OUR MISSION
Inspiring others to join us in caring for animals and conserving the natural world.

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If you contributed to or supported the Toledo Zoo in any way in 2014 and your name was omitted or misspelled, please let us know. Thank you.
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2014 was a high flying year for the Toledo Zoo and I'm not just talking about our incredible Year of Flight exhibits. The Toledo community, zoo members and visitors from across the country voted your Zoo #1 in USA Today's 10Best Readers' Choice Awards contest!

I consider this a 'win' not just for the Zoo, but for the whole region. It's a great reminder of Toledo's many world-class cultural attractions. We couldn't have done it without the enthusiastic support from our community. It proves what we can do when we all work together – even when we're competing against much larger metropolitan areas. This whole region loves its Zoo! This fact was proven by the numbers as noted by the 10Best contest manager, “Toledo's win was by a significant margin. The votes for this category were over three times higher than the most popular contest held prior.”

The Toledo Zoo was also honored in FamilyFun magazine's Travel Awards as #2 zoo and #8 in overall family-friendly attractions.

In addition to our Zoo being recognized as a whole, a few departments received national attention too. Our sales and catering staffs were recognized by The Knot.com as a Brides' Choice winner in its 2014 Best of Weddings segment. This award is the direct result of brides' reviews and is the third consecutive year that the Zoo has won.

Our conservation/Wild Toledo staff were also honored when Solar Builder magazine named the 2.1 MW Anthony Wayne Solar Array their Project of the Year. The project garnered 30% of the public votes among six finalists in the ground-mount category, selected from nearly 30 nominees nationwide, based on construction application, innovation and community impact. The Anthony Wayne Solar Array was the only finalist in the Midwest. Voting was open to Solar Builder readers and the public via solarbuildermag.com. Winners were honored at Solar Power International in Las Vegas.

The Ohio House of Representatives even recognized the Toledo Zoo with a resolution in honor of the #1 zoo ranking on Sunday, August 24.

We are proud to be a contributing member of this community, state and nation. We thank you for all of your support.

In addition to reading more about our achievements in this report, you will also find details about our new exhibits, events, educational programming, conservation efforts and, of course, our animals!

This year we highlighted the visitor experience and local conservation, integral parts of what makes the Toledo Zoo such a success. We are always searching for more ways to enhance the visitor experience through programs like our Behind-the Scenes tours, after-hours event opportunities and events for every age demographic. With animals from across the world, we obviously think globally but are also acting locally. We realize that there are many important needs and opportunities for wildlife conservation in our own backyard. We invite you to join us in discovering all that this great area has to offer.

Words can't express our gratitude for your continued confidence, patronage and friendship of the Toledo Zoo.

Thank you!

Jeff Sailer, executive director and CEO

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**2014 AT A GLANCE**

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NEW EXHIBITS
Year of Flight

2014 was known as the “Year of Flight.” In conjunction with the theme, three permanent exhibits, Penguin Beach, Flamingo Key and ‘Keet Retreat opened along with three seasonal exhibits. The seasonal exhibits each highlighted a different area of flight: butterflies, flying reptiles and vampire bats. All of these exhibits proved to be great feathers in the Zoo’s proverbial cap!

PENGUIN BEACH EXHIBIT

At the all-new Penguin Beach, near the historic Aquarium, visitors can walk right through the exhibit with African penguins – an endangered species – on three sides. Nearby, a “wall of water” offers expanded underwater viewing and great photograph opportunities of the birds “flying” through the water. The Zoo also increased the size of its penguin flock – more correctly called a colony – by acquiring four females and one male and now participates in an AZA breeding program. These black and white friends continue to entertain audiences with their acrobatic swimming and social behavior.
FLAMINGO KEY EXHIBIT

Flamingo Key - sponsored by Toledo Express Airport - is the new home of the long-legged tropical pink birds. The former waterfowl area- near the Aviary- received an island-inspired makeover to house these “avian supermodels.” Changes included a more gradual slope from land to water, along with a splash of color inspired by the birds’ native Caribbean Islands. More than two dozen flamingos moved into the new space. The new flamingo flamboyance included both juveniles and adults, giving visitors a chance to see the young birds grow into elegant adults. The birds and their new home were welcomed additions as flamingos hadn’t been residents of the Zoo in decades.
'KEET RETREAT

Near the Zoo’s Broadway entrance, a new free-flight parakeet exhibit received an enthusiastic response. ‘Keet Retreat, sponsored by BP, allows visitors to enjoy these colorful, friendly members of the parrot family in an open encounter. Visitors even have the option to feed the birds.
FLYING REPTILES

Although the concept of flying reptiles may be new to many people, these species once shared the skies with the world’s first birds.

Two key animals of the exhibit, rarely seen at U.S. zoos, are flying geckos and ornate snakes. Originating in Indonesia, flying geckos use their tail to glide from branch to branch. Ornate flying snakes, from India and Asia, flatten their whole body into a “wing,” like a long, oval disc.

Hand-crafted models of many prehistoric flying animals were also on display. The Reptile House featured a life-size replica of Quetzalcoatlus northropi, which stood as tall as a giraffe and had a wingspan of 35 feet.

BUTTERFLY EXHIBIT

During the deep freeze of a midwest winter, the Museum of Science’s Great Hall was transformed into a summer meadow where butterflies could flitter about freely. Dazzling butterflies— including many rare species—from all across the Americas glided around and even landed upon visitors. From the striking zebra longwing to the bright orange gulf fritillary and multicolored white peacock butterfly, it was an interactive encounter of natural beauty and grace.

VAMPIRE BATS

Just in time for Halloween, the Zoo opened a new vampire bat exhibit in its award-winning children’s zoo, Nature’s Neighborhood. Vampire bats (Desmodus rotundus) are erroneously notorious for their “Hollywood reputations.” Although they do drink blood—most commonly from livestock—these small mammals rarely kill their prey and their teeth are so sharp that prey often don’t even feel the bite. Vampire bats pose very little threat to humans and are social, intelligent animals who form long-term cooperative bonds within their group, grooming each other and sharing meals.
VETERINARY CARE

The Toledo Zoo’s Veterinary Department is committed to keeping our animals healthy through the use of state-of-the-art technology, top-notch nutrition, preventative medicine and experienced medical professionals. Dr. Yousuf Jafarey, associate veterinarian, states “We strive to provide high-quality veterinary care to all our animals, big or small.” The following medical highlights from 2014 illustrate his point.

While we may not always think about it, animals can have the same ailments, aches and pains as humans. Unfortunately, animals cannot simply tell their keepers or veterinary staff exactly where it hurts or what the problem is. Therefore, our keepers are trained to be attuned to every detail of the animal in their care.

When keepers noticed some discoloration on the left canine tooth of Crystal, one of our polar bears living in Arctic Encounter, they quickly called for a vet consultation. Because of Crystal’s enormous size, she is not easily transported to the veterinary exam rooms. Instead, the vet hospital is completely loaded up in our ambulance and taken to her! The staff did x-rays of Crystal’s mouth and confirmed infection and dental disease in her left mandibular canine. A large animal dental specialist was brought in to perform the extraction. The day of the dental surgery, Crystal was given a combination of medications to immobilize and anesthetize her. She was then intubated to help her breathe and allow the vet staff to monitor her closely.

The procedure was a complete success. Since the surgery, Crystal has not had any additional issues; her mouth healed well and she is eating normally.

From one end of the size spectrum to the other, another successful procedure was performed on a porcupine pufferfish from our Aquarium. The puffer had a cataract on its right eye. Dr. Yousuf said that the cataract was likely the result of trauma to the eye that moved the lens out of place resulting in gas bubble disease which developed the cataract. A cataract is formed when the lens of the eye becomes cloudy causing blurred vision. Again a specialist was necessary. This time an ophthalmologist was called in. Because fish breathe through their gills, anesthesia is difficult to administer and monitor. One of our Aquarium keepers, Angie Benner, built a special table on which to perform the procedure. Beneath the table were two buckets of water with hoses attached. One bucket contained regular tank water and the other was water infused with anesthetic. Throughout the procedure, vet staff would alternate between the two buckets to keep the fish comfortable. The cataract was about 1.5 centimeters in diameter. The procedure was a success and the puffer is back on exhibit next to the coral reef tank in the newly renovated Aquarium. “While the appearance of the eye is abnormal, the fish seems to have adjusted well,” said Dr. Yousuf.

In 2014, the Zoo’s Veterinary department coordinated and performed:
2,000+ fecal tests
1,000+ exams/procedures
400+ blood tests
350+ anesthesias
30+ biopsies
ANIMAL BEHAVIOR

According to Beth Posta, curator of behavioral husbandry and research, the purpose of her department is to enhance animal welfare. Within that, the goals are to help animals express themselves by encouraging natural behaviors and to give the animal control of their own lives through choices of food, activities, social groups, etc. These goals are accomplished through training and enrichment.

Training is teaching animals to do certain behaviors, many of which aid in their overall care. For example, in 2014 both of our hippopotamuses, Herbie and Emma, were trained to stand with their mouths open for 30 seconds. This allowed keepers to do dental work including trimming their tusks (teeth) with a diamond dust brush. The training process took a long time and progressed from the hippos simply being rewarded for opening their mouths wide, to then doing it for an extended period of time, to having their tusks touched, then brushed with a very soft bristle and finally allowing the actual filing down and sawing off of overgrown tusks. Posta says that while the training process took a long time and a lot of trust, in the end it was a success and that Herbie got so comfortable with his mouth open, he would almost fall asleep!

Another training success is our seal, Ed. Ed was brought in from the wild because he was not afraid of people and would steal fish from fishermen. There was great concern that he would be hurt by an angry fisherman or by their boats. Posta said it took a lot of patience and training to acclimate Ed to zoo life, especially eating dead fish and learning behaviors to help keepers take care of him. In 2014 though, Ed learned to touch a target pole with his nose (which allows keepers to lead him to desired areas), go into the water on cue, roll on his side to allow staff to look at his chest and abdomen. He even got accustomed to staff touching and handling his back flippers to take blood samples. Ed seems to thrive on keeper attention. He is now an eager student.

The animal behavior program also focuses on environmental enrichment. A common myth is that animal enrichment equals toys. That may be the case sometimes, but not always. According to Posta, animal enrichment is anything done to an animal’s environment to encourage natural behaviors and choices and enhance the animal’s welfare. While it may include giving an animal items to play with, it is based on and meant to simulate what they would do in the wild. Enrichment is not only species specific, but also specific to individual animals based on their personalities and preferences. The goal is always to make the enrichment as natural as possible, so for example, gourds may be used instead of plastic balls.

One easy-to-see example of enrichment here at the Zoo is the strategic placement of food in an animal’s exhibit. Wild animals are not like our family pets that have designated eating areas. In the wild, animals have to search for food and it is found in different locations and varieties. Visitors will notice in the elephant exhibit that food is hidden in tires or in barrels hanging from the tree tops to encourage the elephants to forage more like they would in the wild. In Primate Forest and Kingdom of the Apes, food is scattered throughout the exhibit: on the ground and on platforms. Much of the food is placed in enrichment feeding devices that challenge the animal to get the food out. Not all groupings of food will be the same either. This encourages the animals to find their own favorites and eat in various locations.

An example of an enrichment feeding device is a piece of PVC pipe with end caps and a hole drilled in the middle. This pipe is filled with food and given to primates.

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Posta explains, the same item provides different opportunities and different challenges to different species. For example, monkeys do not have opposable thumbs so they will simply use their fingers to poke or dig around and pull the food out the hole. For gorillas this same feeder may be mounted on the wall to encourage them to think about how to get the food out, instead of simply pulling the ends off or breaking it with their brute strength. Orangutans, or as Posta calls them, “the whiz kids of the primate world” will want to figure it out. They will likely take the feeder apart, get the food out, eat and may even put the item back together!

In order to help our visitors better understand enrichment, we host several events throughout the year that allow guests to see the enrichment activities first-hand. On holidays such as Valentine’s Day, Easter and Halloween, animals all across the Zoo track down themed enrichment treats such as papier-mâché hearts, hard-boiled eggs and pumpkins hidden in their habitats to stimulate their senses and encourage natural behaviors. Some will make a meal and some will make a mess, but all of them will interact with their environments, engage in naturalistic behaviors and enhance their wellbeing.

On Saturday, September 27 the Zoo offered Enrichment Day so visitors could see these efforts in action, from animal feeds to enrichment demonstrations and up-close animal encounters. Some of the highlights were elephant bath time, hippo watermelon pool party, Baru our saltwater crocodile chowing down and otters playing with and enjoying clamshells. All across the Zoo, keepers shared enrichment demonstrations and information about the animals, from little parakeets to huge gorillas.

Event and program sponsors
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Animal Behavior continued
New species

*Tachyglossus aculeatus*: Short-beaked echidna
*Bos taurus*: Watusi cattle
*Eulemur mongoz*: Mongoose lemur

Births/hatchings

*Lemur catta*: Ring-tailed lemur
*Trachypithecus francoisi francoisi*: Francois’ langur
*Nomascus leucogenys*: White-cheeked gibbon
*Trachypithecus pygmaeus pygmaeus*: Bornean orangutan
*Suricata suricatta*: Slender-tailed meerkat
*Hydrictis maculicollis*: Spotted-necked otter

Seasonal Exhibit

During *Lights Before Christmas*
*Rangifer tarandus*: Reindeer

Species status

*Lemur catta*: Ring-tailed lemur E*
*Hylobates leucogenys*: White-cheeked gibbon E*
*Presbytis francoisi francoisi*: Francois’ langur E*
*Gorilla gorilla gorilla*: Western lowland gorilla E*
*Pongo pygmaeus*: Bornean orangutan E*

*Lycaon pictus*: Hunting dog E
*Ursus maritimus*: Polar bear T*
*Melursus ursinus inornatus*: Sloth bear T*
*Panthera leo krugeri*: African lion T*
*Panthera tigris altaica*: Amur tiger E*
*Panthera uncia*: Snow leopard E*
*Acinonyx jubatus*: Cheetah T*
*Loxodonta Africana*: African elephant T*
*Hydrictis maculicollis*: Spotted-necked otter *
*Ceratotherium simum*: Southern white rhinoceros E*
*Hippopotamus amphibius*: Hippopotamus T*

E / T = listed as endangered (E) or threatened (T) by the U.S. Fish & Wildlife Service or International Union for Conservation of Nature (IUCN)

* = protected by the Convention on International Trade (CITES) in Endangered Species of Wild Fauna and Flora

2014 was a year of reproducing for the current residents of the mammal department along with the introduction of new species. We had three litters of meerkats throughout the year. Because of the number of litters, we sent some of them to another zoo (for their visitors to enjoy) and the rest are entertaining audiences on exhibit in Tembo Trail. Like all meerkat pups, when born these were mostly hairless with their eyes and ears shut. Their eyes opened when they were about two weeks old. At about three weeks of age, they started eating solid food and exploring outside the family’s underground burrows. These burrows are complex structures that include mounds, access holes, tunnels and sleeping chambers. Native to Africa, meerkats are carnivorous (meat eaters) and they belong to the mongoose family. A group of meerkats is called a “mob” or “gang.” Meerkats are about 12 inches long and weigh about two pounds.

Also new to Tembo Trail were our twin male Spotted-neck otter pups. The twins were born January 21 and went on exhibit in May. Spotted-necked otters are a relatively new species for the Toledo Zoo as the pups’ parents arrived in late spring of 2012. Nationwide, only eight North American zoos accredited by the Association of Zoos and Aquariums (AZA) exhibit Spotted-necked otters. This is only the third litter of spotted-necked otters in the last five years among participating zoos; the first litter was also born at the Toledo Zoo in 2012.

Spotted-necked otters live in clean, freshwater habitats in Africa where prey (fish) is abundant. While they are some of the strongest swimmers among otter species, spotted necks rarely venture more than 30 feet from the water’s edge.

Photo: Nancy Nielsen
Another birth was celebrated on January 18 when the Zoo welcomed a male Francois' langur. This is the sixth offspring for the baby’s parents, and his mother provided excellent maternal care. As an adult, a Francois’ langur has a long, black, silky coat with a white band of cheek fur and a pointed crest of hair on top of its head. A typical Francois’ langur baby, however, is predominantly orange. Biologists believe the orange color helps the baby blend in with foliage in the tree canopies of its native habitat in Vietnam, southeast China and central Laos. Fewer than 2,500 Francois’ langurs are estimated to survive in the wild, with hunting and habitat loss contributing to their status as an endangered species. The Toledo Zoo is one of fewer than 20 institutions in the United States to exhibit and breed Francois’ langurs.

Another new baby came late in the year. Ting, a female gibbon was born on November 30. This is the fourth offspring for mother Hue (pronounced “way”) and father Batu. Mother and baby are easy to spot because both are cream-colored, while most of the Zoo’s other gibbons are black. Baby gibbons are born a cream color, darkening as they mature. Males stay black their whole lives, but females, when they reach maturity, change back to a cream color.

This baby gibbon’s arrival is more than great news for the Zoo; it’s important for the preservation of this species, which is critically endangered and faces extinction. In southeast Asia -- where gibbons spend all their lives in the trees of tropical rainforests -- deforestation, hunting and poaching threaten their survival. As part of the ongoing efforts to preserve the species, the Toledo Zoo participates in a Species Survival Plan (SSP) in conjunction with the Association of Zoos and Aquariums (AZA). Through this cooperative breeding and conservation program, the Zoo works with other zoos around the country to help ensure a future for the gibbon. The entire family group, including mom, dad, baby, big brother and big sister are on exhibit in Primate Forest.

The biggest of the new mammal additions to the Zoo were three Watusi cattle. The Watusi species originated in eastern Africa, though the original wild species has been extinct since the 1600s; today’s species survives as highly coveted domesticated animals. Nicknamed “the cattle of kings,” they have historically been regarded as a status symbol and a form of currency among the elite.

Watusi cattle’s most striking feature is their lyre-shaped horns which can reach up to eight feet from tip to tip. The horns continue to grow throughout the animals’ lives, with a honeycomb of blood vessels inside acting like radiators to keep the animals cool in hot temperatures.

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The Toledo Zoo’s three Watusi cattle – Handsome, Kurlee and Sur – are all six-year-old males standing four to five feet tall with horns that measure three to seven feet from tip to tip. Each has a distinguishing feature to help visitors tell them apart; Handsome is dark red with splashes of white while Kurlee and Sur are both solid dark red, but Kurlee’s horns curve upward and Sur’s curve outward. These Watusi cattle are the first of their species to call the Toledo Zoo home.

Two more additions were made to Primate Forest when seven year old twin ring-tailed lemurs, Fresca and Fanta, each gave birth. Fresca gave birth to a male, Julian, on March 20 and then Fanta gave birth to a female, Jolly, five days later. The father of both offspring is five year old, Oliver.

Ring-tailed lemurs are members of the primate family, related to monkeys and apes. About the size of large domestic cats, they have piercing stares and distinctive ringed tails. These social, intelligent animals like to sunbathe on warmer days and huddle together in “lemur balls” to keep warm on cooler days and maintain social bonds. They are also agile athletes and spend their time on the ground or in trees easily moving from one to the other. Lemur groups are female-dominated, with mothers, daughters and sisters staying together; males stay within the group for shorter periods of time.

The Toledo Zoo participates in a Species Survival Plan (SSP) for ring-tailed lemurs, as they are considered endangered due to poaching and habitat loss. Both of these were SSP-recommended breedings to help establish self-sustaining populations.

This year we also said goodbye to some of our animals. After months of dedicated but unsuccessful efforts to encourage his mother to care for him, Kecil (pronounced Ka-cheel, which is Indonesian for little man) a male orangutan baby born Jan 11 was placed with a surrogate mother at the Brookfield Zoo, in Chicago in May.

Two of our polar bears, Suka and Sakari, were sent to Como Park Zoo and Conservatory in St. Paul, Minnesota in August. The cubs were born here in 2012 and are now mature enough to live by themselves.

We are sad to report the death of Nikko, our male snow leopard in September, despite our veterinary staff’s best efforts. Nikko was 13. The Zoo is working with the SSP to obtain another male snow leopard for our female who is still on exhibit.
New species

*Tetrao urogallus:* Western Capercaillie  
*Lophura ignita:* Lesser Bornean Crested Fireback Pheasant  
*Clangula hyemalis:* Long-tailed Duck  
*Melanitta fusca:* White-winged Scoter  
*Phoenicopterus ruber:* American Flamingo  
*Eudocimus ruber:* Scarlet Ibis  
*Phalacrocorax lucidus:* White-breasted Cormorant  
*Coragyps atratus:* Black Vulture  
*Cariama cristata:* Red-legged Seriema  
*Melopsittacus:* Budgerigar  
*Tyto alba:* Common Barn Owl  
*Calypte costae:* Costa’s Hummingbird  
*Eugenes fulgens:* Rivoli’s Hummingbird  
*Urocissa erythrorhyncha:* Red-billed Blue Magpie  
*Erythrura psittacea:* Red-throated Parrot Finch

Births/hatchings

*Euodice cantras:* African Silverbill  
*Aythya baeri:* Baer’s Pochard  
*Ptilinopus pulchellus:* Beautiful Fruit Dove  
*Amaurornis flavirostra:* Black Crane  
*Estrida troglodytes:* Black-rumped Waxbill  
*Gallicolumba luzonica:* Bleeding-heart Dove  
*Claravis pretiosa:* Blue Ground Pigeon  
*Neophema bourkii:* Bourke’s Parrot  
*Melopsittacus:* Budgerigar  
*Mergus squamatus:* Scaly-sided Merganser  
*Copsychus malabaricus:* Common Shama Thrush  
*Coua cristata cristata:* Crested Coua  
*Amadina fasciata:* Cut-throat Finch  
*Sagonopleura guttata:* Diamond Firetail Finch  
*Poephila bichenovii:* Double-barred Finch  
*Balearica regulorum gibericeps:* East African Crowned Crane  
*Fringillidae:* Finch  
*Chloebia gouldiae:* Gouldian Finch  
*Serinus mozambica:* Green Singing Finch  
*Otidiphaps nobilis nobilis:* Green-naped Pheasant Pigeon  
*Spheniscus demersus:* Jackass Penguin  
*Poephila acuticauda:* Long-tailed Finch  
*Turnix nigricollis:* Madagascar Button Quail  
*Estrida melpoda:* Orange-cheeked Waxbill  
*Hypergerus atriceps:* Oriole Warbler

Species status

*Struthio camelus:* Ostrich *  
*Casuarius caurinus:* Southern Cassowary T  
*Apteryx mantelli:* North Island Kiwi E  
*Branta ruficollis:* Red-breasted Goose E *  
*Aythya baeri:* Baer’s Pochard E  
*Clangula hyemalis:* Long-tailed Duck T  
*Marmaronetta angustirostris:* Marbled Teal T  
*Melanitta fusca:* White-winged Scoter E  
*Mergus squamatus:* Chinese Merganser E  
*Spheniscus demersus:* Jackass Penguin E*  
*Geronticus eremita:* Waldrapp Ibis E*  
*Gyps coprotheres:* Cape Griffon Vulture T*  
*Tringa nebulosa:* White-headed Vulture T*  
*Rhythochetos jubatus:* Kagu E*  
*Balearica regulorum gibericeps:* East African grey-crowned Crane E*  
*Columba impressa:* Mauritius Pink Pigeon E*  
*Goura Victoria:* Victoria Crowned Pigeon T*  
*Lorius garrulus:* Chattering Lory T*  
*Lophura swinhoii:* Swinhoe’s Pheasant E*  
*Polyplectron emphanum:* Palawan Peacock Pheasant E*  
*Aratinga guarouba:* Golden Conure E*  
*Bucorvus leadbeateri:* Southern Ground Hornbill T
Amazona leucocephala leucocephala: Cuban Amazon Parrot E
Ptilinopus roseicapilla: Pink-crowned Fruit Dove E
Cleptornis marchei: Golden White-eye E
Zosterops conspicillatus saypani: Saipan White-eye E
Leucopsar rothschildi: Bali/Rothschild’s Mynah E*
Carduelis cucullata: Red Siskin E*

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* = protected by the Convention on International Trade (CITES) in Endangered Species of Wild Fauna and Flora

In the “Year of Flight,” there was obviously a lot happening in the world of birds at the Toledo Zoo. In addition to our new exhibits, we had our first African Penguin chick hatch. The chick is not on exhibit due to special medical considerations and needs but our staff is taking great care of it and are hopeful for it to be a part of the Penguin Beach colony in the future.

In addition to the penguin hatch, staff at our Avian Breeding Center continue to do much groundbreaking work. We were only the second zoo in the United States to successfully hatch Scaly-sided Mergansers. These endangered Sea Ducks can be seen in Flamingo Key. We also had our first breeding of an East African Crowned Crane. Our successful breeding of Pink-necked Fruit Doves continued; in fact, we doubled the population. Additionally, we also bred Baer’s Pochard, a critically endangered bird and the nine juveniles are on exhibit in Flamingo Key.

Another highlight in the field of birds was the hatchings of two Saddle-billed Stork chicks, one on February 10 and one on March 3. These are the Zoo’s first Saddle-billed Stork chicks in six years, and the ninth successful hatching of their species at the Zoo since 2000, when the Zoo became only the second zoo in the world to rear this species. Nationwide, just 67 of these birds live in zoos accredited by the Association of Zoos and Aquariums (AZA).

The chicks’ parents were not able to care for them safely, so keepers hand-reared them. But because it’s important that the young birds bond with their own species rather than their human caretakers, the team uses a special stork head puppet – hand-crafted here at the Zoo – to feed the chicks. The species’ key distinguishing feature is the yellow, saddle-shaped marking on their long red-and-black beaks.

Our bird curators, keepers and staff were obviously busy on grounds caring for the new Zoo residents but they also spent time in the field helping to further the conservation of our feathered friends. Ellen Gorrell, one of our bird keepers, went to the site of the Titan Tire oil spill to assist in the clean-up and care of oil-soaked wildlife. Chuck Cerbini, associate curator of birds spoke at the International Wild Waterfowl Association conference in Salt Lake City. We also continued our conservation initiatives with long-standing partners Mariana Avifauna Conservation and Great Lakes Piping Plover Recovery Project.
New species

Chelonoidis nigra: Galapagos tortoise
Agama agama: Common agama
Draco volans: Flying lizard

Births/hatchings

Chrysemys picta marginata: Midland painted turtle
Sceloporus poinsettia: Blue spiny lizard
Ptychozoon kuhli: Gliding gecko
Naja pallida: Red spitting cobra
Pituophis melanoleucus melanoleucus: Northern pine snake
Manouria emys phayrei: Burmese black tortoise

Species status

Emydoidea blandingii: Blanding’s turtle E*
Clemmys guttata: Spotted turtle E*
Terrapene carolina carolina: Eastern box turtle T*
Sphenodon punctatus: Tuatara E*
Chelonoidis nigra: Galapagos tortoise E*
Malacochersus tornieri: African pancake tortoise T*
Phelsuma standing: African day gecko T*
Uroplatus henkeli: Henkel’s leaf-tailed T*
Acrantophis dumerili: Dumeril’s ground boa*

Acrantophis madagascariensis: Madagascar ground boa*
Sanzinia madagascariensis: Madagascar tree boa *
Epictates monensis granti: Virgin Islands boa E*
Epictates monensis monensis: Mona Island boa E*
Epictates subflavus: Jamaican boa T*
Ophiophagus: Hannah King cobra T*
Drymarchon corais couperi: Eastern indigo snake T
Crotalus horridus horridus: Timber rattlesnake SE
Crotalus unicolor: Western diamondback T*
Sistrurus catenatus: Eastern massasauga SE
Zhaoermia mangshanensis: Chinese mountain pitviper E
Crocodylus cataphractus: African slender-snouted crocodile E*
Crocodylus rhombifer: Cuban crocodile E*
Crocodylus porosus: Saltwater crocodile E*

E / T = listed as endangered (E) or threatened (T) by the U.S. Fish & Wildlife Service or International Union for Conservation of Nature (IUCN)

* = protected by the Convention on International Trade (CITES) in Endangered Species of Wild Fauna and Flora

It had been 30+ years since the Toledo Zoo had an adult Galapagos tortoise on exhibit. Many of our visitors aged 40 and over have fond memories and photos taken with Galopy, our old resident Galapagos tortoise (Chelonoidis nigra.) This year marked the return of the giant tortoises to the Zoo with the arrival of Emerson from the San Diego Zoo. Although Emerson’s history is not fully known, he was probably wild-caught on the Galapagos Islands as part of the Townsend expedition of 1927. He is estimated to be over 100 years old and weighs over 400 pounds. As Emerson is the only member of his sub-species in the United States, he is not part of a breeding program. His winter home is in the Ziems Conservatory and in warmer months he is housed outdoors nearby.

In addition to Emerson, the Zoo also received three baby Galapagos tortoises from the Gladys Porter Zoo in Brownsville, Texas. Two of the babies are two years old and one is three. Upon arrival they weighed in at about 300 grams or about half a pound. They are currently about the size of a softball and on display in the Reptile House.

Another notable achievement of the Herpetology Department this year is the breeding of the West African Gaboon viper (Bitis rhinoceros). The successful breeding resulted in 30+ babies, most of which were sent to other zoos that had been anxiously waiting. With their large heads, beautiful pattern and horned snouts, the Gaboon viper is a popular exhibit in the Reptile House. They are considered one of the world’s most dangerous snakes and are known to have fangs that can grow to over two inches long!
### Amphibians, 2009-2014

<table>
<thead>
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<th>Year</th>
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<th>Individual animals</th>
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<tr>
<td>2014</td>
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</table>

### New species

*Heterixalus madagascariensis*: Madagascar reed frog

### Births/hatchings

- *Pseudobranchus striatus striatus*: Broad-striped dwarf siren
- *Cryptobranchus alleganiensis*: Hellbender
- *Aneides aeneus*: Green salamander
- *Bolitoglossa conanti*: Conant’s mushroom tongue salamander
- *Neurergus kaiseri*: Kaiser’s spotted newt
- *Nectophrynoides asperginis*: Kihansi spray toad
- *Bufo baxteri*: Wyoming toad
- *Eleutherodactylus gageae*: Rain frog
- *Pseudoacris triseriata*: Striped chorus frog
- *Phyllobates vittatus*: Golfodulcean poison dart frog
- *Dendrobate auratus*: Green-and-black poison dart frog
- *Dendrobates tinctorius*: Yellow-and-blue poison dart frog

### Species status

- *Bolitoglossa conanti*: Conant’s mushroom tongue salamander E
- *Plethodon petraeus*: Pigeon Mountain salamander T
- *Andrias japonicas*: Japanese giant salamander E *
- *Cryptobranchus a. alleganiensis*: Eastern hellbender SE *
- *Aneides aeneus*: Green salamander SE
- *Eurycea lucifuga*: Cave salamander SE
- *Neurergus kaiseri*: Kaiser’s spotted newt E *
- *Atelopus varius zeteki*: Panamanian golden frog E *
- *Bufo baxteri*: Wyoming toad E
- *Nectophrynoides asperginis*: Kihansi spray toad E *
- *Peltophryne lemur*: Puerto Rican crest frog E
- *Phyllobates terribilis*: Golden poison dart frog E *
- *Phyllobates vittatus*: Golfodulcean poison dart frog E *
- *Hylomantis lemur*: Lemur tree frog E
- *Mantella aurantica*: Golden mantella E *

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SE / ST = listed as endangered (SE) by the state of Ohio

* = protected by the Convention on International Trade (CITES) in Endangered Species of Wild Fauna and Flora

Wyoming toads are native to one area of Wyoming and are dark brown, gray and green in color with each individual toad bearing a different set of markings and warts. The rapid population decline is credited to insecticide usage, climate change and increased predators. Through a collaborative program, the Toledo Zoo raised 2,300 Wyoming toad tadpoles that were released back into the wild. This number is about 10% of the total captive population. The Zoo’s involvement with this program started in the early 1990s and Toledo was one of the founding institutions for the Species Survival Plan (SSP) to conserve and manage the captive population with the end goal of releasing back into the wild. The current population of Wyoming toads is the direct result of this program.

The Zoo continues to produce Kihansi spray toads – once extinct in the wild – for reintroduction in Tanzania. The first release occurred in 2012 and there have been subsequent releases in 2013. The good news is that adult and young spray toads have been observed in the wild, indicating natural reproduction is occurring.
New species

Heterodontus francisci: Horn shark
Chiloscyllium plagiosum: White spotted bamboo shark
Hemiscyllium ocellatum: Epaulette shark
Stegostoma fasciatum: Zebra shark
Atelomycterus marmoratus: Coral cat shark
Cephaloscyllium ventriosum: Swell shark
Mustelus californicus: Grey smooth-hound
Triakis semifasciata: Leopard shark
Carcharhinus melanopterus: Blacktip reef shark
Rhinobatos productus: Shovelnose guitarfish
Dasyatis americana: Southern red stingray
Urobatis jamaicensis: Yellow stingray
Myliobatis californica: Bat eagle ray
Amia calva: Bowfin
Carassius auratus: Goldfish
Cyprinus carpio: Carp
Notemigonus sp.: Shiner
Notropis sp.: Minnow
Catostomus sp.: Sucker
Ictiobus bubalus: Smallmouth buffalo fish
Ictiobus cyprinellus: Bigmouth buffalo fish
Colossoma macropomum: Tambaqui
Myleus sp.: Pacu
Pygocentrus caribe: Blackspot piranha
Pygocentrus nattereri: Red piranha
Ictalurus punctatus: Channel catfish
Noturus sp.: Madtom
Pylodictus olivaris: Flathead catfish
Calophysus macropterus: Spotted catfish
Leiarius marmoratus: Marbled catfish
Phractocephalus hemioliopterus: Red tailed catfish
Hypostomus plecostomus: Plecostomus
Erythrinus erythrinus: Electric eel
Esox masquinongy: Muskellunge
Synodus: Lizardfish
Scorpaenidae sp.: Scorpionfish
Dactylopterus volitans: Flying gurnard
Prionotus sp.: Sea robin
Morone sp.: Bass
Epinephelus sp.: Grouper
Epinephelus adscensionis: Rock hind

Epinephelus niveatus: Snowy grouper
Mycteroperca phenax: Scamp grouper
Rypticus saponaceus: Greater soapfish
Kuhlia mugil: Fivebar flagtail
Lepomis sp.: Sunfish
Pomoxis annularis: White crappie
Pomoxis nigromaculatus: Black crappie
Etheostoma nigrum: Johnny darter
Stizostedion vitreum: Walleye
Pristigenys alta: Short bigeye
Pterapogon kauderni: Banggai cardinalfish
Selene vomer: Lookdown
Lutjanus griseus: Grey snapper
Aplodinotus grunniens: Freshwater drum
Chaetodon capistratus: Four eyed butterflyfish
Chaetodon ocellatus: Spotfin butterflyfish
Chaetodon sedentarius: Reef butterflyfish
Cichlasoma severum: Banded cichlid
Embiotoca lateralis: Striped surfl perch
Chrysiptera parasema: Gold tail damselfish
Chrysiptera springeri: Springer’s damselfish
Hypsypops rubicundus: Garibaldi
Stegastes partitus: Bicolor damselfish
Cryptotomus roseus: Slender parrotfish
Salarias fasciatus: Jeweled rockskipper blenny
Ctenogobius sp.: Goby
Neogobius melanostomus: Round goby
Siganus doliatus: Barred spinefoot
Naso brevirostris: Shortnosed unicorn tang
Naso hexacanthus: Sleek unicorn tang
Naso vlamingii: Bignose unicorn tang
Bothus robusi: Twospot flounder
Acanthostracion quadricornis: Scrawled cowfish
Lactophrys triqueter: Smooth trunkfish
Canthigaster rostratus: Sharpnose puffer
Sphoeroides sp.: Puffer
Births/hatchings

_Haplochromis piceatus_: Lake Victoria cichlid

**Species status**

_Stegostoma fasciatum_: Zebra shark T  
_Scleropages formosus_: Asian arowana E*  
_Cyprinus carpio_: Carp T  
_Pterapogon kauderni Banggai_: cardinalfish E  
_Haplochromis piceatus_: Lake Victoria cichlid T  
_Cheilinus undulatus_: Giant tuskfish E*

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* = protected by the Convention on International Trade (CITES) in Endangered Species of Wild Fauna and Flora

2014 was an atypical year for the fish department at the Toledo Zoo. Since the Aquarium closed for renovations in 2012, most of the department’s staff had been reassigned to help in other areas. While the Aquarium was closed, the smaller staff maintained an off-site holding area that housed the approximately 25% of the fish that had been in the previous facility and would eventually move to the new Aquarium.

In the spring the quarantine tanks were established in the new Aquarium. These tanks would hold the new animals while they got acclimated to their new environment and their medical files were reviewed. During the summer months, exhibit tanks were installed and filled with water. In July, the first of the new animals started arriving, prompting staff to roll back into the department and workloads to increase. Throughout the rest of the year, many shipments of new animals arrived, including a reciprocal -yet incredibly generous- donation of four Blacktip reef sharks, a Zebra shark and a Leopard shark from the Shedd Aquarium, four Southern rays from the Columbus Zoo, a Zebra shark from the Georgia Aquarium and two Muskie and six Carp from the Ohio Department of Natural Resources London Fish Hatchery. In addition to those donations, the Toledo Zoo staff and Bowling Green State University students went on a collecting trip to Long Island which resulted in various marine species. To round out the new collection, commercial supplier shipments arrived in November and December. The new Aquarium was slated to open in spring of 2015.

While many of the animals in the previous Aquarium had already been shipped out to new homes, in 2014 we sent 12 Victorian cichlids to the Milwaukee County Zoo as part of the AZA’s Species Survival Plan.
INVERTEBRATES

New species

*Anthopleura xanthogrammica*: Giant green anemone
*Bunodosoma sp.*: Anemone
*Urticina sp.*: Anemone
*Metridium senile*: Clonal plumose anemone
*Corynactis californica*: Strawberry false coral
*Turbo sp.*: Channeled turban snail
*Strombus sp.*: Fighting conch
*Cypraea sp.*: Snakehead cowrie
*Charonia tritonis*: Pacific triton's trumpet
*Nassarius vibex*: Common eastern mud snail
*Fasciolariidae sp.*: Horse conch and tulip snail
*Pleuroloca gigantean*: Florida horse conch
*Limulus polyphemus*: Horseshoe crab
*Vaejovis spinigerus*: Arizona strip-tailed scorpion
*Labidognatha*: Spiders
*Olios*: Huntsman spider
*Pegurus pollicaris*: Thumb-claw hermit crab
*Libinia emarginata*: Short-clawed spider crab
*Deroplatys desiccata*: Malaysian dead-leaf mantis
*Hierodula membranacea*: Sri Lanka mantis
*Mantis*: Praying mantis
*Dineutus emarginatus*: Whirligig beetle
*Scutigeridae sp.*: House centipede
*Scutigera sp.*: Common centipede
*Scolopendra sp.*: Centipede
*Tosia sp.*: Sea star
*Dermaeterias imbricata*: Leather sea star
*Echinaster spinulosus*: Brown spiny sea star
*Pisaster ochraceus*: Ochre sea star
*Ophiolepsis superba*: Mosaic brittle star
*Lytechinus varieogatus*: Green pincushion urchin
*Echinometra sp.*: Black boring sea urchin

Births/hatchings

*Phyllium giganteum*: Giant leaf insect
*Acrophylla wuelfingi*: Queensland titan walkingstick
*Extatosoma tiaratum*: Giant prickly stick insect
*Deroplatys desiccata*: Malaysian dead-leaf mantis
*Heteropteryx dilatata*: Giant thorny walkingstick
*Xylotrupes gideon*: Elephant beetle

Seasonal Exhibits - in the Museum of Science

*Ascia monuste*: Great southern white butterfly
*Danaus gilippus*: Queen butterfly
*Danaus plexippus*: Monarch butterfly
*Dryas iulia*: Julia butterfly
*Heliconius charithonia*: Zebraying butterfly
*Anartia jatrophae*: White peacock butterfly
*Junonia coenia*: Buckeye butterfly
*Vanessa cardui*: Painted lady butterfly

Invertebrates, or animals lacking backbones, were on full display in the Museum of Science this year between the Crawlspace and the seasonal butterfly exhibit. The butterfly exhibit was part of our “Year of Flight” and was a Zoo-created indoor, free flight area where the beautiful winged creatures could flutter and fly while greeting and entertaining visitors. At the conclusion of the butterfly exhibit, 400 butterflies were sent to North Carolina Museum of Natural History and the Sophia Sachs Butterfly House in Chesterfield, Missouri.

Another notable success was the raising of 24 Giant leaf insects. Once the insects were mature enough to travel, they were shipped to the Audubon Zoo in New Orleans and Disney’s Animal Kingdom.

As is common in the trading of zoo animals, when something goes out, something new can come in. In July, after closing their invertebrate exhibit, the National Zoo donated more than two dozen Madagascar orb weaver spiders. The spiders are on display in the Museum of Science and are adapting nicely to their new home.
In 2014, the Toledo Zoo had two main conservation goals: become more community-minded and focus on local conservation efforts. With that in mind, Wild Toledo, the local conservation branch of the Toledo Zoo, has worked very hard on their native prairie initiative. The establishment of native prairies, or the re-introduction of wildflowers, grasses, and plants that were native to the area before European settlement, is helping to restore a balanced natural community and ecosystem services. The prairies are created from a custom-made seed mixture of annuals and perennials that are designed to be more beautiful each successive year. Installations began in 2013 on mowed grass lots at the Toledo Zoo and Anthony Wayne Trail (AWT) median. Based on the success of these projects, prairie installations were expanded in 2014 to include a vacant lot owned by Toledo Public Schools, a mowed grass area owned by the Village of Ottawa Hills, the new Rudolph-Libbe Solar array and two additional acres of AWT median. All management and evaluations of prairies are performed by Wild Toledo. Biologists with Wild Toledo monitor vegetation, invertebrates, birds and mammals throughout the season in order to understand how urban prairies affect biodiversity and to hone their restoration methodology.

The water crisis of the summer brought the need for such efforts to the forefront as one of the many causes of the water pollution was the amount of harmful chemicals (pesticides and automotive fluids) entering the rivers and Lake Erie from rainwater run-off. The planting of native prairies provides more acreage for absorption of rainwater, thus reducing the amount of pollution entering our waterways. The prairies also increase plant diversity and pollinator populations while decreasing labor costs and carbon dioxide emissions from mowing and maintenance equipment.

Additional Wild Toledo projects included monarch butterfly conservation and education activities that coincided with our “Year of Flight.” The population of the beautiful orange and black creature is gravely threatened by both agricultural and residential development. The Zoo is helping to increase local habitat and educate the community about the plight of the monarch. Beyond the education programming, Wild Toledo also instituted a captive rearing program, with some of these monarchs on display in Nature’s Neighborhood. In 2014, approximately three generations of monarchs were raised here at the Zoo with the last generation tagged with a three letter and three number identifications and released for migration. The release of the 214 last generation monarchs for migration was witnessed by Zoo visitors and donors. The goal is to continue to expand efforts in 2015.

Another locally based conservation project supports hellbender salamanders, a species native to Ohio. This year, Wild Toledo received funds from the Ohio Department of Wildlife to construct a modular hellbender facility. The modular building was placed on the grounds of the Toledo Zoo and will serve as a center for the rearing of captive hellbenders which will ultimately be released back into the wild. The Toledo Zoo is a member of the Ohio Hellbender Partnership and is the largest contributor of head-started hellbenders in the state.

Besides helping local salamanders, Wild Toledo is also assisting local turtles through their research projects at Oak Openings Preserve Metropark and Cedar Point Wildlife Refuge. The biologists are continuing to mark and monitor turtles to determine population status and identify critical habitat.

In addition to these community efforts, Wild Toledo is busy on the Toledo Zoo property too. During 2014, they conducted on-grounds surveys of native amphibians, reptiles, small mammals and butterflies with grant funding from the Kenneth A. Scott Foundation. They are also monitoring and managing mesopredator populations on grounds. Mesopredators are medium-sized predators, such as raccoons, opossums and skunks whose populations often increase when their larger predators are eliminated. Wild Toledo staffers and the Zoo’s veterinary department are monitoring, tracking, vaccinating and sterilizing the on-grounds mesopredators in an effort to protect our animal collection, neighborhood pets and to prevent the transmission of pathogens.

Wild Toledo conservation efforts are just that, helping to keep our community healthy, happy and wild!

Total External Funding Awarded to Wild Toledo/Conservation in 2014: $176,027.
The Toledo Zoo conservation staff serves two main focuses, global conservation efforts and local initiatives. Peter Tolson, director of conservation and research, details the global efforts.

In 2014, the department entered a new phase of butterfly conservation. The abrupt loss of thousands of wild endangered Karner blue butterflies in Michigan brought a suspension of our captive rearing in Ohio. We spent the season aiding biologists from the Michigan Department of Natural Resources in their survey of the remaining populations in the Allegan State Game Area, Allegan, Michigan.

Fortunately, Michigan populations of the endangered Mitchell’s satyr butterfly fared much better in 2014. A new greenhouse was constructed for conservation breeding of satyrs that will be reintroduced into northern Indiana in 2016.

West Indian boa conservation efforts continued in 2014, as the Toledo Zoo received federal permits to capture and breed boas from a highly jeopardized population in Río Grande, Puerto Rico.

Work also continued with the U.S. Navy in collecting reproductive data for the population of Cuban boas on Naval Station Guantánamo Bay, Cuba in order to develop a management plan for this charismatic snake.
2014 was a record year for the Education Department. 804 students participated in the increasingly popular Safari Summer Camps. Additional camps offered during Christmas and spring break also saw increased attendance.

2014 was the pilot year for Adult Snoozes, a program in which adults can spend the night at the Zoo in a tent on the Africa! Overlook and accompany a night keeper on rounds, participate in a giraffe feed and enrichment activities for the elephants and hippos. The participants are fed two meals prepared by our catering staff along with late night snacks and an incredibly unique zoo experience. The experience has really caught on and has been continued and expanded in 2015.

2014 also saw the re-vamping of our behind-the-scenes tours. The offerings were expanded from a handful each week to 40. The expansion helped to spark record attendance of these tours with 1,175 participants.

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This was also the first year that Education provided activities every night of Lights Before Christmas. In the past, activities were available on select nights only. This increase also helped to set record attendance at our holiday light display.

On Wednesday, October 29, the Education Department hosted a climate change symposium in the Indoor Theatre of the Museum of Science. This event brought some of the area’s foremost experts in the fields of climate change, conservation and water quality to the Zoo. They were able to lecture and answer questions in person and through distance learning connections to over 400 area teachers, students and community members. One of the symposium highlights was a live video conference with Polar Bear International researchers in Churchill, Manitoba, Canada, one of the few places in the world where polar bears still roam in the wild.
Additionally, the Education Department participated in a program funded through a National Science Foundation grant awarded to Bowling Green State University. The funding allowed Education Department staff to install pollinator gardens at several Sandusky area elementary schools to expose third grade students to citizen science activities as part of their classroom instruction. Trained teachers and students monitored bumble bees and butterflies that visited their gardens. Students downloaded their findings to citizen science web sites, allowing researchers to compare the data with observations made by students and citizens in other regions of the United States and Canada. The end result was citizen science projects for the students that gave them hands-on experience in conservation and the natural world.

The Toledo Zoo’s Education team also traveled to local libraries to teach young people and families about the amazing natural world. The programs featured live, touchable animals, along with biological artifacts from the Zoo. Topics covered included, native animals, animal coverings, zoo careers and animal adaptions.

The Education Department at the Toledo Zoo plays a vital role in bringing our mission to life in the community.
COMPANIES for KIDS

Companies for Kids is a corporate membership program that provides funds to cover the cost of visits to the Zoo for disadvantaged and disabled children. The only stipulation is a thank you letter from the children in return for their trip. These letters are some of the most heart-warming affirmations of the importance of this program.

The generosity of the following companies in 2014 enabled 3,844 children to experience the Zoo in a way they might otherwise have never known. Companies for Kids is one of the many ways that we, along with our partners, are living out our mission of inspiring others to join in caring for animals and conserving the natural world.

In addition to funding trips, Companies for Kids also supports the Zoo’s educational programming, outreach, animal demonstrations and Discovery Boxes.

We thank you for your investment in and support of our children’s futures.

Herd of Elephants
O-I
Yellow Book

School of Hippos
The Andersons
Heidtman Steel Products, Inc.
YP.com

Family of Gorillas
Buckeye CableSystem
Eastman & Smith Ltd.
La-Z-Boy Foundation
Prasad Family Foundation, Inc.

Pride of Lions
Betco Corporation
Ernst & Young
Health Care REIT, Inc.
Hoover Wells, Inc.
Kwest Group LLC
Proservice Machine, Ltd.
Shumaker, Loop & Kendrick, LLP
Taylor Automotive Family
Toledo Club Foundation
Toledo Refining Company
Toledo Rotary Club
Welded Construction

Pack of Wolves
Brooks Insurance Agency, Inc.
Complete Refrigeration LLC
Electronic Concepts & Engineering Inc
Fifth Third Bank
I.B.E.W. Local Union No. 8
Impact Products LLC
Internet Payment Exchange Inc
Jer Machine, Inc.
Mail It Corporation
Palmer Energy Company, Inc.
Phoenix Technologies International, LLC
Real Quality Services, Inc.
S.A. Storer & Sons Co.
Signature Bank, N.A.
Toledo Tarp Service
Tri-State Expedited Services
TTI Maumee Equipment, Inc.
UAW Local 2021
Universal Marketing Group LLC
Waterford Bank

Flock of Penguins
Bar 145
Bennett Enterprises
Binkelman Corporation
Carpenters Local Union 351
Clamps Inc.
Connelly, Jackson & Collier LLP
dimech services, inc.
Duffey Concrete Cutting, Inc.
Franklin Park Lincoln, Inc.
Heritage Planners
Hylant
JDRM Engineering, Inc.
Jones & Henry Engineers, Ltd.
Kuhlman Corporation
Lafferty, Gallagher & Scott, LLC
Lee Terry Holdings, LLC
Mary Ellen Pisanelli
OmniSource Corporation
Rayner, Foos, Kruse & Irwin CPAs
Savage Mortgage Services, Ltd.
Sperling Heating & Ventilating Company, Inc.
Toledo Engineering Co., Inc.
UAW Local 2075
Wadsworth Solutions
Weber & Sterling, LLC
Wilkinson FundRaising Imprinted Sportswear
William Vaughan Company
Williams Industrial Services, Inc.
I sincerely want to thank you and your company for the donation that was made to our school. 100 kindergartners and their chaperones from Madison Elementary School had a chance to visit the Toledo Zoo on June 5th, mainly because of your participation in the Companies for Kids program. For many of the students, this was their first time to visit the zoo. They were very excited and when they returned to school they began writing about their visit and drew pictures of the animals. We are very grateful for companies like yours that sponsor zoo tickets. We had just completed a literacy unit about wild animals and the zoo trip really helped make our lesson plans come alive! So once again, on behalf of our students, staff and their parents who helped chaperone, we send you many, many thanks!

~ Madison Elementary School
Kindergarten
Adrian, MI.
The “Year of Flight” was an event-full year at the Toledo Zoo. The Zoo offers events for all seasons, all ages and even themed for holidays. Some events are included in the price of admission, while others have an additional fee. All are part of what makes the Toledo Zoo one of the nation’s premier Zoo experiences.

This year the Zoo came alive early in the winter for Spring Alive: Fairy Tales, Fables & Flowers. This new enchanted event was free with regular Zoo admission and was sponsored by Fifth Third Bank. For four days, Nairobi Pavilion became a story book garden with thousands of flowers bringing beloved childhood stories into bloom. Toledo-area landscape companies, garden centers, college groups and designers from as far away as New York City created the expansive themed floral displays that paid tribute to Peter Pan, Hansel & Gretel, Sleeping Beauty and more cherished family favorites. The event also included gardening demonstrations, kitchen gardening/cooking sessions, children’s story times and live harp performances. The adults even got into the fun with a themed wine tasting. This fun-filled festival offered a summery getaway during chilly winter days.

The family fun continued with the annual Teddy Bear Care Fair. Teddy bear check-ups are just the start of this day’s fun. Animal demonstrations, keeper talks and more made the day complete. Zoo staff was on grounds to talk about the first-rate care they provide the animals and answer visitor questions.

The beginning of April saw the fun of flight spread its wings all across the Zoo with Soar & Explore. This two-day event featured master kite flying demonstrations in Africal, origami demonstrations, a flight simulator from Toledo Public Schools Aviation School, remote control airplane displays, bird and spider feeds, raptor demonstrations and Fizz Bang Boom the Magic of Flight presented by Zap Entertainment. Imagination Station also helped visitors discover the four forces of flight: lift, drag, thrust and gravity.

New this year was Breakfast with the Bunny sponsored by Meijer. The day started with early entry to the Zoo for a children’s special egg hunt on Zoo grounds, followed by family-friendly crafts and – of course – a photographed visit with the bunny. Participants then gathered at the Lodge for a chef-designed breakfast buffet.

To help our visitors with their spring cleaning and to celebrate Earth Day, the Zoo hosted its annual Party for the Planet. The community was invited to bring their recyclable goods, even hard to recycle items like computers and small appliances to the drop-off location in the Anthony Wayne Trail parking lot to help make the earth a little greener. This project was made possible through partnerships with Keep Toledo/Lucas County Beautiful, Lucas County Solid Waste Management District, Goodwill, Eco-Erek, TerraCycle and Recycle It USA.

We started off May with an ole! On May 4, we celebrated Cinco de Mayo with a traditional Mexican fiesta that included live dance troupe performances, music, a piñata and themed crafts.

The summer brought our Watch It Grow garden tours into full bloom. The Watch It Grow garden tour series was an opportunity to stroll through the Toledo Zoo’s beautiful gardens and see how they grow, bloom and change throughout the seasons. Zoo horticulturists highlighted different aspects of gardening each month, along with historical information about the Zoo’s gardens and grounds. This year 250 people participated in the tours.
The Zoo dedicated an entire day to the little creatures that creep, crawl, float and flutter during our Butterfly & Bug Fest. Children participated in buggy games, from harvesting and tasting honey to spider ball tournaments. The whole family enjoyed the Zoo’s Keeper Tales live animal show and story times.

Tuesdays in the summer/fall meant Senior Discovery Days sponsored by Health Care REIT. Our more experienced visitors received free admission and special themed events, from guided tours of Works Progress Administration (WPA)-era buildings to bingo and big band music. September 16 was a special Senior Safari day presented by The Toledo Zoo and the Area Office of Aging Northwestern Ohio that was all about seniors, including health screenings, exercise and safety tips along with Zoo admission.

Sunday, September 7 was Grandparents Day and Day of Honor. To recognize the grandest of parents, the Toledo Zoo gave free admission to grandparents – accompanied by at least one adorable grandchild. Day of Honor, sponsored by Mercy with support from Marathon, is the Zoo’s way of showing appreciation to all those who keep us safe. All military personnel, police officers, firefighters and EMTs received free Zoo admission when they showed their badge or professional ID. But that was just the start – visitors could sign giant thank-you cards for their communities’ first responders and check out cool emergency vehicles too!

The falling of leaves and dropping of temperatures brought the 30th anniversary of Pumpkin Path, sponsored by Meijer®. This day featured trick-or-treat stations throughout the Zoo, plus ghoulish games and Halloween hijinks. Little Boo at the Zoo (“Little Boo”) offered all the fun of Pumpkin Path on a smaller scale that was perfect for preschool poltergeists. The fun included trick-or-treating, a bounce house and more, that promised to delight – without the fright.

For almost 30 years the Toledo Zoo has been a holiday destination for our “electrical spectacle” Lights Before Christmas (LBC) presented by KeyBank. On Friday, November 14, the holiday season started with the ceremonial lighting of the Zoo’s 85-foot Norway spruce tree draped in more than 35,000 energy-saving LED lights, which Travelocity has named one of the best trees in the U.S.

This year, in addition to over a million lights and 200+ illuminated animal images, visitors could coast down a new outdoor ice slide that followed the natural slope of the Zoo’s historic Amphitheatre. Waiting at the base of the slide was a winter village featuring bonfires, ice carving, hot chocolate and live reindeer. Both the ice slide and winter village were sponsored by Taylor Automotive Family.

On Monday, December 1 visitors had the unique opportunity to blend two top-notch Toledo attractions: the Toledo Walleye and the Toledo Zoo as Walleye players coasted down the new ice slide, posed for photos and signed autographs with visitors.

Festive Feast returned for a second year during Lights Before Christmas. Visitors had the opportunity most Monday, Tuesday and Wednesday evenings of LBC to enjoy a holiday buffet served in the Zoo’s historic Lodge, which was lavishly transformed into a holiday chalet. Each Festive Feast also included crafts, an encounter with a Zoo animal, a photo with Santa and Lights Before Christmas admission.

The year came to a close with Noon Year’s Eve, sponsored by Meijer®. At the stroke of noon visitors watched the ball rise, sang a chorus of “Auld Lang Syne” and toasted the New Year with family-friendly, daytime fun!

We thank you for making this another great year full of fond memories, fun experiences and family time at your Toledo Zoo.
CAUSES/FUNDRAISERS

The Toledo Zoo is considered a non-profit entity. Therefore, we have a series of fundraisers each year to help ensure the success of our mission. These events not only raise funds for our operating budget and animal care but also invite the community to enjoy the many different facets of the Zoo and become an integral part of our Zoo family.

2014 fundraising by the numbers:
Once Upon a Vine: $30,000 with 105 participants
Dart Frog Dash: $43,000 with 2,100 participants
ZOOTO DO $240,000 with 1,800 participants
RockNRoar: $53,000 with 1,400 participants
Feast with the Beasts: $54,000 with 140 participants
Night in the Museum: $15,000 with 150 participants
Totals in 2014: $442,000 with 5,695 participants

Once Upon a Vine was a five course dinner and wine pairing that coincided with our Spring Alive activities. This event was a huge success selling out to the absolute maximum amount of people for the space in less than two weeks.

Dart Frog Dash - 2014 was the 10th year of this 5K race/walk and family fun run. It was also a record breaking year for attendance and revenue. This was the first year that a special donation opportunity was set up to raise funds to purchase fish for the Aquarium. This year saw 2,100 participants and raised $43,000.

ZOOTO DO- PNC ZOOTO DO presented by MassMutual Northwest Ohio is much more than one of the region’s premier social events. It’s a “party with a purpose,” with 100% of the net proceeds providing support for the continued development of the Zoo’s programs and exhibits. This year 1,800 guests celebrated the new Penguin Beach exhibit along with 56 restaurants & caterers. While this fundraiser is enjoyed by all of the 21 and over crowd, in recent years the population of young professionals and millennials at the event has increased dramatically, signaling the start of the next generation of donors. PNC ZOOTO DO helps ensure that children of all ages can enjoy one of the region’s historic treasures for generations to come.

RockNRoar was the summer’s wildest dance party, presented by The Andersons. East River Drive and Rock Candy 419, provided live music, while a disc jockey from Sounds of Music kept people on their feet dancing on the Africa Overlook. This night of endless summer fun and tunes raised $53,000 to support the Zoo’s mission of inspiring others to care for animals and conserve the natural world.

Feast with the Beasts is a four course dinner and wine pairing created especially by our executive chef. This event is in its 11th year and has been growing in popularity each year. This year, even bad weather could not deter the sell-out crowd of 140 guests. This year was also a record year for the auction held during the event.

Night in the Museum proudly sponsored by Taylor Automotive Family was a new event for 2014. It was an exclusive after-hours event that took guests on a tour through time at the Zoo, from the historical buildings and seemingly long forgotten artifacts to current exhibits and plans for the future. To make the event even more thematically special, traditional Zoo food favorites got a gourmet twist! This event entertained 150 guests and raised $15,000. Based on customer feedback, this event will be added to our annual rotation.
The Toledo Zoo would like to extend a special “thank-you” to the members of the Silverback Society. They have generously provided for the future of The Toledo Zoo by designating the Zoo as a beneficiary of a bequest, life insurance policy, trust and/or annuity.

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Lucinda and Fred Redmann
Melissa and Hugh Richberg
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The Seearles Family Foundation
Sharon Simmons and Ron Coffman
Marc and Terry Stockwell
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Olivia and Eric Summons
Mrs. Christine Turnbull

Up to $4,999
Anonymous (10)
Dr. Cecelia M. Adams Ph.D.
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Mr. and Mrs. Matthew C. Anderson
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Area Office on Aging
In Honor of Billie Johnson
Mr. and Mrs. John W. Bachey
Jim and Sue Bagdonas
Mr. and Mrs. Thomas J. Bamburoski
Mr. James C. Baratta
Mr. and Mrs. Lester Barber
Mr. and Mrs. Stephen Bazeley
Ms. Julie A. Beckert
Ms. Anita Beilhart
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Mr. and Mrs. Lawrence J. Burns
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Gordon Capshaw & Catherine Hoolahan
Ms. Constance Carroll
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Ms. Deborah Chapman
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Mr. and Mrs. Ronald L. Fricke
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Megan Manahan and Russ Hurford
Dr. and Mrs. Timothy M. Husted
Drs. James and Jeanine Huttnner
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Ms. Sandy Isenberg
Mr. Paul Jacyk
Becky Johnson
Mr. and Mrs. John C. Jones
The Honorable and Mrs. David A. Katz
Mr. and Mrs. Jim Keeler
Mrs. Rita Barbour Kern
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Mr. and Mrs. David P. Koenig
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Mr. and Mrs. Harley J. Kripke
Mr. and Mrs. Ralph C. Kunze
Ms. Lucy Lambert
Ms. Marcia A. Langenderfer
Congressman Bob Latta and
Dr. Marcia Sloan Latta
Mr. and Mrs. David J. Ledrick
Mr. Gerald Lemieux and
Mrs. Carolyn Tanzville-Lemieux
Lewandowski Engineers
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Mr. Anthony J. Lyons
Mr. and Mrs. Leonard Madoff
Mr. and Mrs. Mitchell L. Magdich
Mr. and Mrs. Lloyd Mahaffey
Mr. and Mrs. Thomas C. Manders
Christopher Martin
Miss Tiffany Massey and Ms. Su Massey
Mr. and Mrs. Robert L. Maxwell
Dr. and Mrs. Patrick McCormick
Heather and Bill McDonnell
Mr. and Mrs. Mark D. McLaren
Kevin McQueen
Medical Mutual of Ohio
Mr. Frank S. Merritt
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Mr. and Mrs. Jim Miller
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Ms. Gina K. Moesser
Mr. and Mrs. Christopher M. Mohler, M.D.
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Ms. Elizabeth Stykemain
Ms. Doris L. Morris
Ms. Mary Ann Mueller
Susan Hartman Muska and
Nicholas Muska
Nancy K. Nielsen
Drs. Latif and Soad Nimr
Through Toledo Community Foundation
Andi Norman and Christopher Dudek
Mr. and Mrs. John M. O’Neil
Ms. Dorothy Otis
Mr. and Mrs. Douglas A. Ott
Mr. and Mrs. Chris Otteney
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Ms. Patricia Packo and Ms. Cathy Packo
Mr. and Mrs. Thomas W. Palmer
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Mr. and Mrs. Arvind Patel
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Mr. and Mrs. Thomas F. Pounds
Mr. David J. Rasik
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Mr. and Mrs. Mark Rediger
Mr. and Mrs. Timothy Reed
Mr. Robert F. Reichert
Mr. and Mrs. Robert D. Remy
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Mr. and Mrs. Marvin Robon
Mr. and Mrs. Brian Ruen
Ms. Cynthia Rulason
Patricia J. Rumer
Mr. and Mrs. Bruce F. Rumpf
Mr. and Mrs. Sean G. Rupp
Dr. Elizabeth S. Ruppert
Mr. and Mrs. Paul Schlatter
Mr. Dennis Schmedlen
Mr. and Mrs. Dennis Schnurbusch
Mr. Pete Scully and Dr. Sue Parkins
Dale Sinkovic and Michael Dorn
Mr. and Mrs. A. Jackson Smith
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Carter Smith
Mr. and Mrs. Clarence R. Smith, Jr.
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Mr. and Mrs. Joseph Spallina
Ms. Barbara Steele and Mr. Alan Kimple
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Mr. and Mrs. Eric J. Stockard
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Mr. and Mrs. Ronald Thompson
Yvonne E. Thompson
Mrs. Rose Thomson
Dr. and Mrs. Warren S. Tipton
Toledo Zoo Local Union
Mr. and Mrs. Peter J. Tolson
Mr. Louis E. Tosi
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Mr. and Mrs. Philip Wolf
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Woman’s Educational Club, Inc.
Mr. and Mrs. Frederick L. Yocum
    Through Toledo Community Foundation
Mr. and Mrs. David L. Zack
Mr. and Mrs. Joseph H. Zerbey IV
Mrs. and Mr. Carol J. Zielinski
Mr. and Mrs. Roger K. Zimmerman
Mr. and Mrs. Jacob W. Zindel
Mr. and Mrs. Fred Zoeller
Mr. and Mrs. Stanley M. Zupnick

Capital donations continued
Grants

Grants provide The Toledo Zoo with the additional funding needed to develop or expand educational programming, support important conservation initiatives and enhance community outreach.

The Zoo gratefully acknowledges grants received in 2014 through the generosity of the following organizations and individuals.

Conservation

**Nellie F. Bash Charities Foundation**
Purchase of a van to transport ZooTeen volunteers to and from community conservation projects

**Access Midstream**
Construction of an off-site modular Hellbender facility

**The Nature Conservancy**
Spatial ecology of spotted and Blanding’s turtles and evaluation of amphibian indices of biological integrity at selected locations

**Ohio Division of Wildlife**
Assessment of predicted Karner Blue Butterfly habitat

**Ohio Division of Wildlife**
Construction of a modular Hellbender rearing facility

**United States Fish and Wildlife Service**
Reptile and amphibian survey of Ottawa and Cedar Point Wildlife Refuge

**United States Fish and Wildlife Service**
Mitchell’s satyr captive breeding program

Education

**Susan Conda**
Animal programming for children in Nature’s Neighborhood

**PNC Foundation**
Development of natural areas and curriculum for experiential programs for three Head Start schools

Foundation

**The Toledo Zoological Society Foundation** acquires, invests and distributes endowment funds to secure the long-term future of the Zoo, including its animal collections, education and conservation programs, magnificent gardens and historic Works Progress Administration-era buildings.

The 2014 Zoo Foundation distribution was designated for construction of the Penguin Beach exhibit, renovation of the Aquarium and bringing flamingos to the Toledo Zoo.

For more information about the Toledo Zoological Society Foundation or ways that you can contribute to the endowment, please contact The Toledo Zoo at (419) 385-5721.

**Foundation Board**

Joseph H. Zerbey IV, chairman
Marna Ramnath, vice chair
Mary C. Fedderke, president
Bonnie Rankin, secretary
Richard W. Heck, treasurer

Thomas A. Baither
Judith Conda
Elizabeth Foley
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Garrick P. Johnson
Douglas Kearns
Norma King
Megan M. Manahan
Ann Sanford
Luis Santiago
Eric J. Stockard
Marc Stockwell
Hon. Jack Zouhary

Foundation Gifts

The Toledo Zoo gratefully acknowledges those individuals whose generous gifts to the Foundation in 2014 will help ensure that the Toledo Zoo continues to provide high quality animal care and conservation, while delighting and educating our visitors for generations to come.

Michael J. Anderson
Abel Applebaum
Through Toledo Community Foundation
Joel S. and Linda Beren
Guillermo Bernal
For Elephant Care in Honor of Bill Dennler
Gertrude A. Pagels Trust
PNC
Estate of Carolyn Jean Rhodes
Truist
Wal-mart Foundation
Tom Scott Ziems
Memorial Gifts to the Foundation

Gifts in tribute are not only a source of support for the future of the Toledo Zoo, but are also a wonderful way to honor the memory of a friend or relative or to pay tribute to significant dates, achievements or accomplishments. The Toledo Zoo wishes to acknowledge the individuals who were honored through a tribute gift in 2014.

In Loving Memory of
Robert A. Adams
Pheba A. Becker
Fred Bollin
Floyd Braun
James Bucher
Suzanne K Buzza
Sam and Alice Carson
James Fallon
Patricia Fravel
Barry Gidley
Tim Hyma
Phyllis K. Johnson
Betty E. Jones
Jenny Keim
Ronald Klein
Alice Lee
Charles “Bill” Loeb
Art Mabrey
Herb Metzger
Kerry Myers
Mary Orban
Donald Osborne
Colin Perry
Bruce Piasecki
Marjory Schick
Jeffrey Schmenk
Dorothy and Dan Sceavnicki
Olan D. Snively
Judith Spross
Sharon Lee Thomas
Samuel Thomas
Anna Louise Tucker
Barbara Vaughan
Marcella Amanda Wieczorek
Corey Wordelman
Rose Zbierajewski

In Honor Of
The Haney-Addis Marriage
Mr. and Mrs. Gerace Wedding
Marilyn Hazard who loves giraffes
The Huffman Family
Barbara Steele

Happy Birthday
Dr Robert Finkel - 75th
Trina McGivern - 50th
James Moser
Lily Parker
Jean Sites

Happy Holidays
Lynn Lyons
Tony Lyons
Eileen Weithman

Thank You
Thanks Mike & Chuck
Thanks Brittany Rizzo
Volunteers

The Toledo Zoo relies on a dedicated corps of 700+ volunteers who give more than 60,000 hours to the Zoo each year. Volunteers fall into multiple categories: ZooEds, Exhibit Guides, Department Volunteers, Interns, Special Event Volunteers, Development Committee Members and ZOOTeens. ZooEds are year round, adult volunteers that can be identified by their red polo shirts. They are considered our jacks-of-all trades as they work on grounds to talk about exhibits and take live animals to meet visitors, but they also support our outreach programs by visiting area schools, nursing homes and hospitals and doing behind-the-scenes work. Exhibit Guides are also educationally focused volunteers. Distinguishable by their light blue polo shirts, these seasonal volunteers are trained to speak to visitors about specific areas and exhibits of the Zoo. Department volunteers assist staff in behind the scenes areas, including offices and our greenhouse. Interns provide support in a range of departments, as they gain valuable hands-on career experience. Special event volunteers help with fundraisers, concerts and other periodic needs throughout the year. Development Committee members work throughout the year planning and implementing the events and activities that help generate revenue for the Zoo and support our organization. The final group is ZOOTeens. This is a volunteer corps of over 350 students aged 13-17 that wear bright yellow t-shirts to help them stand out and be approachable. This group works on and off grounds in support of our mission, all the while learning leadership, networking, time management and other life skills. Without all of our volunteers, the Zoo could not function. We applaud your efforts, appreciate your time and look forward to working with you in the future!

Each year, the Zoo recognizes its top volunteers of the year in four categories: Departmental, Development, Zoo-Ed and ZOOTeen. The 2014 recipients were:

The top Departmental volunteer of 2014 is Sylvia Washburn of Maumee. Sylvia has been a volunteer since 2012 in the Zoo’s horticultural department, helping to keep the grounds in beautiful shape and leading occasional public tours through the historic gardens.

The top Development volunteer of 2014 is Julie Payeff of Oregon. Since 2012, Julie’s efforts with Zoo development projects have generated extra enthusiasm and creativity to key fundraising initiatives, from Dart Frog Dash and Night in the Museum to corporate partnerships in the community.

The top Zoo-Ed (Zoo Educator) volunteers of 2014 are Tim Birthisel of Perrysburg and Jim Kinnear of Toledo. Tim started volunteering in 1991 and has donated more than 5,000 hours of service to the Zoo, from on-grounds tours of historic buildings to late-night shifts for elephant births. Jim has been a Zoo-Ed since 2006, spending countless hours in the Reptile House, Amazing Amphibians exhibit and animal outreach programs.

The top ZOOTeen volunteers of 2014 are 16-year-old Isaac Holley of Toledo and 17-year-old Jess Keller of Waterville. Isaac, son of Shawn and Cynthia Holley, joined the Zoo in 2012 and has grown to become a trusted volunteer for Zoo Snoozes and a youth mentoring program. Jess, daughter of Tony and Kimberly Keller, has volunteered since 2010, working meticulously in the education, outreach and leadership programs.

“Volunteers are a big part of the Toledo Zoo’s world-class status,” Bill Davis, manager of the Zoo’s volunteer programs, said. “We are grateful for all our volunteers’ generosity and hard work.” To learn more about the Zoo’s volunteer programs, visit toledozoo.org.
Employees

The Toledo Zoo employs a dedicated staff that keeps all aspects of the Zoo, from animal exhibits and concessions to technology and grounds, running efficiently and effectively. We could not be the world class destination that we are without the hard work of our employees. We thank you for your service and truly appreciate all that you do.

10 years of service
Kristin Brooks
Benjamin Whitebread

In 2014, the Zoo relied on:
179 full-time employees and
818 part-time employees

People

Glenous Favata, longtime registrar at the Toledo Zoo, retired on June 30 after 45 years of full-time service.

“Glenous has been a major force in the success of the Toledo Zoo for more than four decades. Her contributions to both this Zoo and our profession as a whole cannot be overstated,” Jeff Sailer, executive director of the Toledo Zoo, said. “I have enjoyed working with her and she will be greatly missed.”

As a Zoo registrar, Favata worked with keepers and curators to track all the animals that are born or hatched at the Zoo, animals that arrive at or leave the Zoo, along with the animals’ training sessions and veterinary procedures. Registrars also manage zoos’ extensive permits, regulations and laws on local, state and federal levels. With 6,000+ animals and more than 40 endangered species living at the Toledo Zoo, maintaining these accurate records is a key part of excellent animal care.

“Working at the Toledo Zoo has been a truly rewarding experience,” Favata said. “Over all these years I have seen lots of changes and have been privileged to work closely with the animals, staff and guests. Thanks for the memories!”
VISITORS

At the Toledo Zoo, we strive to make the visitor experience the best possible quality. We want you to enjoy all of our animals but also learn about their habitats, species and status in the world. Our exhibits are set up to cater to the animals’ needs but also to optimize visitor viewing. We are committed to current visitors but also strive to continue the experience for generations to come through our conservation initiatives and fundraisers. The Zoo is not just an entertainment source, we are also an educational and cultural center as well as an integral part of the community. We truly believe in sharing our successes with everyone who helped achieve them. We thank you for your patronage and support and look forward to more fun events and experiences in the future.

Visitor Attendance for 2014

**Lights Before Christmas**
TOTAL: 206,937 - new record
*broke previous record by 27,670 visitors*

**Adult Events**
Wine Tastings: 697
ZooBrew: 432

**Live Nation Concert Series**
Ringo Starr: 4,299
Little Big Town: 4,270
Sarah McLachlan: 1,837
Gavin DeGraw: 1,860
Willie Nelson & Alison Krauss: 4,292
John Fogerty: 2,834
Avett Brothers: 3,524
Moody Blues: 2,580
TOTAL: 25,496

**Music Under the Stars**
TOTAL: 10,354

**Watch It Grow garden tours**
TOTAL: 250

**Rehearsal Dinners**
12 couples
468 visitors

**Weddings**
44 couples
7,413 visitors

**Awards**
Voted #1 Zoo in the United States by USA Today 10Best Readers’ Choice Awards Contest
Voted FamilyFun magazine’s #2 zoo and aquarium and #8 best kid-friendly locations/vacation spots
Winner of 2015 Best of the Knot
Recipient of the Couple’s Choice 2015 Wedding Wire

**New this year**
ProMedica Day in August – 1st event of its kind
Wild Night – stayed open late to enjoy animals and Music Under the Stars
Flamingo marketing campaign – hundreds of strategically placed flamingos took over the city in anticipation of opening weekend for the “Year of Flight.”
Breakfast with the Bunny – sell-out crowd
Princess Tea at the Garden show – sold out both seatings
Ice Slide at Lights Before Christmas

**Busiest day:** August 10 with 18,242 - “largest single day in history of Zoo”
**Busiest week:** Monday, December 22 - Sunday, December 28 with 44,910 (closed Christmas)
**Busiest month:** December with 170,676
### 2014 Revenue

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Park Operations*</td>
<td>13,173,039</td>
<td>51.2%</td>
</tr>
<tr>
<td>Lucas County Tax Levy</td>
<td>5,733,710</td>
<td>22.3%</td>
</tr>
<tr>
<td>Memberships &amp; Development</td>
<td>4,438,107</td>
<td>17.3%</td>
</tr>
<tr>
<td>Contributions, Education &amp; Special Events**</td>
<td>2,140,068</td>
<td>8.3%</td>
</tr>
<tr>
<td>Miscellaneous***</td>
<td>239,113</td>
<td>0.9%</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td><strong>25,724,037</strong></td>
<td><strong>100.0%</strong></td>
</tr>
</tbody>
</table>

*Park operations include admissions, concessions, gifts, catering, parking and rides revenue

**Contributions, Education & Special events include Zoo PAL, Companies for Kids, the Annual Fund, ZOOtoDO, Corporate Sponsorship, Educational Programs, Special Gifts and funds from the Zoo Foundation. Some of the funds included in this line are reported differently on our audited financial statements due to being either board-designated, temporarily restricted or permanently restricted receipts.

***Miscellaneous revenue includes investment income, grants and other revenues.

### 2014 Expenditures

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Care, Education, Conservation, &amp; Facilities</td>
<td>10,888,818</td>
<td>44.3%</td>
</tr>
<tr>
<td>Visitor Services &amp; amenities</td>
<td>8,273,369</td>
<td>33.7%</td>
</tr>
<tr>
<td>Administration, Membership, Marketing &amp; Development</td>
<td>3,288,034</td>
<td>13.4%</td>
</tr>
<tr>
<td>Utilities, Insurance &amp; Taxes</td>
<td>2,110,913</td>
<td>8.6%</td>
</tr>
<tr>
<td><strong>Total Expenditures</strong></td>
<td><strong>24,561,134</strong></td>
<td><strong>100.0%</strong></td>
</tr>
</tbody>
</table>

**Net Excess (Deficit)**: 1,162,903

Note: Consistent with prior years, depreciation expense is not included in the above figures but capital expenses of $392,655 that were paid from operations are included.

Cost of goods sold is included in Visitor Services expenditures.

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Since 1983, its first full year as a private nonprofit organization, the Zoo has reduced its reliance on public levy support by 40 percent.

The Toledo Zoo has earned the Better Business Bureau's highest rating for charitable accountability. This A+ rating reflects the Bureau's analysis of the Zoo's performance against 20 standards of charitable accountability in four categories: governance and oversight, measuring effectiveness, finances and fundraising/informational materials.