

Last year was an historic one for the Maryland Zoo. It kicked off with the release of a Master Plan that defines how our Zoo, the third-oldest in the nation, evolves over the next decade and beyond.

Members and guests will be excited by the new species and habitats we're planning, along with major upgrades to event spaces, concessions, and attractions. Behind the scenes, the plan details improvements to staff areas, sets benchmarks for conservation and sustainability, and will make us an even more supportive and competitive place to work.

Welcoming our colleagues from around the world during Zoo Day was another highlight of the year. That event was the culmination of the Association of Zoos and Aquariums' (AZA) national conference, which we co-hosted in Baltimore with the National Aquarium.

This year, the long-planned renovations to our guest parking lots got underway. That major project will improve water runoff control, ADA accessibility, and even reduce the heat island effect during the hottest months. Also out front, we relocated the new welcome sign that spells out "Maryland Zoo" in large, colorful letters. It immediately became our guests' favorite spot for selfies.

Public and private funding for capital, operating, and conservation projects was strong, as was revenue from our temporary Dinosaurs exhibit. These streams allowed us to subsidize gate admissions for Baltimore City public school students over the summer and for the general public during Free Fall October and Downtown Discovery Days in January.

To grow the number of Black, Indigenous, and People of Color (BIPOC) in the zoo field, we launched the Mary Wilson scholarship program, named for our first Black woman zookeeper. This paid, five-week internship provides college students with valuable hands-on learning and research experience.

Our international conservation actions were full speed ahead with field work across Maryland and the world in countries like Bolivia, Botswana, Canada, Namibia, Panama, and South Africa. To strengthen the Zoo's commitment to conservation at home and abroad, we increased the amount of money spent on these programs from 2.9% of our operating budget in 2021 to 3.5% in 2023.

Work to meet the goals of a forthcoming Sustainability Plan has already begun. This includes animal waste composting—a significant effort to reduce greenhouse gas emissions and generate clean bio-fuel. Ultimately these actions won't just be great for the environment, they'll be good for our bottom line.

Internally, we restructured our Security, Education, and Visitor Services teams, introduced digital HR tools, and engaged with a special support program called GRAZE that works specifically with professionals in the animal care field. We were also honored as Employer of the Year by The Arc of Baltimore for hiring and supporting people with developmental disabilities. And, it was our pleasure to recognise Kathleen Monroe as our Adult Volunteer of the Year and Allison Kitchel as the Teen Volunteer of the Year.

In a connected world, it's important to engage with the public in new and meaningful ways online. Last year, we successfully augmented our digital audience with a continued, strong website and new TikTok and LinkedIn channels. As a result, out of 57 U.S. zoos, Maryland Zoo's digital marketing ranked second for the strength of our digital outreach and customer service. We also earned press coverage with a global audience of more than 66 million people.

Whether it's the media, educational programs, subsidies for school groups, or the improvements ushered in by the Master Plan, we're constantly improving how we connect people to the wonders of the living world. On behalf of the Zoo and its Board of Trustees, we thank you for being a big part of this work.

Michael Aldrich

Chair, Maryland Zoological Society Board of Trustees J. Kirby Fowler, Jr.

President & CEO





CARE

Looking after animals and people

Over the past few years our Zoo gained national recognition for the way we help the oldest animals in our care age gracefully. Several qualify as senior citizens for their species so it's important that we prioritize each animal's medical, physical, and emotional health. Alongside the outstanding care provided by our Animal and Veterinary teams, specialists on the Behavioral team can apply knowledge about each species' anatomy, movement, intelligence, and evolutionary traits (among many other factors) to create enrichment programs or develop new habitat accommodations that let even the oldest animals thrive.

Having a continuum of care means being prepared for anything. What if a very large animal falls, for example? We have that covered thanks to new training and equipment that will help us quickly and safely perform a large animal rescue.

When it comes to our employees, their best interests are always top of mind and spelled out in the new Master Plan vision statement:

"Employees of all backgrounds will feel welcome at the Zoo, as part of an increasingly diverse workforce. They will receive constructive professional development and competitive compensation."

We deepened that commitment with new DEAI leadership and policies, staff bonuses that rewarded the incredible work our team does, increased engagement around Employee Resource Groups, and a new partnership with GRAZE, a non-profit organization that brings mental health resources to animal care professionals.

Once again, front line staff and facilities were certified by Kulture City, which makes us better prepared to help guests with sensory differences like PTSD, autism, or brain injury feel welcome and accommodated. For anyone with physical limitations, we began a complete overhaul of the ADA parking lot to make it even more accessible.





ENGAGEMENT

Mission possible

Your mission, should you choose to accept it: search the Maryland Zoo for clues to expand your knowledge about the world around us.

That was the goal of Operation:Conservation, a Zoo-wide scavenger hunt where visitors carried out planet-saving missions. Each quest taught visitors about pollinators and nature play, animal care and conservation, zoo nutrition and healthcare, climate change, plastic pollution, and more.

It was one of dozens of cool activities during *Party for the Planet*. More than 5,000 people joined us for this weekend-long Earth Day celebration to take part in educational activities, nature exploration stations, a citizen science bioblitz, zookeeper chats, and animal training sessions.

Last year, we improved and expanded the number of experiences we offer, like Zoo Snooze Overnights, so that visitors of all ages can better engage with our Zoo. We also welcomed almost 60,000 field trip students to our campus. And, if they couldn't make it to us, we went to them via 23,000 virtual field trips.

While each of these experiences opened guests up to the wonders of the living world, two special programs opened them up to the wonders of zookeeping.

Now in its second year, we expanded the Mary Wilson Scholarship, a paid 5-week internship that provides Black, Indigenous, or People of Color (BIPOC) college students an opportunity to engage in hands-on learning and research. At the same time, our Teen Volunteer program gave high school students, ages 14-17, the opportunity to learn about zoos and conservation. Programs like these helped students explore career opportunities, gain leadership skills, and, hopefully, develop into the next generation of zoo professionals.

This spring, we teamed up with WJZ 13 for School at the Zoo - a fun, fast, and informative half hour TV special.

The show paired Zoo experts with station anchors, reporters, and meteorologists to create unique lessons about biology, ecology, animal conservation, and weather. Actual field trip students took part in the lessons, which were held in outdoor "classrooms" throughout the Zoo.

The taped lessons were then broadcast by WJZ, and earned the #1 ratings spot each time the show aired. That exposure meant tens of thousands of families got to experience School at the Zoo from home.





Deep inside the Zoo's non-public areas, a parent colony of wood turtles is building hope for their this species' future in the wild.

In partnership with DNR, we hatched and grew (aka "headstarted") new generations of wood turtles that, once large enough, are released in secluded areas across the state.

These tiny turtles are slow to reproduce and have a high mortality rate in the wild, plus they're threatened by habitat loss and poaching, so every bit of help is meaningful. Before they're released, we affix transmitters so our teams can keep an eye on their progress.

CONSERVATION

Here at home and far afield

From polar bear research in Canada to river dolphin rescue in Bolivia, this past year we were engaged in conservation work across the globe.

We continued to conserve African penguins with our partners at SANCCOB in South Africa and were charter founders of a new seabird rescue facility called NAMCOB in Namibia. Several Zoo teams traveled to work with Panamanian golden frog assurance colonies at the El Valle Amphibian Conservation Center Foundation (EVACC). Zoo funding enabled the ongoing study of African Elephants in the Makgadikgadi Pans National park in Botswana. And, our head veterinarian, Sr. Director of Animal Health, Conservation & Research, along with her partners at the St. Louis Zoo, worked with Bolivian counterparts to rescue and study endangered Bolivian river dolphins.

Significant portions of this work was supported by outside sources, such as grants and the Zoo's Wildlife Response Fund.

Here in Maryland, our staff once again assisted the Maryland Department of Natural Resources (DNR) with the annual black bear sow survey and participated in the HAZWOPER (Hazardous Waste Operations and Emergency Response) program, training and deploying specialists who remediate environmental spills that endanger wildlife and wild habitats. Native turtles were also top-of-mind as we helped monitor and grow populations of bog turtles, eastern box turtles, northern map turtles, and wood turtles (see sidebar).

Through a variety of initiatives the Zoo planted trees and gave away more than 80 bird-friendly saplings along with dozens of native wildflower seed packs. In partner-ship with Lights Out Baltimore, we added special coatings to avoid wild bird strikes on exhibit glass. And, once again, staff participated in several local clean-ups in Druid Hill and regional parks like Otter Point Creek.

The Hospital regularly gets wildlife animals to rehabilitate. While we don't accept animals from the public, we do work with the State of Maryland and conservation partners as a waystation for wounded or abandoned animals. Notable animals this year included a snowy owl and North American river otter that is now a part of our collection.

SUSTAINABILITY

Practice what we preach

It's impossible to address animal conservation without addressing, head on, the environmental challenges facing our planet. That's why, for the past several years we have reduced our resource usage and expanded community collaborations while also developing a comprehensive Sustainability Plan that will soon influence every facet of our management and operations.

This work paid off in a major way with new and expanded programs addressing everything from water usage and energy consumption to the kind of forks we use.

Yes, forks! We swapped single-use plastics for reusable, compostable, or fully recyclable plates, cups, and utensils—actions that were on full display when we hosted the first-ever zero waste Zoo Day during the AZAs national conference in Baltimore. And, for the fifth year in a row, the Zoo won the national Plastic Free July EcoChallenge.

We continued our valuable partnership with BGE, which provides trimmed tree branches for animal use and enrichment. Meanwhile, on grounds, Zoo volunteers and staff added three produce beds to the garden on Buffalo Yard Road and harvested sixty pounds of fruit from the orchard. The Commissary incorporated the produce from both locations into animal diets - a process that was documented for an upcoming episode of Maryland Public Television's show, *Maryland Farm and Harvest*.

On campus, we instituted a "no idling" policy for staff, guests, and vendors. A reinvigorated Cell Phone Recycling Program was launched to collect unused electronics and increase awareness about the devastating effects of rare earth mining - which destroys habitats for endangered species like chimpanzees, okapi, duiker, and elephants.

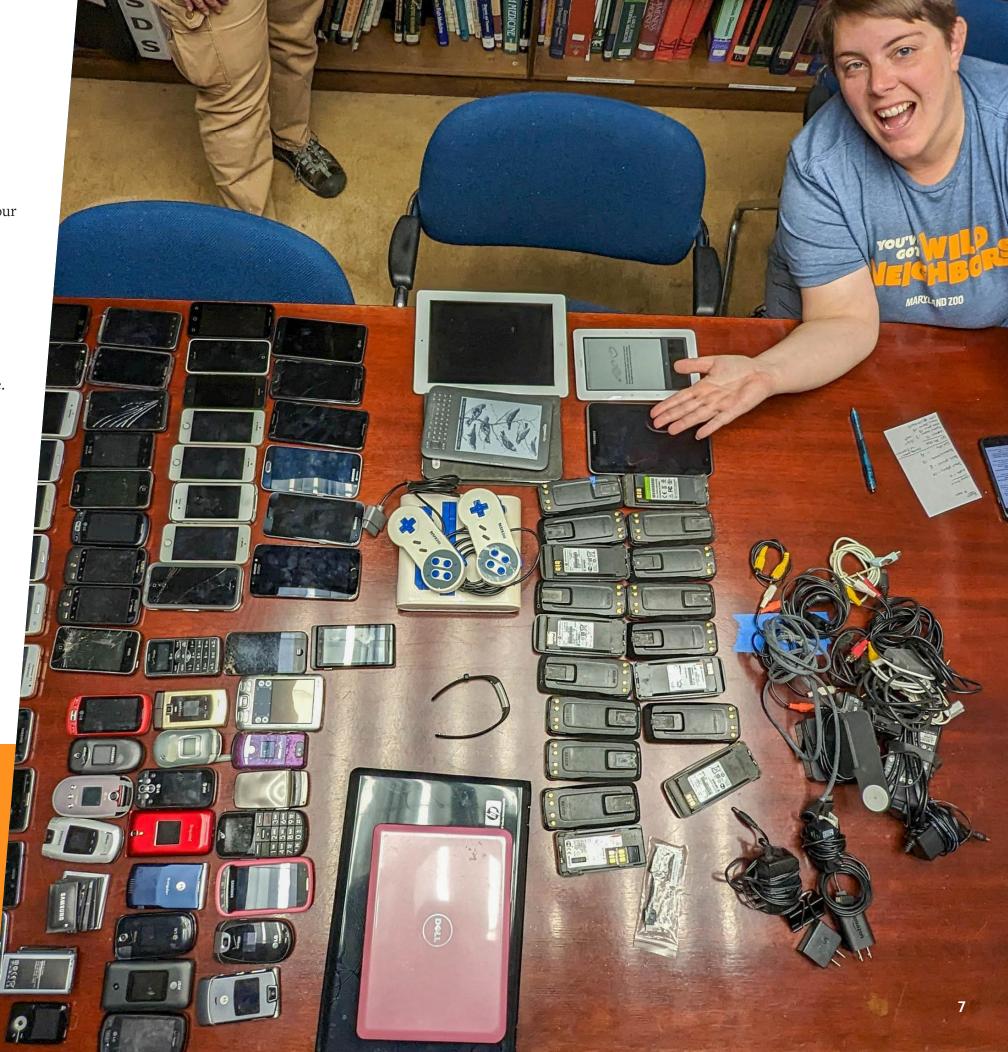
We combined these actions with awareness building through on-grounds signage, keeper chats, and educational events like summer camps and *Party for the Planet*. When guests see how even a small action can have a big impact, they're more likely to incorporate green practices into their daily lives.

TURNING FECES INTO FUEL

In February of 2023, we started a pilot program sending about 30 percent of our manure, spent bedding (straw, hay, pine shavings), and other organic waste to an anaerobic digester that breaks the materials down and turns them into renewable energy.

As you might imagine, this practice is much better for the environment than sending waste to an incinerator or landfill.

In the program's first few months, more than 50 tons of waste were diverted to the digester, and that's just the beginning. We're planning to increase the amount of materials diverted into this eco-friendly waste stream in the months and years to come.





REINVENTION

What's old is new

You won't get to be as venerable as our Zoo (which is celebrating its 150th anniversary in 2026) without constant reinvention. As Michael Aldrich, Chair of the Maryland Zoological Society explained when we released our strategic Master Plan, "The Maryland Zoo has done a phenomenal job creating new animal habitats and guest experiences since our last implementation plan in 2008. But we can't rest on our laurels."

First on the list of improvements was a complete renewal of our parking lots, which got underway this spring. This long-planned work will dramatically improve stormwater runoff controls and provide a better experience for pedestrians, strollers, and wheeled carts. It includes a state-of-the-art system to filter and collect rainwater, smart lighting, covered bike parking, security cameras, and paving materials that help reduce temperatures during hot, summer weather.

On the animal team, we added a Collection Specialist position to support Area Managers. As the name implies, the specialists have deep knowledge and training about specific animal programs so they can, for example, schedule animal ambassadors, track enrichment, and coordinate training as required by our Association of Zoos and Aquariums (AZA) accreditation. By providing a new opportunity for promotion, this position will also help with staff retention.

Behind the scenes, planning around different elements of the Master Plan has been moving forward. We are working on additions to our collection, including new charismatic species like gibbon and red panda. In addition, we're planning improvements such as new aviaries for current species and the creation of an event and education zone in Main Valley near the old Round Stand and polar bear exhibit.

FINANCIALS

SUPPORT AND REVENUE

State of Maryland	\$6,415,367
City of Baltimore	1,703,262
County Grants	457,718
Foundation Grants	343,583
Contributed Income	1,706,106
Net Admissions	3,494,479
Individual Memberships	2,210,113
Events	1,453,937
Attractions	865,098
Commissions	558,627
Education	242,387
Other	222,682

Revenue released from <u>325,743</u>

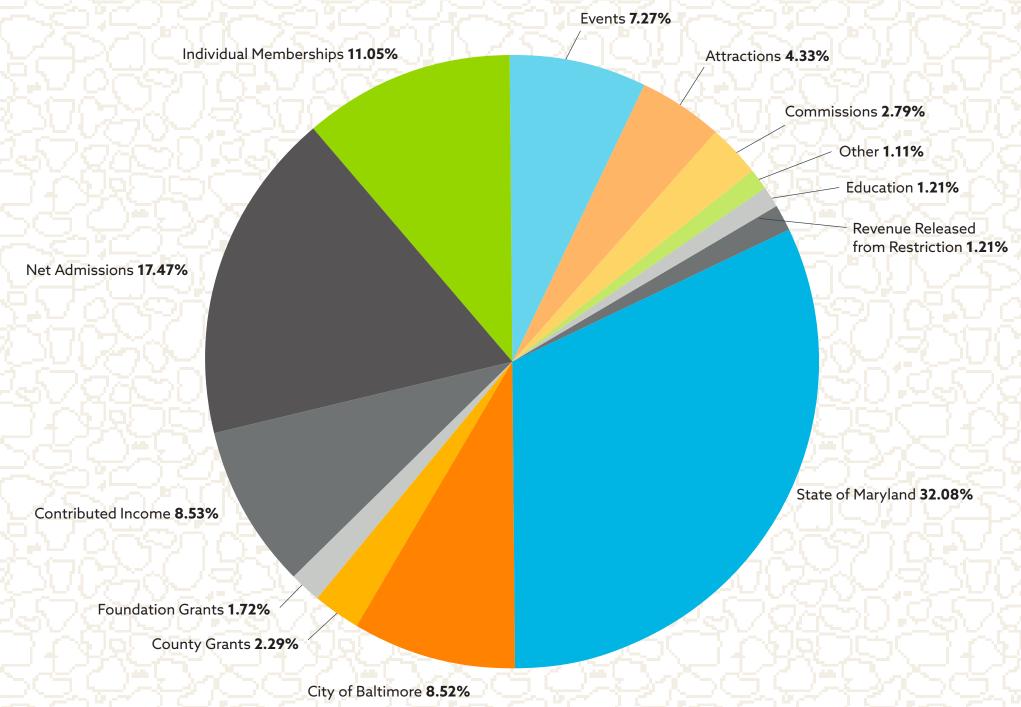
restriction

Operating Revenues \$19,999,102

Net Capital Support (used to fund capital projects) \$3,275,209



Total Revenue: \$19,999,102



FINANCIALS

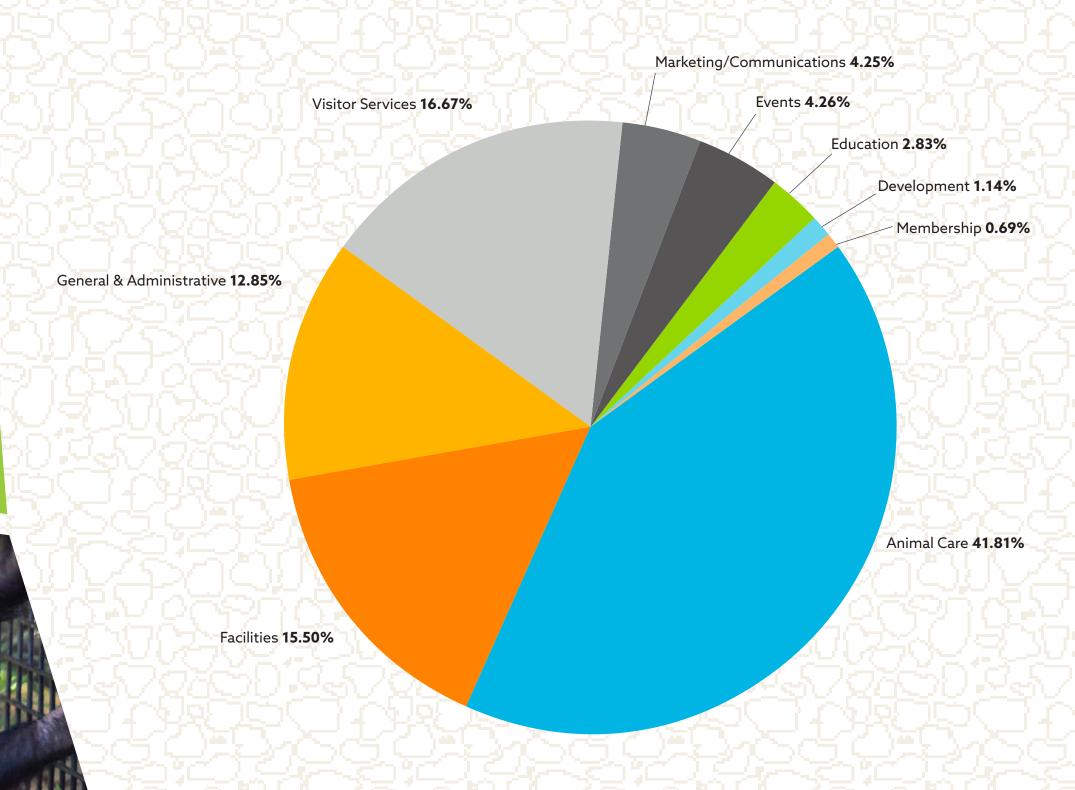
EXPENSES

Animal Care	\$7,793,022
Facilities & Occupancy	2,889,267
General & Administrative	2,394,154
Visitor Services	3,105,929
Marketing/Communications	792,790
Events	794,733
Education	527,415
Development	211,935
Membership	<u>129,414</u>

Operating Expenses \$18,638,658
Before Depreciation

Note: Depreciation \$3,618,896

Total Expenses: \$18,638,658



RESEARCH & PUBLICATIONS

RESEARCH

The Zoo participated in several dozen ongoing research studies. Outcomes of these studies can have far-reaching consequences for the improved welfare and protection of Zoo animals, their wild counterparts, ecosystems around the globe, and humanity. Study participation must first be approved by the Zoo's Research Committee, which is comprised of Zoo staff and outside researchers. The committee reviews internal and external proposals to insure that projects are safe, will not negatively impact the animals, can be performed in a timely manner, and have scientific merit. This year's projects include:

SELECT RESEARCH PROJECTS: IN-HOUSE LED

The prevalence of the meningeal worm (Parelaphostrongylus tenuis) in the white-tailed Deer population on MZIB zoo grounds; Devon Youngclaus and Dr Ellen Bronson:

This research project examines the prevalence of Paralaphostrongylus tenuis (Meningeal worm), a parasite carried by White-tailed Deer that has recently been found to greatly impact the health of the Zoo's exotic hooftstock. Fecal samples from wild white-tailed deer are collected weekly at randomly selected points throughout the Zoo and processed in house at the Zoo's hospital laboratory.

Health Assessment of the endangered Northern map turtle in the Susquehanna; Dr Andrea Aplasca

The Northern map turtle (Graptemys geographica) is classified as endangered in the state of Maryland. The only known population in the state is found in the Susquehanna River, which has been significantly impacted by human activity and development. This study will establish the first baseline health assessment for Northern map turtles in the Susquehanna River and will combine physical examinations, disease testing, and blood sample analysis to evaluate both individual and population health to aid in the conservation of the species in Maryland.

Zoo Soundscapes- PhD Thesis; Sharon Bowen and African Watering Hole Team

Sound is present in any landscape—whether natural or designed—and is always changing. Hearing is a more important sense for many species than it is for humans, and hearing ranges can be outside that of humans. However, many zoo sound studies focus on the human concept of "noise." This study will assess multiple characteristics of the soundscape experienced by the Zoo's rhinos: Average and peak amplitudes (loudness), frequency (pitch) ranges, and uniformity (similarity over time or between soundscapes). Understanding the characteristics of a zoo soundscape can inform decisions about auditory enrichment, noise mitigation, and zoo design more broadly.

SELECT SUPPORTED RESEARCH PROJECTS WITH COLLABORATORS

American Institute of Rhinoceros Science (AIRS) - A Model for Saving Species with Science ex situ; Multi-Institutional project facilitated by Erin Grimm

This large coalition of rhinoceros scientists and experts are employing a multi-disciplinary strategy to produce science-based, feasible management recommendations for monitoring and controlling physical condition, iron overload, and reproductive dysfunction, while improving rhino wellbeing. This program will set a precedent for saving species with science in zoos.

Investigating the relationship between microbiota composition and variability in cancer susceptibility across the animal kingdom; The Thaiss laboratory at University of Pennsylvania

Several animal species have been identified as cancer resistant, such as blind mole rats, naked mole rats, bats, elephants, alligators, eastern grey squirrels, blackbucks, and Patagonia maras. Many mechanisms eliciting cancer resistance in these animals have been uncovered, however, whether the intestinal microbiome plays a mechanistic role has not yet been investigated. Therefore, the overall goal of this study is to find anti-cancer microbiota/molecules by determining if the microbiota composition of low cancer mortality animals is key to their cancer resistance and to determine if the microbiota is responsible for the large variability in cancer susceptibility across the animal kingdom by also screening high susceptibility cancer mortality animals.

<u>Cognition and problem solving in chimps</u>; John's Hopkins University facilitated by Erin Grimm and the Chimp Forest Team

As our closest relatives, chimpanzees show many similarities to humans, especially in terms of their behavior and intelligence. They are a socially complex species, with nuanced individual relationships and alliances, and rich mental lives. We are particularly interested in how they understand and navigate their social worlds, solve problems, and broadly how they think. This work will shed light on the complexities of chimpanzees' minds and experiences, potentially providing insights relevant to care and management. It will also spotlight features of human psychology that we share with chimpanzees that were likely present millions of years ago in our common evolutionary ancestors.

LECTURES

Ellen Bronson was a panelist and speaker at the Maryland Women in Green event hosted by the US Green Building Council. August 2022.

Treatment of pyometra in a well trained critically endangered Amur leopard. **Jennifer Sohl and Kaitlin Ayrault.** Association of Zoo Veterinary Technicians Annual Conference. November 2022.

Box Turtles and Buttons: Revitalizing a Program, Increasing Engagement and Helping a Local Species. **Katharine Mantzouris.** Association of Zoos and Aquariums Annual Conference. September 1, 2022.

Thinking Outside the Crate; Panel on Animal Transports. **Ellen Bronson.** Association of Zoos and Aquariums Annual Conference. August 2022.

Diseases of captive and free-ranging mammals. **Ellen Bronson.** Virtual guest lecture for Wildlife Diseases undergraduate class. University of Maryland College Park. November 2022.

Managing Zoo Animal Collections. **Ellen Bronson.** Guest lecture for Health Management of Animal Populations. University of Maryland, College Park. March 2023.

Common Aquatic Parasites. **Andrea Aplasca.** Ohio State University College of Veterinary Medicine—Aquatic Animal Health and Medicine Course. March 2023.

Becoming a Veterinarian Presentation and Panelist Member. **Andrea Aplasca.** Virginia-Maryland College of Veterinary Medicine and Maryland Veterinary Medical Association. April 2023.

The Role of Zoos in Herptile Conservation. **Ellen Bronson.** Biology guest lecture. Towson University. April 2023.

Gastrointestinal Disease of Zoo Animals; **Ellen Bronson.** Physiology guest lecture. Midwestern University, Arizona. May 2023.

Project Golden Frog: An Example for Amphibian Conservation and One Health. **Ellen Bronson.** Guest lecture for Wildlife, Exotics, Zoo, Avian, and Aquatics Club. Midwestern University. May 2023.

The Effects of Tetany Syndrome on the Reproductive Success of Panamanian Golden Frogs (Atelopus zeteki) at the Maryland Zoo in Baltimore. **Chris McIntosh.** Herp Taxon Advisory Group Meeting. April 2023.

PUBLICATIONS

Chris McIntosh, Kevin Barrett, Coyne S, **Ellen Bronson.** The effects of tetany syndrome on the reproductive success of *Atelopus zeteki* at the Maryland Zoo in Baltimore. Herpetol Review 2022;53:616-619.

Zhang X, Meadows SNA, Martin T, Doran A, Angles R, Sander S, **Ellen Bronson**, Witola WH. Plasmodium relictum MSP-1 capture antigen-based ELISA for detection of avian malaria antibodies in African penguins (*Spheniscus demersus*). Int J Parasitol. Parasites Wildl. 2022;19:89-95.

GOVERNMENT SUPPORT

Between July 1, 2022 and June 30, 2023

The Maryland Zoo continued to receive invaluable support from the State of Maryland, the City of Baltimore, Baltimore County, and Howard County. Together, these governments provided critical funding of the Zoo's operating budget. The State of Maryland remained the most significant funder of important capital improvements. We remain deeply grateful for government leaders' recognition and appreciation of the Zoo as a high-quality institution serving the community. Foundations also provided funding that was essential to our success during the last year.



500+ Hours







Howard County Arts Council through a grant from Howard County Government

ZOO VOLUNTEERS

The Zoo benefits tremendously from the time and talents of its many volunteers. This dedicated corps provides hours of valuable service that enhance Zoo operations at every level and add positively to the guest experience.

300+ Hours
Falke, Arlene
Lidston, Bob
400+ Hours
Bowie, Cindy
Martin, Larry
Shaffer, John
300+ Hours
Blair, Suzanne
Hayes, Linda
Miller, Ted
Monroe, Kathleen
Phillips, Nancy
Sheehe, Jack
Sullivan, Peggy
Wallace, David
200+Hours
Bishop, Beth
Brunk Kosmicky, Linda
Burkom, Diane
Dickerson, Sarah
Griffin, Jeffrey

Guralnick, Judi Carpenter, Kendall Harris, Betty Castro, Judith Hayes, Bernard Coleman, Jeffrey Hogue, Kathryn Copsey, Brandy Levickas, Tom Dennis, Carol McAveety, Whitney Dimaio, Julia Penn, Beth Escobedo, Joseph Reek, Maryellen Eybs, John Reeves, Lyn Fitzpatrick, Sean Rogers, April Forlifer, Linda Shevitz, Edward Frankos, Poulheria Stiefel, Robert Galuardi, Gerald Wentz, Susan Gamble, Ahmonjae 100+ Hours Goldman, Herbert Althouse, Michelle Grady, Susan Balch, Dacia Herren, Joshua Bowen, Elaine Irving-Zubkus, Alexis Brown, Michael Jacob, Kate Browning, Susan Jones, Carol Burek, Lynne Jones, Robert Burke, Valerie Keen, Mary

Kiefert, Helen Kitchel, Allison Kruft, Lynn Kuhl, Eileen Landers, Susan Lazar, Barbara Lichtman, Glenn Little, Cailyn Lurz, James Mahan, Gail Marlor, Kimberley Martin, Hilde McIvor, Linda Menkhaus, Chloe Miller Smith, Nora Moore, Michael Moore, Susan Murphy, Frances Nasuta, Tom Navarro, Jessica Norenberg, Mango

Ogurick, Arlene Paffenbarger, Jessica Reynold, Paul Ruschell, Ellon Siegert, James Smith, Patricia Sober, Rhona Sturm, Hiedi Thomas, Kathy Waldfogel, Julie Webb, Laura Wrightson, Linda 50+ Hours Abramson, Annette Andhavarapu, Nik Ash, Randy Awuah, Ivana Bailey, Ava Becker, Kathleen D Bharadwaj, Sanjana Botterbusch, Mary Brian, Sydney Campbell, James Caplan, Cora Cheatham, Ella Culwell, Nicholas Dolan, Keith Falcon, Alexandra Ghiaur, Olivia Ginyard, Lauren Hardy, Harmony Hepner, Elizabeth Herr, Chaela Holly, Matthew Hutchinson, Pat Jannone, Shannon Jenkins, Shavaun Johnson, Ashlyn Katz, Alan Krauer, Sandra Lacombe, Benjamin Lambdin, Jeanne Lazo-Prado, Marali

Meier, Nancy

Rixey, Sallie Scarbrough, Donna Schaefer, Sean Service, Sara Shi, Julia Sloat, Kalina Stow, Sharon Strickler, Skylar Sulonen, Ezekiel Taylor, Laci Thewes, Donna Tucker, Alyssa Tung, Lotus Weinstein, Julie Welsh, Ginnie Wiskman, Carrie **Up to 49 Hours** Abbott, Paige Abbott, Paiton Alexander, John Alexander, Madelyn Alvarez, Federico Amato, Susan Anderson, Jennifer Arthungal, Andrew Bagwell, William Baldwin, Alice Barnaba, Marya Barnett, Nadia Barnett, Sunshine Baxter, Nicole Beard, Jack Berger Sollod, Blanca Black, Lorraine Bleything-Jones, Sanaa Bodkin, Nora Bradley, Larry Bralley, Katherine Brandenburg, William Brodey, Rick

Brodey, Shae

Brophy, Brian

Brown, Katie

Pilert, Barbara

Browning, Robert Copsey, Linda Brownley, Francine Coulter, Becca Brunelle, Mina Cowger, Sharon Bunger, Rachel Craig, Jacqueline Burgunder, Martin Credit, Kimberly Burton, Kathy Crusse, Thomas Busz, Alycia Crystal, Hillary Cahill, Rory D'Ambrogi, Jane Cain, Leslie Danchin, Amara Calhoun, Matt DeBold, Bonnie Calinawan, Anna Defrancesco, Kathy Camelotto, Steve DeFrancesco, Margaret Cameron, John DeFrank, John Cassup, Patrick Delahaye, Hannah Chambers, Audrey DeMonte, Denise Chason, Pat Derby, Sharon Cheatham, Ella DeStefano, Colleen Choe, Julia Dietrich, Angela Chranko, Brad Dietrich, Morgan Claiborne-Lewis, Sofia Digan, Stacey Claiborne, Makiya Dominguez, Antonio Donatelli, Adam Clark, Betsy Clark, Dondrea Douglas, Michelle Clark, Pat Dworkin, Karen Eberle, Susanna Cohen, Susan Eberwein, Kim Coleman, Kamryn Copsey, Joseph

Eddowes, Rachael Elis, Lila Emory, Saniyah Esposito, Lindsay Evans, David Evans, Lillian Evans, Susan Ewing, Barbara Fine, Stuart Fine, Tami Fingado, Gabriella Fisher, Deb Flores, Santino Font Garcia, Odette Freeman, Ron Friner, Kim Gallagher, Charles Ganslaw, Lauren Garcia, Odalys Garner, Samuel Gawryck, Meghan Gerber, Maxwell Gibson, Nashyra Giroux, Abigail Golob, Michael



Grabowski, Cooper Gregg, Ellen Gregg, Kristin Gurney, Amanda Gwinn, Brystal Hall, Katrina Hampton-Lawer, Wyatt Harper, Shelly Hatchet, Eboni Havey, Jeffrey Hawk, Sammie Hazer, Meghan Hennegan, Emily Hernandez-Soto, Carina Heyde, Kelly Hill, Katie Hill, Kerry Hiralall, Subadra Hodge, Saige Hogan, Jill Hogan, Kate Holgate, Heather Holley, Michael Hook, Savannah

Hook, Walter Howe, Nathaniel Hoyer, Jay Lacey, Kayleen Hurwitz, Robyn Lauver, Zach Lee, Ken Igbekele, Tope Lee, Rayab Illig, Jessica Johnson, Mia Legrand, Darlene Johnson, Mike Letsch, Derek Johnson, Venus Levero, Isabella Lewin, Mark Jose, Jennifer Kaminski, Andrea Lichtman, Scott Little, Jeremiah Katz, Laura Katz, Mara Lloyd, Donna Kauffman, Bonnie Loftus, Andrea Keller, Teagan Loizim, Ada Lombardi, Eric Kerns, Mary Khmaladze, Lisa Luoma, Brian King, Harper Lyon, Marcia King, Theresa Lyon, Michael Kipnis, Whitney Kittell, Andrew Mackin, Michael Kittell, Charlotte Madairy, Galit Kitzinger, David Kitzinger, Marissa Maher, Debra Klarner, Naomi Massey, Gernya Matejka, Mary Matejka, Robert

Klasmeyer, Diane Klingensmith, Emma MacCord, Carolyn Maharjan, Gosama Mastriana, Jennifer Matthews, Natalie Mazurkevich, Sheri

McCrindle, John McCrindle, Kate McDonough, Kaylynn McDorman, Mandie McKeldin, Patricia McKew, Kelly McLean, Kathryn Medeiros, John Medell, Jalin Meenattoor, Emmanuel Meenattoor, Rachel Merrey, Katie Metker, Zoe Milam, Paicence Miller, Anita Miller, Carole Miller, Rick Mills, Janine Molina, Maya Moran, Dana Moran, John Mosley, Tamara Munaga, Deepthi Murphy, Reina Musante, Paul Musters, Isabel Nagy, Brianne Nakhla, Carter Nasuta, Sue Nichol, Virginia Nichols, Jessica Nishiura, Meredith

O'Brien, Pamela OCanas, Zach Olszar, Carl Orlando, Joey Palmer, Molly Pappas, Caroline Parobeck, Sandy Pascarello, Lillian Peeler, Mary Penczek, Bruce Perry, Noah Phillips, Jacqueline Prince, Adam Queen, Ani Ransi, Sonse Rathbun, Nancy Ray, Austin Ray, Jacqui Reek, Neal Regan, John Reif, Michael Rhodes, Ron Rhodes, Smriti Rich, Jessica Richardson, Tre Roberts, Dawn Roberts, Mark Robinson, Adonna Robinson, Justin Robinson, Miracle Rosenberg, Laurie Rowley, Jill Russell, Natalie Russell, Norm Sager, Olivia

Salter, Julie

Sampath, Aara Sanborn, Shannon Santiago, Melissa Sarong, Faith Scherer, Alethea Schiavone, Kostek Schneider, Linda Schoneweis, Dylan Schull, Jo Schwartz, Allison Schwartz, Claire Scigala, Victor Sears, Wes Seldomridge, Mary Sevison, Beth Seward, Theodore 'Teddy' Shaw, Diane Shute, Maya Simke, Grea Simke, Nicole Simke, Sylvia Simon, Samaria Sirhandi, Omar Sisulak, Mary Skevakis, Shannon Sklar, Brian Sloand, Beth Soth, Roy Southall, Rae'den Sparks, Benjamin Spensley, Michael

Stabile, Carolyn

Sullivan, Erin

Surhoff, Mason

Sydnor, Nancy

Stefanisko, Karen

Sundvall, Emmaline

Tannebaum, Maddie Tannenbaum, Alex Taylor, Lauren Teather, Christian Thewes, Joanna Thewes, Michael Thiessen, Mika

Thompson, Robert Torres, Jo Trinh, Jubilee Turton, Tadun Var, David Velosa, Juan Venter, Susan Walker, Elijah Walsh, Ruby Wandor, Jasper Wanner, Karen Waugh, Steven Way, Angela J West, Peter White, Jewel White, Tonya Williams, Maiyah Williamson, Jonathan Woods, Kristie Wright, Kaile Wyatt, Caralin Wyatt, Tristan Young, Brie Zabel, Xandr

Groups Amazon Web Services In Communities **BDO USA,LLP** Hose 2 Habitat CFG Bank Chase Coffman Engineering Constellation Energy Franklin and Prokopik **Girl Scouts** Henry Hall Fellowship L!VE Casino M&T Bank **NASA PAAC** Otis Elevator Rosedale Federal S&L

BGE: Environmental Management Unit Contech Engineered Solutions EA Engineer Science and Technology Gilbane Building Company Johns Hopkins: Alpha Phi Omega McDaniel College: Honors Program Morgan State: F.U.T.U.R.E. Navy Fleetweek Volunteer Group Prime Care Animal Hospital SC&H Group Southway Builders, Inc. St.Timothy School Textron Systems Young Professionals Assoc. The CollegeBound Foundation Towson All Star Cheer Club Towson Hammertime Ultimate Frisbee Team Towson Men's Ice Hockey Towson University: Do Better Towson University: National Council of Negro Women Towson University: Sisterhood Towson University Figure Skating Club UMBC's Enrollment Management Under Armour Parents ERG United States Navy Whiting-Turner



ANNUAL REPORT CONTRIBUTORS

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The Maryland Zoo in Baltimore is a non-profit organization accredited by the Association of Zoos and Aquariums.



The Maryland Zoo in Baltimore 1876 Mansion House Drive Druid Hill Park Baltimore, MD 21217-4474

HOURS OF OPERATION

Administrative offices are open Monday through Friday, 8:30 a.m. to 4:30 p.m. The Zoo is open to the public from 10 a.m. to 4 p.m., daily during the months of March through December, and Friday through Monday during the months of January and February. The Zoo is closed Thanksgiving Day and Christmas Day.

When planning your next visit, please check the Zoo's website—www.MarylandZoo.org—for timely updates on events, programs, exhibits, and improvements. Follow the tabs on the website to reach any Zoo department, including Group Sales, Membership, and Learning & Community Engagement.

