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THE PRIDE OF BUFFALO

2016 ANNUAL REPORT



Zoological Society of Buffalo, Inc.

MISSION STATEMENT

The Buffalo Zoo promotes wildlife conservation through up-close animal encounters, engaging educational experiences, and participation in regional and international programs for endangered species.

VISION STATEMENT

The Buffalo Zoo will be a regional leader in inspiring visitors to respect, protect, and restore natural habitats for wildlife.

Zoo Attendance	
2016	538,100
2015	485,377
2014	460,253
2013	511,884
2012	455,283
2011	411,194
2010	423,887

FROM THE PRESIDENT

Donna M. Fernandes, Ph.D.

The Buffalo Zoo in 2016 can be summed up in four words – the Pride of Buffalo. Not only did we celebrate the first lion cubs born in Buffalo in 25 years, but the Zoo attracted a record 538,100 visitors. This led to a terrific bottom line with admissions revenue up 25% and food service up 19% from the previous year. We took great pride in receiving accreditation for another five years from the Association of Zoos and Aquariums (AZA) for the eighth consecutive time. During our site inspection, the Visiting Committee was very complimentary about the Zoo's new exhibits, graphics, conservation and education programs, and our overall cleanliness and appearance. Other notable achievements in 2016 included a Brick by Brick award from Business First for Best Green Construction for the Arctic Edge exhibit and a Regional Asset Award from the Amherst Chamber of Commerce. We were also honored to host the Otter Keeper Workshop in October, bringing in 80 participants from around the country to focus on otter husbandry and conservation.





Blue-crowned motmot
(hatched 2016)



California sea lion
(acquired 2016)



Common vampire bat
(born 2016)

ANIMAL COLLECTION AND INVENTORY

Species born or hatched in 2016

African lion, Blue-crowned motmot, Chinese three-striped box turtle, common vampire bat, tammar wallaby, mission golden-eyed tree frog, North American river otter, ocelot, prehensile-tailed skink, Puerto Rican crested toad, red-rumped agouti, spotted hyena, spotted turtle, western lowland gorilla

Species or specimens acquired in 2016

Arctic fox, california sea lion, eastern collared lizard, great horned owl, Himalayan Impeyan pheasant, Holland lop rabbit, polar bear, red panda, reindeer

Species removed from the collection in 2016

American Dutch rabbit, desert iguana, fulvous whistling duck, giant African millipede, golden pheasant, Lady Amherst's pheasant, gray wolf, Morafka's desert tortoise, black tree monitor, reticulate gila monster, Sulawesi crested macaque

	2016 Species / Specimens
Mammals	55/209
Birds	39/107
Reptiles	45/136
Amphibians	13/236
Fish	6/319*
Invertebrates	5/259*
TOTALS	163/1,266*

All species and specimens physically at the Buffalo Zoo are counted.

Counts indicated by * are estimated.

ANIMAL/VETERINARY

Although our pride of lions took center stage among our captive breeding successes, we also celebrated the births of a male gorilla, an ocelot, a pair of otter pups, an agouti, several vampire bats, and a tammar wallaby. Hatchings in 2016 included blue-crowned mot mot, prehensile-tailed skink, Chinese three-striped box turtle, Amazon milk frogs and 3200 Puerto Rican crested toads, which were transported back to Puerto Rico for reintroduction. Other collection changes included receiving a pair of Himalayan Impeyan pheasants, four Arctic fox to replace the grey wolves in Arctic Edge, polar bear Sakari as Luna's new mate, sea lions Jesse and Pokie for Sea Lion Cove, male reindeer Apollo, and Scout, our new red panda.

The Buffalo Zoo was an active participant in numerous research projects in 2016. We continued to collect fecal samples from Luna (and now Sakari) as part of a project to study sexual maturity in polar bears. Behavioral research was conducted on western lowland gorillas, Sulawesi crested macaques, various feline species (lion, tiger, ocelot, snow leopard and lynx), Australian parrots, vampire bats, giraffe, and eastern hellbender. Biological samples were provided for research on prehensile-tailed porcupine, greater one-horned rhinoceros, eastern massasauga rattlesnake, Indochinese box turtle, North American river otter, western lowland gorilla, polar bear and zebra. The Zoo partnered with researchers at UB's Dept. of Pathology and Anatomical Sciences to study the classification of species using red blood cell images captured via differential interference contrast microscopy. Informational surveys were completed on rhino ex situ conservation, lion morbidity and mortality, gemsbok kinship, gorilla personality,

elephant body composition, maned wolf diet and body condition and Andean bear hair loss. Last but not least, "Music for the Birds: Effects of Auditory Enrichment on Captive Birds Species" was published in Zoo Biology based on research conducted at the Buffalo Zoo by authors Lindsey Robbins and Dr. Susan Margulis.

Conservation is an important part of our mission. Last year, our Cars for Conservation Program distributed \$12,386 to 26 different projects from around the world. In addition, our keeper staff raised \$14,000 for in situ rhino conservation through their annual Bowling for Rhino's event. The Vanishing Animals team sold lion cub souvenirs at Buffalove Fest and Wines in the Wild to support Build a Boma. This initiative builds and maintains livestock enclosures in Kenya and Tanzania to discourage predation by lions and leopards, thereby reducing retaliatory killing of big cats by livestock owners. Last March, Rhino Keeper Joe Hauser and Dr. Volle traveled to The Wilds in Ohio to assist with an Indian rhino electro-ejaculation procedure, which is critical to maintaining genetic diversity in this species. Dr. Volle and Herpetology Manager, Penny Felski, partnered with wildlife biologists from the Seneca Nation on a headstart program for Blanding's turtles and assisted the New York Department of Environmental Conservation with a hellbender project involving transponder implantation and health monitoring.

The Buffalo Zoo animal and veterinary staff celebrated the birth of a male gorilla.

RESEARCH PROJECTS SUPPORTED IN 2016

The Zoological Society of Buffalo recognizes that important contributions are made to the Zoo and to the profession by research efforts. The Society also recognizes that research benefits society at large by contributing to our collective knowledge of nature. Listed here are the research projects conducted or contributed to as a result of Committee approval and/or cooperation with AZA requests in 2016, and those projects continued from previous years.

African Lion

Ben Norton
Smithsonian Institution

This study collected information for a morbidity and mortality report of lions housed in North America from 2001 – 2016.

Asian Elephant

International Elephant Foundation
AZA Elephant SSP
AZA Conservation Endowment Fund

This project was a study to reduce elephant deaths caused by Endotheliotropic Elephant Herpes Virus (EEHV). Historic data and blood samples provided to determine prevalence of EEHV in collection animals. Sample submission continued in 2016.

Asian One-Horned Rhino

Agnes Bodo
Budapest Zoo and Botanical Garden

The researcher is a Masters candidate, focusing on what zoos can do to save this rhino species, based on AI projects in Budapest Zoo. Involvement in this project was the completion of a survey on rhinoceros husbandry.

Laura Harrington, PhD
Robin Radcliffe, DVM
Cornell University

Researchers are developing a multiplex PCR to detect rhinoceros blood, banteng blood and buffalo blood in tabanid fly samples from Indonesia.

Jesse Wojtusik
Cincinnati Zoo and Botanical Gardens

Develop a ferritin assay for iron overload disorder in rhinoceros.

Monica Stoops, PhD
Cincinnati Zoo- CRES

Samples submitted for the determination of estrus cycles in captive Asian one-horned rhinos. The accurate determination of estrus is used to time natural and artificial breeding attempts. Sample submission continued in 2016.

Samples submitted and ultrasound performed to develop novel ultrasound and urinary endocrine measures to improve AI timing and help predict ovulation outcomes in the Indian rhinoceros.

Black Howler Monkey

Amanda Hardie
University of Wisconsin, Madison

Samples collected to attempt to validate the use of urinary C-peptide (UCP) as a noninvasive proxy for insulin production in howler monkeys.

Nancy Carpenter
Utah's Hogle Zoo

Survey completed on the morbidity and mortality of black howler monkeys.

Eastern Hellbender

Penny Felski
The Buffalo Zoo

In partnership with NYSDEC, Cornell University, and the Eastern hellbender working group, the Buffalo Zoo continued efforts to study the effectiveness of hatching and releasing hellbenders. 2016 efforts focused on investigating chytridiomycosis inoculation prior to release of adult animals.



Eastern Massasaugua rattlesnake

Lisa Faust, Ph.D.
Lincoln Park Zoo

Penny Felski, Herpetology Manager, served as a team leader in the field study survey of Massasaugua rattlesnakes in their natural habitat. The yearly study aids in the conservation of wild populations. Surveyors collect data on survey methods, search efforts, basic site information, and weather information. 2016 was the eighth year in the ongoing mark/recapture effort in Michigan. Every snake is processed for general health assessment, and samples are collected for future research needs. Environmental, spatial, and habitat assessment data are also collected for each capture or sighting. Penny also serves on the eastern massasauga rattlesnake's SSP Research Committee.

Japanese macaque

Katie Cronin
Lincoln Park Zoo

Surveys submitted to investigate aggression among various macaques by documenting incidence of intraspecies wounds and wounding events.

Gemsbok

The Gemsbok SSP

The Gemsbok SSP requested blood and tissue samples for DNA work to refine estimates of kinships among individuals, which will allow the SSP to make improved breeding recommendations for this species.

Giant Anteater

Matt Hallett
University of Florida

This PhD candidate is studying giant anteaters in the field using camera traps. The researcher was testing a software package that may identify individual anteaters by their unique patterns. Photographs were supplied for validation purposes.

Maned wolf

Nucharin Songsasen
Marieke Kester
Smithsonian Conservation Biology Institute

This research aims to better understand the role of urinary compounds that act as semiochemicals to regulate reproduction in maned wolves and to then utilize this information to develop a non-invasive method of inducing estrus in singleton females.

Laruen Henson
Nucharin Songsasen
Smithsonian Conservation Biology Institute

Captive maned wolves are highly susceptible to gastrointestinal disorders, specifically inflammatory bowel disease. This project is investigating the genetic basis for IBD in maned wolves using methods developed in domestic dogs to extract, amplify, and sequence specific genes in hopes of investigating the potential diagnostic value.

Polar bear

Alexandra Switzer, DVM
Cincinnati Zoo and Botanical Gardens

This study aims to describe patterns of microbial diversity in the digestive tracts of a range of captive mammalian species to better understand how environmental and genetic factors affect these indigenous bacterial communities.

Erin Curry, Ph.D.
Cincinnati Zoo and Botanical Gardens

This ongoing project seeks to monitor sexual maturation in polar bears via non-invasive fecal analyses.



RESEARCH PROJECTS SUPPORTED IN 2016 CONT.

Snow Leopard
Tricia Gunther
Columbia University

This Masters student is studying the potential impact of individual animal personality on reproductive success of snow leopards. Personality data was gathered via surveys of keepers working with snow leopards.

Vampire Bat
Sydney Chertoff
Susan Margulis, Ph.D.
Canisius College

Common vampire bats have become increasingly popular as zoo exhibit animals. However, little is known about the impact that the zoo environment may have on their behavior. The goal of this project is to determine the possible effect of feeding locations on bat activity budgets. This study is a continuation of previous work on the effect of visitor density and noise on bat behavior.

Western Lowland Gorilla
Elijah Musik
Susan Margulis, PhD
Canisius College

Students attempted to develop a gorilla personality assessment using a survey of keepers’ responses.

Susan Margulis, Ph.D.
Canisius College

Continuation of a project initiated in 2012 to evaluate how different contraceptives influence hormonal patterns and estrous behavior.

Mallory Abel
Susan Margulis, Ph.D.
Canisius College

While some studies have identified zoo visitors as a potentially enriching stimulus for primates, other studies have found no effect, and still others suggest that visitors may have a stressful impact on primates. This study aimed to explore these possibilities by installing a temporary visual barrier (in the form of camo mesh) over the exterior of one of the viewing windows at the Zoo’s gorilla exhibit.

AZA Ape TAG
Great Ape Neuroscience Project

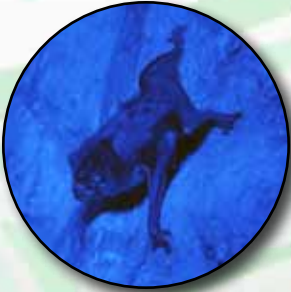
Agreement to provide the brain of deceased western lowland gorillas for processing where upon a standardized and consistent set of post-mortem analyses will be performed on the brains.

Dr. Hayley Murphy, Pam Dennis, DVM, PhD, DACZM; Rita McManamon, DVM; and Linda Lowenstine, DVM, PhD, DACVP
AZA Ape TAG

The Great Ape Heart Project (GAHP) is the world’s first effort to target cardiovascular disease in all four great ape species. Mortalities, especially in the middle age sector of the populations, has been on the increase. EKG and echocardiogram results are provided to the study as well as husbandry and nutrition data.

Various Felids
Frank Mendel
University of Buffalo

A visual study of various felid species at the Buffalo Zoo to investigate the hypothesized role of lip “dam” structures in regulating body temperature.



Various Primates
Natalie Laudicina and Jeremy DeSilva, Ph.D.
Boston University

In studying birth, neonatal brain size is an important factor to consider, as head size can complicate birth in humans and in small-bodied monkeys. Although there are over 300 species of primates, the database for neonatal brain size is severely limited. This project seeks to produce a more thorough database of neonatal brain size in primates to be made available to all researchers who would find the information useful.

Various Species
Pinaki Sarder
University of Buffalo

Samples collected for the automatic classification of species using their red blood cell images captured via differential interference contrast microscopy.

Robert Ossiboff, DVM, PhD, DACVP
John Parker, BVMS, PhD
Cornell University

To improve diagnostic capabilities in wild and captive exotic species, researchers plan to develop a diagnostic pipeline for the rapid identification of causative agents of infectious disease by developing immortal tissue culture cell lines of non-traditional species.

Christy Hoffman, Ph.D.
Canisius College

Continuation of an ongoing class project to compare the attention paid to simple and complex visual stimuli across various species.

Caroline Funk, Ph.D.
University at Buffalo

The remains of Zoo animals, as well as their naturally shed biomaterials, are to be added to the Zooarchaeology Laboratory Osteological Reference Collection in the Department of Anthropology at the University of Buffalo.

Dr. Stephen Wallace
Eastern Tennessee State University

Whole deceased animals provided for the Osteology collection of the Neogene Vertebrate Paleontology Laboratory at East Tennessee State University for preservation and study.

AZA Contraception Advisory Group
Dalen Agnew, Ph.D.
Michigan State University

Agreement to provide pathology samples for any animals involved in chemical contraception. Sample provision continued in 2016.

Human
Joshua Russell
Canisius College

This project explored common worlds and pedagogy in the Buffalo Zoo pre-school.

Lisa Thibault
Buffalo Zoo

This survey examined parent-specified barriers to family nature play.



CONSERVATION PROJECTS

SUPPORTED IN 2016



Cars for Conservation Fund
The “Cars for Conservation” program at the Buffalo Zoo receives \$0.25 from each parking fee collected. The funds generated are distributed to national and international conservation programs.

Financial support was provided to the following conservation organizations in 2016:

Amphibian ARK – Support to the ex situ components of the IUCN, Species Survival Commission’s Amphibian Specialist Group’s Amphibian Conservation Action Plan (ACAP).

Amphibian Taxon Advisory Group – Support in facilitation of amphibian conservation programs, in partnership with other AZA facilities and a variety of NGOs, Government agencies, and universities around the world.

Asia Elephant Support – Support to the care and conservation of Asian elephants in their range countries.

AZA Ape Conservation Initiative – Support to the in situ conservation of apes via research, education, and law enforcement.

AZA Conservation Grant Endowment Fund – Support to the cooperative conservation-related scientific and educational initiatives of AZA, AZA-accredited zoos and aquariums, and their collaborators.

Association of Zoo Horticulturists (AZH) – Contributions distributed by the AZH to support endangered plant conservation.

Buffalo Niagara RIVERKEEPER – Supporting the protection of local waterways by cleaning up pollution, restoring habitat, and enhancing public access.

Build A Boma – Funding to build and maintain livestock enclosures called “bomas” in Kenya and Tanzania. Protecting livestock from predation helps to protect big cats from retaliatory killings.

Caribbean Wildlife Alliance - Support of the reintroduction, conservation, education, and research programs for the Puerto Rican crested toad.

Cryptobranchid Interest Group – Support of projects that uphold conservation priorities for giant aquatic salamanders.

Christmas CrocFest – Funds supported a public event designed to raise awareness and financial support for international crocodilian conservation. 2016 funding is directed towards Orinoco crocodile conservation efforts in Venezuela.

Eastern Massasaugua Rattlesnake SSP – Support of in situ conservation programs for the endangered eastern massasaugua rattlesnake.

Friends of Laguna Atascosa Refuge – Support for in situ ocelot conservation and education.

Giraffe Conservation Foundation – Support for in situ giraffe conservation, research, and education.

International Rhino Foundation – Financial support to help conserve rhinos in the wild.

Komodo Dragon SSP Conservation Fund – Supports komodo dragon population surveys and long-term monitoring in Komodo National Park.

Nosara Refuge for Wildlife – Support for the Stop the Shock Program to insulate transformers and prevent native wildlife from electrocution. Additional funds to support the rescue and rehabilitation of wild primates.

Orianne Society – Support to the conservation of reptiles, amphibians, and the ecosystems they inhabit.

Pacific Marine Mammal Center – Support of the rescue, rehabilitation, and release of marine mammals as well as promoting ocean stewardship.

Panamanian Golden Frog SSP – Funding to preserve the culturally-significant golden frog of Panama through scientific field studies, education, financial support, and captive management.

Panthera – Support to this organization dedicated to the conservation of the world’s 38 wild cat species and their ecosystems.

Polar Bears International – Support to this non-profit organization dedicated to the worldwide protection of the polar bear.

Proyecto Titi, Inc. – Support To assist in the long-term preservation of the cotton-top tamarin and to develop local community advocates to promote conservation efforts in Columbia.

Red Panda Network – Support for the development of community based initiatives that benefit the livelihoods of local people by partnering with local non-profits and community organizations to implement red panda conservation programs.

Sahara Conservation Fund – Funding provided to aid in the re-introductory program for addax antelope.

Snow Leopard Trust – Financial support of in situ education, community building, and research efforts.

SPCA Serving Erie County – Support for the rescue and rehabilitation of native Western New York wildlife.

Tiger Conservation Campaign – Support for AZA Tiger SSPs’ Tiger Conservation Campaign to raise awareness about in situ conservation efforts.

Turtle Survival Alliance – Support for turtle in situ conservation and education in Asia and South America.

Vulture Conservation Foundation – Support for the recovery of European vulture species by initiating, facilitating, and supporting conservation actions and research.

Waterkeeper Alliance – Support for the efforts to protect drinkable, fishable, swimmable waters.

EDUCATION

We also took great pride in our Education Department. We received a \$15,000 grant from the Cullen Foundation for a new initiative to encourage teens from groups under-represented in science to consider life science careers. The six week program exposed participants to different life science careers through guest speakers and engaging hands-on activities focusing on each career.

Erie 1 BOCES worked with our staff to develop a new Zoo Wildlife & Conservation Career Program held at the Zoo during the 2016-2017 school year. This program targets honors level high school seniors from school districts served by Erie 1 BOCES. Students are here during the entire school year learning about wildlife, conservation, and how zoos are run.

Last year, the Buffalo Zoo and the Catholic School System forged a new partnership to provide many of their students with specific Zoo education programs to enhance the School System's S.T.R.E.A.M. initiative (Science, Technology, Religion, Engineering, Arts, and Math). We also conducted a teacher professional development session for Catholic school teachers and presented "The Secret to Developing Young Science Minds" at their yearly Catholic Schools Convocation Day on September 30th.

Thanks to a grant from Disney Conservation Fund, we held a series of nature play workshops in March last year. The focus of these workshops was to engage families from underserved areas of Buffalo and Niagara Falls in nature play. The first workshop was held at the Niagara Falls Boys & Girls Club, the second at the Gloria J. Parks Community Center, and the third at the Buffalo Zoo. In October, the Zoo hosted another nature play workshop, which included a zoo-wide scavenger hunt, keeper talks, and door prizes. Families from the Gloria J. Parks Community Center were invited to attend. The Aquarium of Niagara and Reinstein Woods Nature Center also

held nature play events at their venues in October.

Education program revenue exceeded \$400,000 in 2016, with our highly successful Cub Club and Strolling Around the World programs for young children, and Camps, Workshops, Zoo Snoozes, and Badge Programs for older kids. We also continued to serve the Buffalo Board of Education by providing science education to their early childhood site (grades pre-K - 2) at School 59, as well as our Ecosystem Architects program for their 5th grade students and teacher professional development for their 8th grade teachers. Last but not least, our Distance Learning Program served over 5,400 students from around the country last year.

2016 Education Program Attendance:

- Birthday Parties:
295 parties; 7,045 people
- Cub Club:
124 classes; 1,535 people
- Preschool: 13 students
- Scout Badge Programs:
41 program; 756 scouts
- Family Wild Workshops:
5 workshops; 62 participants
- Zoo Camps:
22 programs; 1,039 campers
- Teen Summer Programs:
4 sessions; 35 participants
- Outreach:
353 programs; 49,541 people
- On-site School Programs:
127 programs; 4,780 people
- Distance Learning:
167 programs; 5,410 people
- Science Magnet School
2015-2016 school year:
284.5 hours; 9760 student contacts
- Homeschool Programs:
17 programs; 186 students
- Stroller Program:
4 six-week sessions; 122 participants
- WNY Family Nature Club Outings/
Workshops/Events:
15 programs; 2531 people
- Docents filling assignments and
attending meetings:
130 docents; 15,643 hours
- Education keeper talks:
76 talks; 1,117 people
- Amazing Animals Puppet Show:
338 shows; 14,745 attendees
- Animal Shows/Demonstrations:
53 demos; 6745 attendees



MARKETING AND DEVELOPMENT

The Marketing and Development Departments had another stellar year in 2016. January kicked off with a baby gorilla and winter media exposure. This fueled a winter Groupon promotion for admission and membership which yielded \$35,000 in gross revenues. In February, we launched a Polar Bear Days promotion which boosted attendance for that month well above that of previous years. The spring lion cubs media blitz was highly successful and our social media platform continues to grow, with more than 41,000 Facebook followers in 2016, a 52% increase from the prior year.

A wide variety of fee-based events maintained a steady stream of customers and revenue coming to the Zoo, including Wild About You, Breakfast with the Easter Bunny, Mother's Day Brunch, BuffaloFest, Wines in the Wild, and Breakfast with Santa. Last year's Catillion, Dancing with Wolves, welcomed a record 600 guests, providing \$159,000 in net income to benefit the Zoological Society of Buffalo Foundation. The events team also provided an incredible assortment of themed activities included with Zoo admission to encourage high visitation throughout the year including Warm up with the Cold Blooded, Ape-ri!, Elephantastic, Party for the Planet, Wild about Wellness, Grandparents Day, Trick or Treat weekend and the Holiday Tree Lighting.

We relaunched the Zoofari Shuttle with support from the City of Buffalo and the Buffalo Olmsted Parks Conservancy. The shuttle ran Saturdays and Sundays throughout the summer, with City-produced shuttle stops along the Ring Road and Crandall Road. Unfortunately, shuttle ridership and utilization of the overflow lot at St. George's Church remains low.

Corporate Sponsorship is an important source of funds for the Zoo and sponsorship income was up 21% over the previous year. We secured ROAR Logistics as a sponsor of the Big Cats exhibit, Inspire Dental Group for the Gorilla exhibit, and just-ablondeinbuffalo.com for the Maned Wolf exhibit. We retained Tops Friendly Market as the sponsor of Arctic Edge, Wegmans for the playground, 2Find Your Home for Otter Creek, GEICO for the Reptile House, NOCO for Sea Lion Cove, Rainforest Café for the Elephant House, Ehrlich for the Hyena exhibit, TC Technologies for Snow Leopard, Anthony Leone CPA for Lemur, and Rhino Linings of Buffalo for the rhino yard. Event and Activity Sponsors included Galbani Cheese, Try It Distributing, Dunkin Donuts, WNY Immediate Care, METRO PCS, Treehouse Toy Store, and Soccer Shots. Perry's Ice Cream, Coca-Cola, and Sahlen's were also retained as our official ice cream, beverage, and hot dog providers.

Membership finished the year very strong with an increased number of gift memberships for the holidays. That coupled with a highly successful Cyber Monday promotion led to a 13% growth in Membership Income for 2016. The Adopt an Animal program enjoyed another successful year with our Valentine's Day, Spooky Species, and holiday ornament promotions. Our Buy the Animals Lunch campaign in July brought in \$7,000 for the program as well. The 4th Annual Zumbathon was held in June to raise a record-breaking \$5,720 in support of our snow leopard.

TOPS Shop for the Animals in August brought in a great variety of enrichment items for our collection. Thank you to the Women's Board for their assistance, as well as for the many successful fundraising activities they conducted last year including the Women's Board Calendar, auction baskets for Wines in the Wild and the annual Holiday Luncheon. We would also like to recognize and thank the ProZoo Board for their support of Arctic White Out and Wines in the Wild last year.

Our Annual Donor Recognition Reception took place on September 15th with more than 300 guests enjoying a special evening at the Zoo. Activities included a lion keeper talk, a gorilla feeding, and a sneak peak at our plans for the new Amphibian & Reptile Center (A.R.C.). The Capital Campaign for the aforementioned project made great gains in 2016, with the help of campaign Officer Ted Pietrzak. Over \$750,000 in new donations and pledges came in last year, including \$20,224 from our Labor Day event and \$21,000 from our SSSSundays promotion, where 50% of Sunday admission revenues went to the ARC campaign during the fall months.

The Buffalo Zoo also partnered with KMSSA, our gift shop vendor, for a program to support Children's Hospital. The Zootique offered guests the opportunity to purchase a plush animal at a discounted price to be delivered to a patient at Children's Hospital. In 2016, 153 young patients benefited from the program.

FRIENDS OF THE ZOO 2016

The board and staff of The Zoological Society of Buffalo, Inc. would like to thank all of the individuals and organizations listed below. Leadership gifts made during the 2016 calendar year are acknowledged here. Every effort has been made to ensure accuracy. If you notice any mistakes or omissions, please notify the Development Office at the Buffalo Zoo 716-995-6158. We are grateful to all of our donors for their continuing support and generosity.

Government Support 2016

Erie County
New York State
City of Buffalo

Grants & Gifts 2016

Association of Zoos & Aquariums
Cameron & Jane Baird Foundation
Ms. Maria Caldwell
Children's Foundation of Erie County, Inc.
Cullen Foundation
Zoological Society of Buffalo Foundation Inc.

Corporate Sponsors

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Anthony C. Leone, CPA
Coca-Cola Bottling Company
First Niagara Foundation
Foxy Delivery Service
Geico
Inspire Dental Group
NOCO Energy Corp.
Northeast Collision
Perry's Ice Cream Co., Inc.
Rainforest Cafe/Sheraton at the Falls
Rhino Linings
SR Instruments Inc.
TC Technologies
Tonawanda Bowling Center
Tops Markets LLC
Try-It Distributing Co. Inc.
Wegmans Food Markets, Inc.

Capital Campaign Gifts 2016 – Amphibian & Reptile Center

The Buffalo Zoo embarked on a two-year, \$2.75 million capital campaign to renovate our 75 year old Reptile and Amphibian House. Plans to build the new Amphibian and Reptile Center (A.R.C.) include an exhibit for a first-ever species at the Buffalo Zoo - the Komodo dragon. Our gratitude to the donors listed below who are assisting us with new homes for our reptile and amphibian friends.

Buffalo Zoo Women's Board
Cellino & Barnes
City of Buffalo - Dept of Audit & Control
Clarence Contemporary Club
Concordia Lutheran Church
Edward H. Butler Foundation
Evans Bank Foundation Fund at the Community Foundation for Greater Buffalo
Grigg Lewis Foundation, Inc.
Hyde Foundation
Kenmore Rotary Foundation, Inc.
Kenneth & Katherine Koessler Foundation
Marion Osborn Charitable Lead Trust
Mary Louise Olmsted Fund
Montgomery Family Foundation
National Fuel Gas Company Foundation
Ralph C. Wilson, Jr. Foundation
Robert J. & Martha B. Fierle Foundation
The Lenna Foundation
Tower Family Fund, Inc.
United Way of Buffalo & Erie County
Dane & Melanie Anderson
Vera B. Arrison
David Baker & Anne Hahn-Baker- In Memory of Charles J. & Anne D. Hahn
Dennis & Alouise Bauer
Misha Brahmabhaff
Todd & Kim Brason
Marco & Kirsten Bryce
Mark & Patty Bundy
Lino & Illa Caira
Robert & Sherry Carey
Greg & Jill Colombo
Elizabeth Conant & Camille Cox
Annette Cravens
Robert & Lin DeTamble
Peter & Mimi Dow
John W. Duskin
Jeanne C. Eaton
Robert & Jane Ehrke
Andrea & Howard Faden
Penny Felski
Robert & Lisa Fox
Todd Geise & Mark DeJac
Kathleen Gleason & Wayne Wight
Eugene & Kathleen Gramza
Charles & Sandra Hahn - In Memory of Charles J. & Anne D. Hahn
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Lynn Houghe
Jed & Meg Hunter
Donald & Wanda Hurley
Carol Johnston
Nancy Johnston
Todd Joseph & Barbara Ostfeld
Nancy Krol
Jon Kucera & Susan P. Graham
James & Doris Lally
James & Denise Lanz

Rick & Kristen Lenz
Thomas & Dian Lewin
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Anne Moot
Acea Mosey & Lisa Zaccagnino
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Willard & Karen Saperston
Elizabeth Schaefer
Denise Schaefer
Denise Schaefer
Kenneth & Mary Schoetz
Lawrence Seymour
Vilasini & Madhukar Shanbhag
Peter & Gloria Sikes
Malia Somerville
Penny Starke
Mark & Suzanne Sullivan
Stephen & Nicole Swift
Joseph & Michele Trolli
B. Vaz
Karen E. Vogt
Wayne & Janet Wisbaum

Capital Campaign Gifts 2016 – Bear Necessities

Arcara , Zucarelli, Lenda & Associates
CPAs, P.C.
Arrison Family Foundation
Buffalo Academy of the Sacred Heart
Delaware North Companies, Inc.
Ellicott Development Company
Estate of Janine Torba
Gernatt Asphalt Products, Inc.
Hodgson Russ LLP
LPCiminelli Inc.
Norman E. Mack II Fund of CFGB
Phillips Lytle LLP
Robert and Patricia Colby Foundation, The
Uniland Development
Vogt Family Foundation
West-Herr Auto Group
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The Annual Fund supports the daily operations of the Buffalo Zoo. Unrestricted gifts from all segments of the community are received which assist us in carrying out the Buffalo Zoo's mission of conservation, recreation and education. In 2016, more than \$300,000 was given to support the Zoo. Listed below are the leadership donors who supported the 2016 Annual Fund.

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Our Adopt An Animal program helps defray the Zoo's enormous annual grocery bill. Adopt An Animal parents donate to provide a healthy diet for their adoptee. The generous donors listed below made gifts of \$250 or more to help feed the many animals in our care. Thank you for your kindness and concern.

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Many thanks are extended to the generous businesses that joined the Buffalo Zoo's Corporate Partners Membership Program. Benefits offered give companies and their employees a variety of ways to enjoy the Zoo.

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One of the Buffalo Zoo's important financial foundations is membership. We are grateful to the 20,000 plus member households who support the Zoo through their membership. Listed below are those who have joined us at the Benefactor, Patron, or Sponsor levels of membership. Thank you for your continued support.

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The companies and individuals listed below have provided the Buffalo Zoo with needed goods or services during 2016. We are grateful for this support and are pleased to acknowledge these generous donors.

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Janet Gorfien
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Rachel Swenson

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Bon Mazurek
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Mary Sturn
PT Office Assistant

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Laurie Hope
Kitchen Manager

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Alexander Barraclough
Evan Brason
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Sarah Gemmer
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Shannon Goodell
Animal Care Specialist
Scott Lawson
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Jackie Levinson
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Donna McIntosh
Education Registrar
Maureen Pantera
Volunteer Coordinator
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Animal Care Specialist
Robin Sanecki
Outreach Programs Specialist
MaryCarol Sugar
Animal Care Specialist
Lisa Thibault
Onsite Programs Specialist
Elizabeth Thompson
Onsite Programs Specialist

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Sara Butzbach
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Grounds Manager

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Jakob Murray
Michael Sawyer

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Ana Eliza Geli
Kelsey Lowery,
LacyRose Seiders
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Christopher Galas
Randy Grupp
Brion Hall
Mark Knight
Jonathan Pappagallo
Ronald Zunner
Chief Engineer

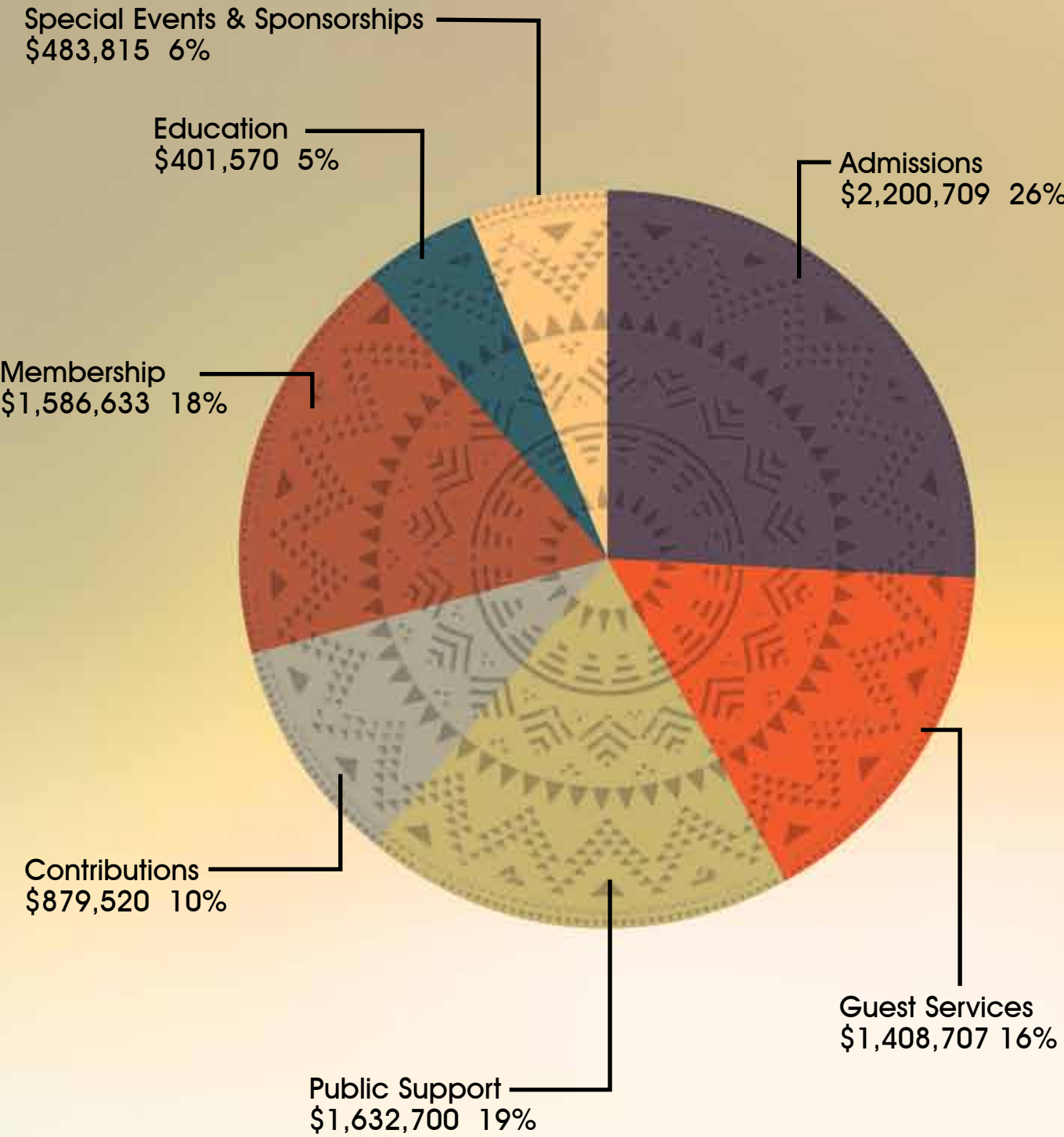
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Wanda Hurley
Guest Services Manager
Michael Paluch
Guest Services Assistant Manager

Guest Services Associate

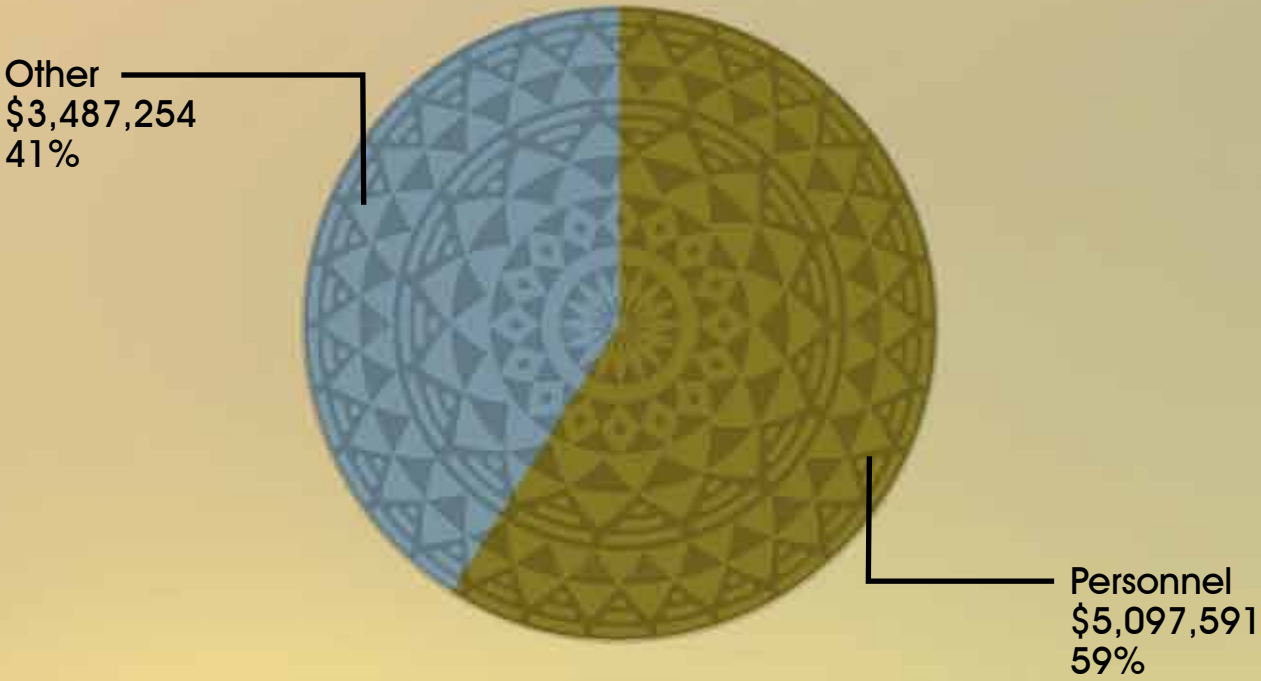
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2016 OPERATING STATEMENT



Total Revenue \$8,593,654 100%

Expenses Total \$8,584,845 100%



Total Expenses by Program \$8,584,845 100%

