from the Amur Tiger Species Survival Plan (SSP). SSP's use studbooks, which are like researching your genealogy on Ancestry.com, to track which animals are related. On her mother's side of the family, Zhanna comes from a long line of captive-bred Amur tigers. Her Great-Great-Great-grandfather was born in a zoo in the Soviet Union, before moving to the Berlin Tierpark in East Berlin. Zhanna's father, Khuntami, was orphaned

as a cub. His mother was killed by poachers in Sikhote-Alin International Biosphere Reserve in eastern Russia. His mother had been radio-collared by two American scientists studying tigers in reserve. Her two cubs, including Zhanna's father, were only a few weeks old and too young to survive in the wild. At the time, the Soviet Union was collapsing as the Communist government fell and unscrupulous people were taking advantage of the power vacuum to poach animals and timber from the reserve. Rather than let them die, the decision was made to bring them to zoos in the United States.

Zoo visitors are often unaware of the work that the Brandywine Zoo, the Delaware Zoological Society and other AZA accredited zoos support around the world. Currently, we are helping to fund a project, which aims to reduce Amur tiger poaching in the Russian far-east by closing old logging roads that poachers use to access Amur tiger habitat. These logging roads create easier access for people to illegally harvest lumber and poach tigers and their prey species.

The most frequent question that I have heard over the last few months has been, "When are you getting another tiger?" At this time, the zoo is not planning on replacing Zhanna. We hope that you continue to support us in this new era of the Brandywine Zoo.

Best regards,

Mike



## Leaving a Legacy

Your support of the Brandywine Zoo reflects what you value— animals, conservation and education. By planning a gift to the Brandywine Zoo through the Delaware Zoological Society (DZS), you can ensure that what brought joy to your life will be here for the future.

Planning a gift is simple and supports our mission for years to come. By leaving a legacy at the DZS, you will protect the animals and Zoo that you love.

Contact Mike Allen for details.

**302-571-7788, ext 206**



# Andean Condors: Together AGAIN!

By Laura Hovis, Lead Keeper and Janey Kramlik, LVT Lead Keeper/Veterinary Technician

## THE CHALLENGE:

As you may have read in past *Zoo News* issues, the Andean condors were cohabitating for over three years after two years of operant conditioning training to get them together. They did have occasional tiffs but they were generally benign. In November 2016, Chavin, our male condor gave Gryphus, our female condor, a moderately sized cut on her neck that only required a topical spray once a day for treatment. The birds were kept separate in order to allow her to heal without interference from Chavin. Condors can smell blood and our veterinarian did not want Chavin to be attracted to the wound and pick at it more. Due to their rocky start together, prior to their mostly peaceful cohabitation, the condor training team and zoo management discussed whether or not we would reunite the pair.

There is an Andean Condor Species Survival Plan (SSP) which manages the population of Andean condors in AZA accredited institutions. The Brandywine Zoo General Curator contacted the SSP coordinator. The long term goal of the breeding program, for the sake of their species, is to have EVERY Andean condor pair in the program breed. Gryphus is 37 years old and Chavin is 30 years old. Female Andean condors have been documented to breed as old as 41 years and males at 50 years. IF we chose to manage the birds separately, the SSP would eventually have us change one of the birds out for a different one, creating a new possible breeding pair. Given the options to start over again with a new pair or work with the pair we already have experience with, we chose to work with Gryphus and Chavin. They had lived together peacefully for years and we didn't want to give up on them over one minor incident. After all, what couple doesn't have a scuffle every now and again?

While the birds were separated, they still had access to each other through a chain link fence. We also continued to do cooperative feeding, where the birds are fed in close proximity to each other but a barrier is still in



place. This helps to teach the birds that they can still be near each other without anything negative happening.

## THE PLAN:

Step 1: Research more about Andean condor natural behaviors and devise a super beefed up enrichment calendar. Enrichment is an external stimulus given to an animal in order to optimize the animal's physiological and psychological well-being. These stimuli often are developed with the animal's natural behaviors in mind. Our calendar helps keepers to maintain a good variety of enrichment options and also helps ensure a minimum given to the condors each day.

Step 2: Come up with a time line of daily lengths of reintroductions. Every few days, as long as the condors did well, we would allow them more time together. This was all supervised by staff and recorded.

Step 3: Increase the frequency of formal training sessions with the condors to better gauge each condors' appetite and disposition.

Step 4: Further educate our coworkers from all zoo departments on natural behaviors of Andean condors. Andean condors naturally will exhibit some levels of aggression. They are very hardy birds and heal very quickly. We set parameters over what level of aggression we would allow before a separation would have to be put in place.

**Consideration:** The veterinarian would be present, as a safety precaution, on the first day of introduction.

## Ultimate Goals:

1. Condors will cohabitate on exhibit peacefully or without excessive conflict.
2. Condors will harmoniously share living quarters (in holding and exhibit) around the clock.
3. Condors will be able to be separated for short periods of time (3 hrs), three times per week and be able to be returned together peacefully.
4. Condors will successfully breed.

## THE RESULT:

After getting feedback from management and our zoo veterinarian, we started reintroductions. Things went so well that we were able to increase their time together faster than scheduled! We started with 15 minute intros and within 2 weeks they were able to stay out all day together. Some behaviors that were observed were that they utilized enrichment more than focusing on each other; Gryphus did not run from Chavin as she previously had so he was not as enticed to chase her, and they were able to eat in the same environment without any repercussions. She stood her ground more and he backed off. More calm behaviors such as preening and sunbathing were observed. While Chavin was seen displaying toward Gryphus, he did not pursue her as much as he previously had. There were only three incidences that resulted in very minor injuries and these were all cuts Gryphus inflicted on Chavin. While most people might think this is a bad thing, this was actually terrific as it showed Chavin to not mess with Miss Gryphus!

TODAY the condors are back together. They are allowed some time apart because who doesn't like to have some "me time" every once in a while?



**Take Advantage of  
Early Bird Pricing  
on Camps!**  
[brandywinezoo.org/camp](http://brandywinezoo.org/camp)



## DAY CAMPS

The Brandywine Zoo's Summer Camp program is designed to provide children the opportunity to spend the summer outside at the Zoo learning about animals, zoos, and wildlife conservation. This enriching and educational experience will be filled with Zoo visits, live animal presentations, crafts, games, stories, learning projects, and much more! More importantly each child will learn the importance of having fun in nature and making new friends! Our camps are geared towards children who are eager to learn, follow directions, and want to have fun.

[www.brandywinezoo.org/camp](http://www.brandywinezoo.org/camp)  
[education@brandywinezoo.org](mailto:education@brandywinezoo.org)  
or (302) 571-7850 ext. 209

### Full Day Camps

**Full Day Camp Time:** 9:00 a.m. to 3:30 p.m.  
Drop-off from 8:30 a.m. to 8:59 a.m.  
Pick-up from 3:30 p.m. to 4:00 p.m.

Aftercare is available from 4:00 p.m. – 5:00 p.m.  
Monday – Thursday, **no** aftercare available on Fridays.  
Aftercare Fee: \$50/week or \$15/day, available Monday through Thursday only.

**Mini Day Camp Time:** 9:00 a.m. to 11:30 a.m.  
Drop-off from 8:30 a.m. to 8:59 a.m.  
Pick-up from 11:30 a.m. to 12:00 p.m.  
Aftercare: Aftercare is available from 12:00 p.m. to 1:00 p.m. Monday through Friday.  
Campers will need to have a packed lunch if registered for Aftercare and will join our other campers for a 12:00 p.m. lunch.

## Animal Handling 101: A Training Course just for Teens! (Specialty Camp)

Camp Dates: June 19 – 23

Ages: 14 to 17

By popular demand, we've created a full week of animal handling experiences just for teens! Get ready for close-up encounters with some of our Animal Ambassadors, learn the facts, and practice perfecting your animal handling techniques. \*Campers who successfully complete this week of camp may elect to become a volunteer and continue the animal handling fun throughout the summer by providing animal encounters with our guests!

Please note that campers MUST provide proof of a negative TB test within the last year (365 days) from camp start date (June 19) upon registration.

# Anti-Bullying Program

By Hannah Pretz, Zoo School Coordinator

Nearly one out of every four students report being bullied at school due to their different looks, race, opinion, or body shape. Bullying can be physical, social, verbal or through cyber bullying. The Brandywine Zoo was shocked by these bullying statistics and created an Anti-Bullying School Program titled 'Safe Environments' to help raise awareness in our community. Safe Environments takes a new approach to anti-bullying prevention and helps children better understand each other using animals that are often misunderstood or feared. Many people have a fear of 'creepy-crawly' type animals, but these animals all have an important role in their ecosystems, such as garbage cleanup or pest control, and have some amazing adaptations to help them do their jobs! During this program, the Zoo is able to help children not only face their fears of some animals, but also see things from the animal's perspective while learning to respect individuals even if they don't understand them.

Some of the stars of the Safe Environments program include Fiona the rose hair tarantula, Biggie the cane toad, and Boris the blood python. Students get the chance to meet these critters up close and most realize that they aren't so scary! By helping children to connect to these misunderstood animals, we hope to bridge the gap and make the connections to their classmates. Participants leave with the understanding that being different from others isn't bad, not to judge a book by its cover, to work together to

find common ground, and to speak up for those without a voice. Through these messages, children learn responsibility, compassion, self-control, and integrity.

The Brandywine Zoo's Travelling Zoo program has visited schools, pre-schools, and daycares to teach our Anti-Bullying program to kids as young as 3 years old and up to 8th graders in Delaware, Pennsylvania, and New Jersey. The staff at the Brandywine Zoo enjoy going out and helping to create safe environments for their local community! If you are interested in learning more or wish to book an Education Program with the Brandywine Zoo, please email [education@brandywinezoo.org](mailto:education@brandywinezoo.org) or call us at 302- 571-7788 ext. 207.



## Birthday Parties @ the Zoo

Looking for a fun venue for your kid's party?  
We strive to make your party grrreat!  
Your party includes an animal encounter, pizza, drinks, party favors, plates, napkins and a gift for the birthday child!  
Call 302-571-7788 ext. 215 for more info or check out our website,  
[www.brandywinezoo.org](http://www.brandywinezoo.org).

# New WJBR Partnership

The Brandywine Zoo is proud to announce they have joined **99.5 WJBR** as an upstanding partner to the **No Bully Campaign** that is being launched this year. The Stand Out, Speak Up (SOS) campaign has a goal of implementing the No Bully Program in 10 Delaware Schools for the 2017-2018 school year.

Students representing their peers from 6<sup>th</sup> through 12<sup>th</sup> grade from all three counties have been selected for the creation of a Student Advisory Board insuring the success of the campaign by lending their leadership, voice and creativity on behalf

of their peers. Nicholas Carlisle, founder of No Bully, spoke at a kickoff event on January 31st at Carrcroft Elementary School along with Lt. Governor Bethany Hall-Long.

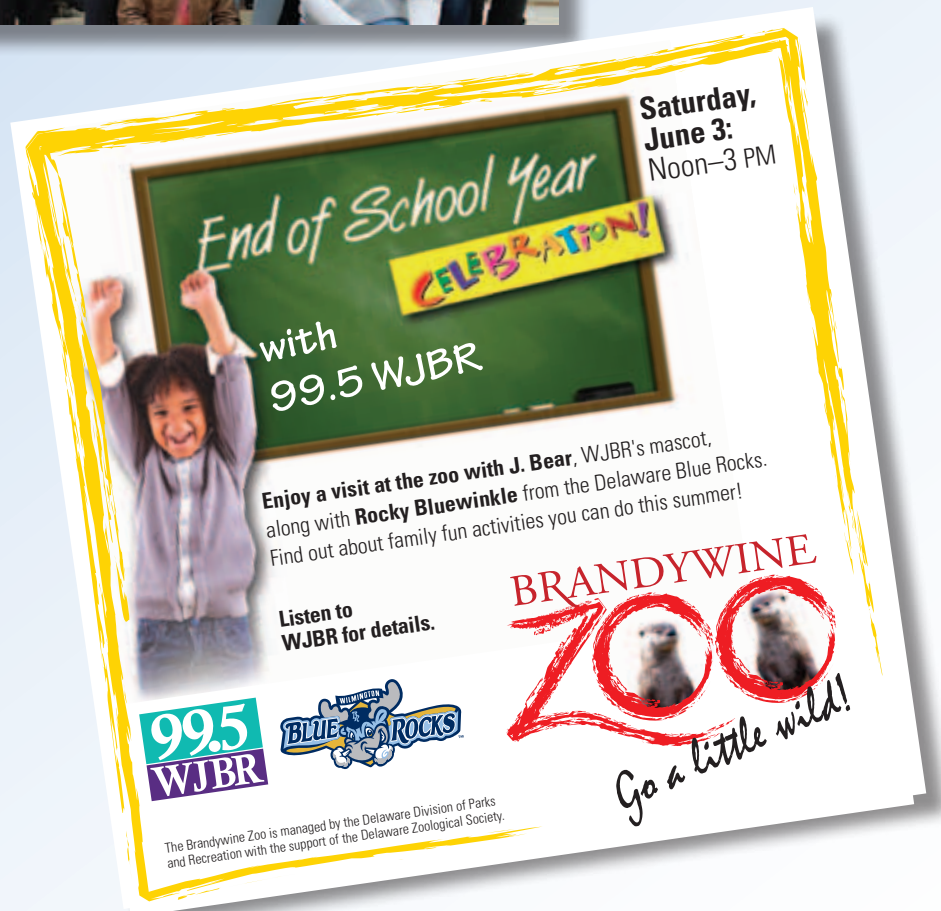
Other partners who have joined the effort to eradicate bullying in the State of Delaware include: **DEXSTA Federal Credit Union, Newark Country Club, Stellar Tutoring and Unique Impressions.**

If your business would like to join the up-standing partners, please contact Marta DeLisi ([marta.delisi@bbgi.com](mailto:marta.delisi@bbgi.com)).



## Standing from left to right

AJ Lurie, GM WJBR  
Earl Jaques, Chairman Education Committee (State Representative)  
Nicolas Carlisle, Founder No Bully  
John Sadowski, Education Associate DDOE  
Debra Heffernan, State Representative  
Lt. Governor, Bethany Hall-Long  
Mya Cherneski, Student Advisory Council Kent County  
Hannah Tippy, Student Advisory Council Kent County  
Frederika Jenner, President DSEA  
Zykyeria Nathan, Student Advisory Council Sussex County  
Catherine Cloutier, State Senator  
**In Front from left to right**  
Michael Bank, NEA Director DSEA  
Abigail Shapiro  
Keanna Williams, Student Advisory Council New Castle County



# American Kestrel Symposium

By Jacque Williamson, Curator of Education

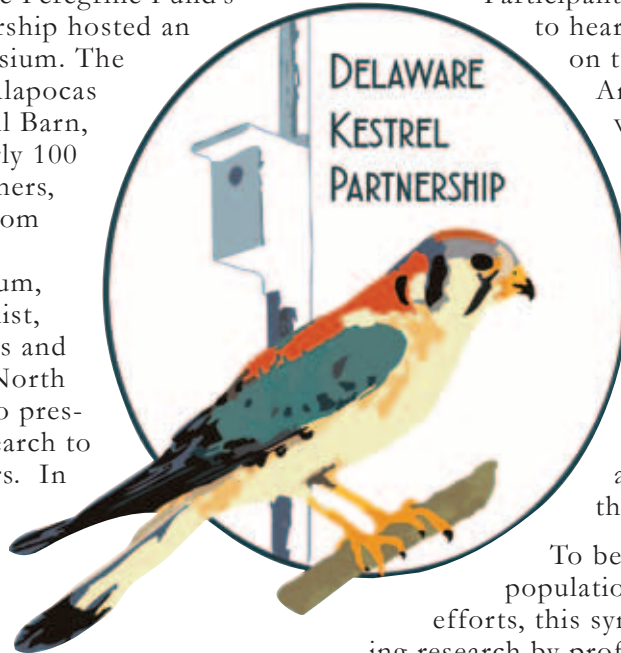
*Presented By: Brandywine Zoo's Delaware Kestrel Partnership and the American Kestrel Partnership*

Over the weekend of January 28 & 29, 2017, the Delaware Kestrel Partnership, a project of the Brandywine Zoo, and The Peregrine Fund's American Kestrel Partnership hosted an American Kestrel Symposium. The symposium was held at Alapocas Run State Park's Blue Ball Barn, and was attended by nearly 100 citizen scientists, researchers, and kestrel enthusiasts from around the country. During this two day symposium, researchers, conservationist, citizen scientists, students and academics from around North America came together to present and discuss their research to an audience of their peers. In total, twenty states, two Canadian provinces, and staff from at least five Fish and Wildlife/ Game Commissions were represented.

Additionally, attendees came from nature centers, parks, wildlife refuges, nonprofit organizations, zoos, government entities, birding organizations, and municipalities.

Participants at the symposium gathered to hear about new research focusing on the American Kestrel, North America's smallest and most wide-spread falcon. Though the American Kestrel is federally listed as a species of least concern, populations of American kestrels in the United States have been observed to be in significant decline since 1967. Four states list the American Kestrel as threatened, but only Delaware, which has seen a more than 88% decline, lists the species as state endangered.

To better coordinate kestrel population sampling and conservation efforts, this symposium focused on highlighting research by professionals and citizen scientists studying American kestrels.







Presenters at the symposium included keynote speaker Dr. John Smallwood from Montclair State University, plus speakers from USGS's Bird Banding Lab's, The American Kestrel Partnership, Hawk Mountain Sanctuary, Hawkwatch International, Cornell Lab of Ornithology, Boise State's Raptor

Research Center and many other renowned researchers and citizen scientists.

See [BrandywineZoo.org/Symposium](http://BrandywineZoo.org/Symposium) for full symposium Schedule and Abstracts.



# Red Panda Conservation

By Sharon Smith, Lead Animal Keeper

Education is one of the many reasons zoos are in existence, in order to help people learn about different species and what they can do to help. A personal encounter with an animal can get people invested in that animal's survival and conservation efforts. Pictures are great, videos are helpful, but actually seeing red pandas power waddle or use their agile paws to get an apple slice makes them real to visitors. The Brandywine Zoo has two female Red Pandas (Ailurus fulgens), Merry and Gansu, that are loved by all that visit.

The Red Panda Network was formed in 1997 to help save wild red pandas and preserve their habitat through the empowerment of local communities by community-based research, education, and carbon mitigation. Here are just a few ways your money can help The Red Panda Network help Red Pandas:



The Panchthar-Ilam-Taplejung (PIT) corridor in eastern Nepal is one of the most biologically-diverse areas in the world and has been recognized as an important area for global bio-diversity conservation. Establishing the PIT Red Panda Protected Forest will create an uninterrupted stretch of protected land for red pandas, as well as other threatened species including clouded leopards and Himalayan black bears.



**Stop Poaching & Red Panda Trade:** Red panda poaching and illegal trade is on the rise and threatens the future of this endangered species. Red Panda Network responded to this threat by establishing an anti-poaching network to patrol red panda habitat, remove traps and snares, educate locals on the importance of red panda conservation, and report poaching activity. Extreme poverty in the eastern Himalayas has left few income opportunities for the communities who share this region with red pandas. As a result, illegal wildlife trade has become a locally booming industry and this, along with a spike in the international demand for red pandas and their body parts, has left this species in peril.



**Eco-trips:** When you participate in a Red Panda Network eco-trip, you are directly supporting red panda conservation. Only local sources are hired for trips, including food, lodging, and nature guides. This directly supports local ecotourism and sustainable employment opportunities, which helps foster red panda and wildlife stewardship between Himalayan communities.

## Red Panda facts:



Red pandas are endangered, victims of deforestation. Their natural space is shrinking as forests are destroyed by logging and the spread of agriculture. Illegal pet trade is another threat to the red panda.



Pandas can live to be 22 years old. They can start showing symptoms of age at around 12 to 14 years old. Obviously, in the wild, their life span is a lot less.



In significant temperatures, pandas can become dormant, lowering their metabolic rate and raising it every few hours to wake up and look for food. This adaption has allowed them to spend almost as little energy as a sloth. Their diet is unusual for a mammal, consisting mostly of bamboo -- they only eat the newest, tender shoots and leaves. Here at the Zoo, they receive bamboo, some fruit, and "chewy biscuits" which consist of ground up biscuits, bamboo, grapes, and apple pieces.



Red pandas have a large range that extends from western Nepal to northern Myanmar. The species also lives throughout mountainous areas of southwestern China (Yunnan, Sichuan and Xizang provinces) at elevations between 4,900 and 13,000 feet. They only live in temperate forests in the foothills of the Himalayas.



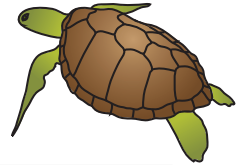
For more on how you can help, visit [www.redpandanetwork.org](http://www.redpandanetwork.org). And don't forget to stop by the Zoo and visit with Merry and Gansu.

# Kid's Corner



## ENDANGERED

All these animals are endangered, which means they are in danger of going extinct.

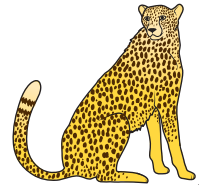


The names of all these animals are hidden in this word search. They can go horizontally, vertically, or diagonally. Can you find all of them?

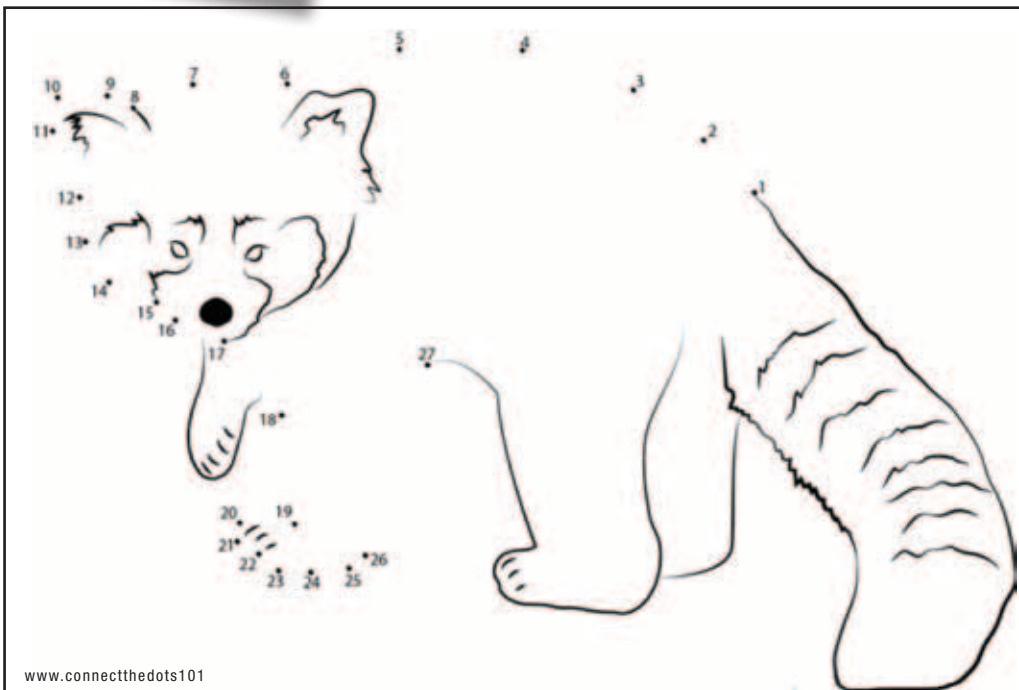


- CHEETAH
- MANATEE
- SEA TURTLE
- WHALE
- TIGER
- PANDA

- LEOPARD
- RHINO
- ELEPHANT
- POLAR BEAR
- CONDOR
- GREY WOLF



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www.connectthedots101

# Zhanna moves to New York City

By Mandy Fischer, Assistant Curator

The start of the New Year came with a new adventure for 'Zhanna', our eight year old female Amur tiger (*Panthera tigris altaica*). In late 2016, the Brandywine Zoo received a recommendation to transfer Zhanna to the Bronx Zoo in New York City. The Bronx Zoo is a part of the Wildlife Conservation Society (WCS) a conservation organization that manages five accredited zoos and aquariums in the New York area, as well as develops and supports significant conservation projects that directly benefit native species and local people in countries all over the world.



When we received the recommendation to transfer Zhanna, we embraced this opportunity. The Bronx Zoo has over 200 acres and has been at the forefront of animal health and husbandry for decades. Their exhibits are spacious and dynamic for animals, as well as engaging for visitors. Zhanna will now have access to multiple climate controlled holding dens and several outdoor yards on a rotational basis with the other tigers housed in the Wild Asia exhibit. This rotational system provides varying amounts of enrichment as she will be exposed to different portions



One of Zhanna's many views at the Bronx Zoo.

of the facility every day while seeing, smelling and listening to the other animals in the building. She also has access to five full time veterinarians and a complete modern animal health center equipped to handle emergencies and delicate medical procedures. The

carnivore staff at the Bronx Zoo collectively has decades of experience with tiger care and husbandry, as well as training and enrichment.

On moving day, her three trainers treated the morning routine like any other. In addition to her normal training sessions, they had been practicing an injection behavior for weeks leading up to the transfer date. Zhanna needed to be lightly sedated in order to complete a brief physical exam prior to shipment. She would then be lifted (while asleep) by hand and placed in the transport crate. Due to the strong relationship that Zhanna had with her trainers (and some goat's

milk as a reinforcer!) the trainers were able to ask Zhanna to 'lean left' and 'hold' at the mesh, while she calmly allowed them to give her the sedative injection. We had three veterinarians on site that day to assist with this procedure and it went extremely well.

After Zhanna was safely secured and fully recovered from the sedative in the transport crate, she began the two and a half hour journey north to New York City. She was transported in a large trailer by a company that specializes in safe animal transport.

All three of Zhanna's trainers, in addition to the Zoo's Assistant Curator, were able to accompany her to the Bronx Zoo and aid in her transition. Larger facilities move animals in and out often based on SSP recommendations, but this is a relatively rare occurrence for us. We wanted to provide as much staff as possible with this learning experience. The Bronx Zoo staff was extremely welcoming to Zhanna and our keepers. They provided numerous opportunities for the



Left to right: Sharon Smith, Leah Newman, Janey Kramlik, and Mandy Fischer

keepers to converse and share information about Zhanna's history, personality, training cues and favorite enrichment items. We know she is in excellent hands.

Since our facility is not designed to accommodate multiple tigers with offspring, this transfer created a chance for Zhanna to contribute to the critically endangered population of Amur tigers by being at a zoo that is set up to house breeding tigers and their cubs. She may one day be placed in a breeding situation. That decision will be made based on a number of factors including compatibility of individuals and reproductive success of other recommended pairs. Of the nine subspecies of tigers worldwide, three have gone extinct in the past 100 years. The Amur tiger subspecies in particular is estimated to have a wild population of less than five **hundred** individuals. Responsible management of the captive population is imperative to preventing extinction.

Both the Bronx Zoo and the Brandywine Zoo are accredited by the Association of Zoos and Aquariums (AZA). AZA accredited facilities are on a mission to adhere to high operating standards which make them leaders in animal welfare, public engagement, and the conservation of species. A part of this mission involves animal transfers be-

tween zoos and aquariums in order to meet the population management goals of particular species. Many of the animals you see when visiting an AZA accredited zoo are part of the Species Survival Plan or SSP. Simply explained, zoos will only breed animals when there is appropriate physical space available to house offspring and

when they are directed to do so by the Studbook Keeper for that particular species. The Studbook Keeper makes recommendations for breeding based on the genetics of the individual animals to ensure a healthy population, as well as the probability of maintaining that healthy population for the future. This is a daunting task which requires training on specialized computer programs, statistics, AZA codes of ethics and the publications of breeding and transfer plans. These Studbook Keeper positions are purely voluntary and in addition to their regular full time jobs at a zoo or aquarium (usually curators, registrars, directors and zookeepers).

Our staff and visitors will truly miss Zhanna at the Brandywine Zoo. However, we see this as a



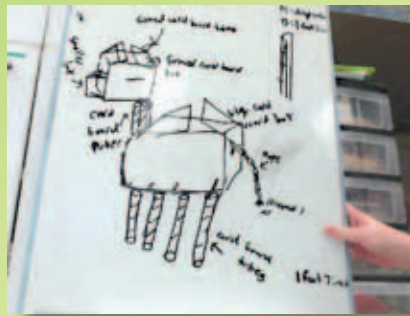
tremendous opportunity for Zhanna and to make needed improvements that will help us complete our overall mission of fostering a connection between people, wild animals and wild habitats. Stay tuned for exciting updates as we plan for our future!

# Enrichment Class Project

By Hannah Pretz, Education Program Coordinator

In November 2016, The Brandywine Zoo hosted 200 third through fifth graders, from ten different elementary schools located in the West Chester Area School District in Pennsylvania. This group of intelligent students previously completed a natural animal history project and worksheet in their classroom. This worksheet explored the natural habitat, diet, behaviors, and social structures of the animals at the Brandywine Zoo, including the ducks, Bald eagles, River otters, Greater Sandhill crane, Pygmy goats, Rhea, Amur tiger, bobcat, Andean condors, and the Program Animal Collection.

By the time the students arrived, they were already experts in ethology, more commonly known as animal behavior. They jumped into observing, recording, and analyzing the animals' behaviors during the Brandywine Zoo's **Animal Behavior STEM Zoo School Program**. The young scientists spent an hour in the Zoo's classroom learning about the importance of studying animal behavior in a zoo setting, and different methods of observing and recording the behaviors. Students did several ethograms for several animals during the program. An ethogram is a simple chart designed to record



behaviors in a quick and organized manner. Students categorized the behaviors into four groups; locomotion, maintenance, social and manipulation, or focus. They recorded their observations once every 30 seconds for 10 minutes. By the end of the week, the class had almost 400 sets of data in pie charts and bar graphs to analyze.

The students wanted to encourage the animals' natural behavior at the Zoo, so with help of the keeper staff, the classes made dozens of enrichment items for the animals! Keepers use animal enrichment to encourage natural behavior from the animals under their care. Enrichment helps satisfy both the physical and psychological needs of animals by keeping them active and providing a stimulating life. Enrichment can come in many forms: exhibit design, training, sensory stimulation, creating social groupings and puzzle feeders. The ferrets had fun running through and on top of a wooden ramp while Chelsea (macaw) enjoyed ripping apart a cardboard tub ladder designed and constructed by the students! The Brandywine Zoo gives a special THANK YOU to Susan Farrelly, Mrs. Bushnell and all the teachers, parents, and students of the elementary schools of the West Chester Area!



## Animal Enrichment Workshop

Sundays 10:30am-12:30pm • March 26, April 23, and May 28  
For adults and kids!

Craft-loving individuals will enjoy this hands-on workshop making enrichment for our Zoo animals. Learn all about the different kinds of enrichment we use to entertain animals living at Brandywine Zoo, help us craft and create new items, and see some of your hard work given out around the Zoo! You'll also be able to make some awesome enrichment to bring back to your pets at home!

Fee: \$12/non-members, \$10 DZS members

# BZAAZK Happenings

By: Sharon Smith, Lead Animal Keeper



Save the date for BZAAZK's 4th annual **Bowling for Rhinos** event on **Saturday, May 20th** at the Pleasant Hills Bowling Alley in Newport, DE. This will be another great, fun filled event with lots of great silent auction items, door prizes, and a 50/50 raffle.

Thank you to everyone who purchased products through our **Yankee Candle** Holiday Fundraiser. Over \$400 was raised for our professional

development fund which helps us further our education and training by attending conferences and classes throughout the year.

Our 2017 **Tango for Tamarins** event is scheduled for **September 23rd**. As in the past, it will be at Blue Ball Barn where we can spend the evening dancing under the stars and raising money for a great cause, 'Save the Golden Lion Tamarin'.

BZAAZK will be setting up an educational table at upcoming Zoo events throughout the year where you can learn more about a variety of topics including training, enrichment, and numerous conservation issues both local and global.

BZAAZK is partnering with Delaware Wild Lands for another beach clean-up on April 29 at 5:30 pm. Visit [www.dewildlands.org](http://www.dewildlands.org) or our Facebook page for more information. We always have a variety of merchandise for sale at these events.

For more information on Bowling For Rhinos, Tango For Tamarins, our Chapter and other upcoming events, visit: [www.Facebook.com/bzaazk](http://www.Facebook.com/bzaazk), or follow us on Instagram @BrandywineZooaazk.

# Thank you MEMBERS

Your membership helps us maintain and improve our zoo, as well as educate visitors about these wonderful creatures that call Brandywine Zoo their home. We continue to need your help to grow and keep admission costs down. Enjoy a special evening at the Zoo, on Thursday, June 29th just for Brandywine Zoo members. Did you know Brandywine Zoo members get in free for special events like Star Wars Day, Boo at the Zoo and Happy Noon Year's day? Discounted tickets are available for September 22nd Brew at the Zoo and wine, too! A new benefit this year--Joe's Crab Shack (Wilmington Riverfront) will give members a discount off their dinner bill when they show their membership card!

Don't forget to pack your Zoo membership card when you travel. As an AZA accredited zoo, our membership card is accepted at over 150 other AZA zoos giving you free or discounted admission. Zoo membership databases are not linked, so you need to have a current membership card and valid ID to show at the admission window. Call the zoo ahead of time to confirm any details or restrictions they might have. Visit [www.aza.org/reciprocity](http://www.aza.org/reciprocity) to see a complete listing of reciprocal institutions.



# STAR WARS DAY

**Saturday, May 13th**  
Noon - 3:00 PM

**Star Wars Characters will invade the Zoo!**

Authentic costumed characters such as Darth Vader®, Storm Troopers, Imperial Officers and Boba Fett® will walk among visitors and you are encouraged to take pictures! Wear your favorite Star Wars costume and bring your camera!

\*Characters subject to change



**501ST LEGION**

Gates Open at 11 AM

**Two Timed Admissions are Available Online**

1st slot: 12:00 Noon to 1:30 PM

2nd slot: 1:30 PM to 3:00 PM

**Ages 3+: \$8**

**Youth Under 3: FREE**

**BZ Members: FREE**

# Delaware Zoological Society

1001 North Park Drive, Wilmington, DE 19802



**Delaware State Parks**  
*We're saving a place for you*

The Brandywine Zoo is managed by the Delaware Division of Parks and Recreation with the support of the Delaware Zoological Society.

For more information about the Division or Delaware State Parks, call (302) 739-9220 or visit our web site at [www.destateparks.com](http://www.destateparks.com).

The Department of Natural Resources and Environmental Control is committed to affirmative action, equal opportunity and the diversity of its work force.

ACCREDITED BY THE  
**ASSOCIATION  
OF ZOOS &  
AQUARIUMS**

Please let us know when you move; don't miss special invitations and Zoo News. Email to [memberships@brandywinezoo.org](mailto:memberships@brandywinezoo.org) or call 302-571-7788.

Printed on recycled paper 

**SAVE THE DATE**



Non-Profit  
Organization  
U.S.  
Postage Paid  
Wilmington, DE  
Permit No. 601



**93.7WSTW**

**FAMILY FUN NIGHTS**

**Tuesday, June 20**

**Wednesday, July 12**

**Thursday, August 10**

**6:00-8:00 PM**

**\$1 admission**  
(BZ members free)

*\$1 Hot dogs,  
pretzels, and  
soft drinks too!*

BRANDYWINE  
**ZOO**  
*Go a little wild!*

### Spring ReZOOvenation!

Saturday & Sunday, March 11-12,  
10:00am- 3:45pm

### Zoo Kids: Toddlers and Preschool

Sunday, April 2 & 9; May 7 & 21 10:30am-11:00am

### Intern Open House: Summer Zoo Internships

For High School and College Students  
(Ages 14-and up)

Saturday, April 1, 1:00pm-2:30pm

### Book with a Bunny

Saturday, April 1, 12:00-12:30pm

### Scout Night

Saturday, April 8, 4:00pm-6:00pm

### Earth Day Celebration

Saturday, April 22, 10:00am-3:00pm

### Earth Day Event for Schools

Friday, April 28, 10:00am-12:00pm

### Girl Scouts: Animals and Me

Saturday, May 6, 9:30am-12:00pm

### Star Wars Day

Saturday, May 13, 12:00pm-3pm

### Endangered Species Day School Event

Friday, May 19, 10:00am-12:00pm

### Bowling for Rhinos

Saturday, May 20, 7:00pm-9:00pm

**Location:** Pleasant Hills Bowling Alley,  
Newport, DE

**Tickets:** For more information or tickets,  
please visit [Facebook.com/BZAAZK](https://www.facebook.com/BZAAZK)

