



MINNESOTA ZOO[®]

Changing how you see the world

Annual Report 2003

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Letter from the Director

The Minnesota Zoo celebrated a quarter of a century of operation in fiscal year 2003. While still thought of as the “New Zoo” by many Minnesotans, there is now an entire generation that has grown up with our 485-acre treasure trove in Apple Valley. Throughout our birthday year, it was a pleasure to hear visitors share their memories of the Zoo with their children and grandchildren. The Zoo is now an indelible part of the Minnesota experience, and we look back with pride on the many millions of guests we have served and the many wildlife conservation efforts we have launched and supported over the years.

It was a year of reflection as well as celebration. We lost one of the Zoo’s founding fathers—Dr. Ulysses S. Seal—a visionary who created an international legacy through his innovative linkage of zoos, governments, local communities and scientists in service of conservation. ‘Ulie’s’ accomplishments will be memorialized through conservation grants disbursed by the Zoo in his honor. New and improved exhibits on the Tropics Trail highlight the Zoo’s partnership with the Conservation Breeding Specialist Group (CBSG) and International Species Inventory System (ISIS), two vital conservation organizations founded by Dr. Seal and based out of our Zoo campus.

A second consecutive year of severe state budget cutbacks and a sluggish economy challenged the Zoo and our supporters. The Zoo’s dedicated staff worked with the Zoo Board and Zoo Foundation to find new avenues for generating community support, and together found ways to continue to deliver a unique mix of education and recreation in service of wildlife conservation. One of these new ventures—the Harvest Hoe-Down event—celebrated the phenomenal support provided by Jim and Carmen Campbell and Wells Fargo Bank. Our Membership Program had its best year ever; over 29,000 individuals and households now enjoy the benefits of being part of the zoo family.

The pages in this report record the many accomplishments of the past year, as well as some of our exciting plans for the future. We look forward to even greater success as we begin our second quarter of a century as one of Minnesota’s premier cultural institutions.

Sincerely,
Lee Ehmke



Director / CEO, Minnesota Zoo



Letter from the Chairs

Birthdays are a time for celebration as well as reflection. The Minnesota Zoo's 25th birthday is a milestone—an opportunity to pause and reflect, regroup and then move forward into the next 25 years. It is a time to refocus our goals for the future.

The Zoo, which opened in 1978, was formed via a partnership between the State of Minnesota, Dakota County, the City of Apple Valley and the citizens of Minnesota. The original master plan envisioned the Zoo as a destination for people from all areas of the state as well as national and international visitors. Animals from all over the world were to roam the wilds of the 485-acre site.

Although the original master plan was only partially developed, the Minnesota Zoo quickly made its mark. The Minnesota Zoo was the first major zoo of its kind—a Zoo where animals were placed in realistic environments, rather than in cages. This advent in zoo design quickly became a trend worldwide and today Zoo guests learn about animals in the context of their environments, rather than as mere stand-alone curiosities.

Over the past 25 years, more than 25 million guests have visited the Minnesota Zoo. Among these guests were millions of school children—who departed with a greater understanding of wild animals and the wild spaces they inhabit. The Species Survival Plans™ (SSP) developed and implemented here help protect the future of some of the world's most amazing creatures. Countless endangered species have been born, raised and studied at the Zoo to help ensure their survival in the wild. In addition, conservation outreach programs funded by the Zoo help protect animals in situ.

These accomplishments, and many more, have made the past 25 years a great success. However, we can not afford to rest on our laurels. Advances in exhibit design and zoo philosophy have burgeoned since the Zoo opened. The public's expectations of entertainment have changed dramatically. This is a challenge that all museums, zoos and aquariums are facing. The ones that survive and flourish are the ones that continue to invest in the valuable resource that they hold.

To ensure that the next 25 years are as successful as the first, the Zoo needs to focus its pioneering spirit and pursue several new avenues. Working closely with our partners—the State of Minnesota and its businesses and citizens—it is time to implement the Zoo's new master plan. This master plan will pick up where the original plan left off. Interactive exhibitry and an expanded collection will attract new guests while keeping loyal zoogoers interested. In addition, opportunities for revenue generation, innovation in operations and cost savings must continue to be pursued.

These actions will allow the Minnesota Zoo to continue the valuable service it provides to the State of Minnesota. The Zoo's mission—strengthening the bond between people and the living earth—involves preserving species, increasing public awareness of conservation issues and educating Minnesota's children. The future of the Zoo is at a pivotal point. More than ever, we need support from all who care about the Zoo's future. With this support, we will be able to realize our vision and create a true jewel in the state crown.

We look forward to working with all of the Zoo's constituents to continue to develop this State treasure. The upcoming legislative bonding session is of the utmost importance to providing the funds needed to bring the Zoo into the next 25 years and beyond. Please let your representatives know how you feel about the Minnesota Zoo.

Our birthday wish is for the next 25 years to be even more successful than the first!



Charlene Jundt
Chair
Minnesota Zoo Board of Directors



Jeffrey A. Ruehle
Chair
Minnesota Zoo Foundation Board of Trustees

Bioprograms, the zoo division responsible for all aspects of animal care and management, had a busy birthday year. Although animals are born into the Minnesota Zoo collection every year, the 25th year of the Zoo's existence was marked by some very special births.

The Zoo's dolphin pod, charismatic to begin with, added a special new member. On August 16, 2002, Rio (age 29) gave birth to a very energetic 30-pound calf. The calf's father Semo (age 39) is the oldest dolphin on record to sire an offspring. This was the first dolphin calf born at the Zoo in six years. The calf, in a contest sponsored by Mervyn's and the Pioneer Press, was named Spree. By the end of the year, Spree was participating in the Comcast Dolphin Show with the rest of the pod.

On May 19, 2003, the Zoo's new pair of Mexican wolves produced a litter of seven pups. On June 30, the pups were given their first inoculations, weighed and sexed. Three of the pups are males and four are females. Mexican wolves, once extinct in the wild, are now managed in Northern American Zoos under the Species Survival Plan™ (SSP) species. The federal government sponsors programs to reintroduce this canid to its former range in the southwestern United States. These births at the Minnesota Zoo increased the total number of Mexican wolves in existence by three percent!



Above: Spree with Rio and D.J.

Right: Mexican wolf pup

Below: Sichuan takin, shortly after the calf's birth.



Birthday

A number of Zoo guests had a special treat when, on May 11, a takin calf was born on exhibit. An excited group watched as the mother takin cleaned her calf and gently nudged him to his feet—in time to lead him to the takins' off-exhibit night quarters.

Other births included a red panda cub, an American Cream draft horse filly, three meerkats and a pygmy loris. The pygmy loris was initially rejected by his mother and was reared separately for a while. In order to meet the needs of this social animal, it was decided to house the pygmy loris with the slow loris group. The arrangement worked splendidly—the pygmy loris has social contact and is encouraging the slow loris pair to be more active.

Bailey the male gibbon, who turned one this year, had a “gibbon birthday party.” Zookeepers made special birthday cupcakes from bananas, dates and other gibbon delicacies. As Tia and Bailey munched on his cakes, Zoo guests gathered around a table to learn more about endangered white-cheeked gibbons.

Several species in Species Survival Plan™ (SSP) were recommended for breeding. The Amur tigers, the white-cheeked gibbons and the clouded leopards are all on the “approved for breeding” list. Animal breeding is not as straightforward as it sounds. Introductions need to be made at the correct time and the animals must be sexually mature as well as compatible. There are a host of other variables that factor into successful breeding.



Above Left: Preschoolers help Bailey the male gibbon celebrate his 9th birthday.
Above Right: Baby meerkat.
Below Left: American Cream filly.
Below Right: Clouded Leopard.

Introducing clouded leopards provides a prime example of some of the issues faced in breeding Zoo animals. Over the past year, our Zoo keepers have been working diligently to introduce two clouded leopards here at the Zoo. It is a slow and painstaking process. If two “cloudies,” as they are affectionately called, are placed together without proper introduction, one may kill the other. So far this introduction has been going smoothly.

Aside from managing and caring for all the Zoo’s animals, Bioprograms staff took part in special events for Zoo members and participated in community events.

Prince and Duke, the American Cream draft horses at the Wells Fargo Family Farm, participated (with the help of farm staff) in the Apple Valley Fourth of July parade, the State Fair Parade and the Aquatennial parade. Meanwhile, Ross (the farm’s new border collie) kept things in line back at the farm.

Zoo keepers organized and presented several members-only nights. Zoo members spent an evening behind-the-scenes at the Zoo, making enrichment items for the animals and learning more about Komodo monitors and Sun bears. Zoo Olympics, new this year, was well received.

The American Association of Zoo Keepers (AAZK), in partnership with the Minnesota Valley Humane Society (MVHS), presented Dog Gone Wild. Dogs

Biography



Left: A hornbill curiously pecks at a piñata, an enrichment activity created at a members-only enrichment night. The piñatas spark activity with the animals and give them mental and physical challenges to reach the treat inside.

Above: An Amur tiger with an enrichment piñata disguised as a deer, complete with paper antlers and fur.

Below: Northern Trail intern Becky Bishop with a Red Panda cub.



and their best friends gathered at the Puma Park Pavilion to vie for prizes in categories ranging from “Most Mysterious Heritage” to “Funniest Tail.” Proceeds were donated to the MVHS.

The Northwest Airlines World of Birds Show continued to fill the Weesner Family Amphitheater with delighted spectators. Floyd, the rose-breasted cockatoo continued his fund-raising efforts on behalf of the hyacinth macaw restoration program at BioBrasil. Over \$15,000 has been raised over the past two summers to help save the habitat and lives of these endangered birds.

In order to keep its avian stars safe and healthy, screens were installed over the birds’ enclosures. The screens keep out mosquitoes which may carry West Nile virus. In addition, birds are now put on their outside perches only during “mosquito-free” times.

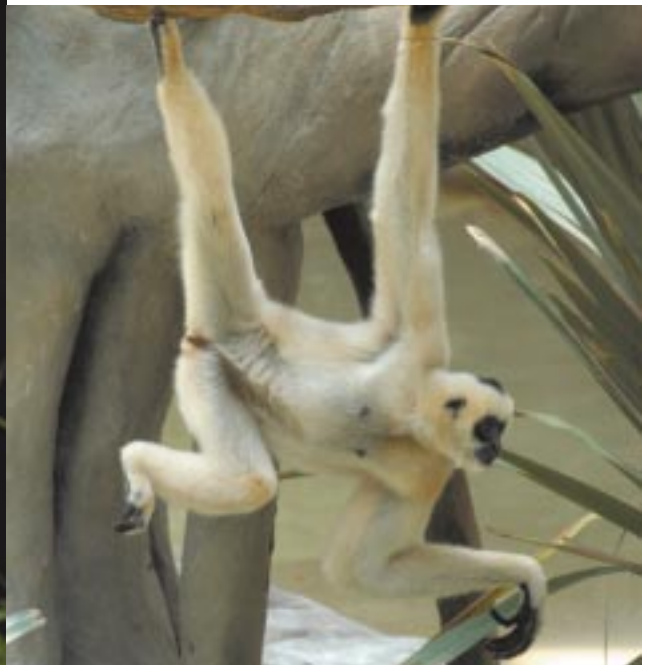


Above Left: Baby Pygmy loris.

Above Right: Armadillo

Left: Dr. Onnie Byers, Executive Officer, Conservation Breeding Specialist Group (CBSG) holds Ulie, one of seven Mexican gray wolf pups born at the Minnesota Zoo May 19, 2003. Ulie was named after Dr. Ulysses S. Seal, founder of CBSG, who passed away March 19, 2003 after a battle with cancer.

Below: A female White-Cheeked gibbon.



A quarter-of-a-century of Minnesota Zoo conservation efforts was highlighted on the Zoo's new Conservation Wall. Located at the head of the Tropics Trail, the wall brings some of the Zoo's best kept secrets to light. Guests will learn through this new wall that the Zoo is an international leader in tiger conservation, a participant in many SSP programs and an advocate and driving force for saving wildlife and wild lands the world over. Initiatives of the International Species Information System (ISIS) and the Conservation Breeding Specialist Group (CBSG), both located at the Zoo, are also featured on this wall.

The Tiger SSP, coordinated by Dr. Ron Tilson, Director of Conservation, continues to manage captive populations of three of the five remaining tiger subspecies. As of March 2002, there were 90 SSP member institutions holding 267 tigers. The Tiger SSP aims to expand the population to fill the 450 spaces suggested by the AZA Felid Taxon Advisory Group—150 of the three subspecies of tiger.

The newest in-situ conservation initiative of the Minnesota Zoo and its conservation partners focuses on integrated tiger protection and monitoring in Bukit Tigapuluh National Park (BTNP) of Sumatra, Indonesia. BTNP is one of the most recent national parks created in Indonesia. It is also one of the most biologically important. Notable species within the park include the Sumatran tiger, Malayan tapir, Asian elephant, black-handed gibbons, siamang, golden cats and clouded leopards. This park has been designated a Biodiversity Hotspot and may perhaps sustain a viable tiger population. This new in-situ effort will implement an intensive tiger protection system in BTNP.

Right: Sumatran tiger photographed in a camera trap in Bukit Tigapuluh National Park in Sumatra, Indonesia.

Below: Three curious tiger cubs are also photographed using a camera trap.



Field activities in BTNP this year included mapping of illegal activities and boundary problems throughout the park, surveying tiger and prey distribution, remote-camera monitoring and biodiversity inventory. Coordination with local organizations and government departments has been strengthened.

At Way Kambas, another national park in Indonesia, conservation efforts in partnership with the Minnesota Zoo continued. Remote cameras monitor core tiger distributions. Evaluation of current crisis conditions in and near the park are underway and Tiger Protection Units were set up in the park.

The 5Tigers website, focusing on tiger conservation and information has won numerous awards during its ninth year of existence. It was cited by bigchalk.com, a directory of exceptional educational sites on the web, as being in the top 2% of over 110,000 sites based on its rich content and academic relevance. It also received the 'Altscape Quality Mark for Information,' an international honor for achievement in web-site technology, creativity and content.

On average www.5tigers.org is viewed by 6,500 unique visitors each day—2.4 million sessions a year. In FY03, 5tigers logged visitors from each one of the United States, Canada and 120 other countries. The site was supported in FY03 by a grant from the National Fish and Wildlife Foundation's Save the Tiger Fund.

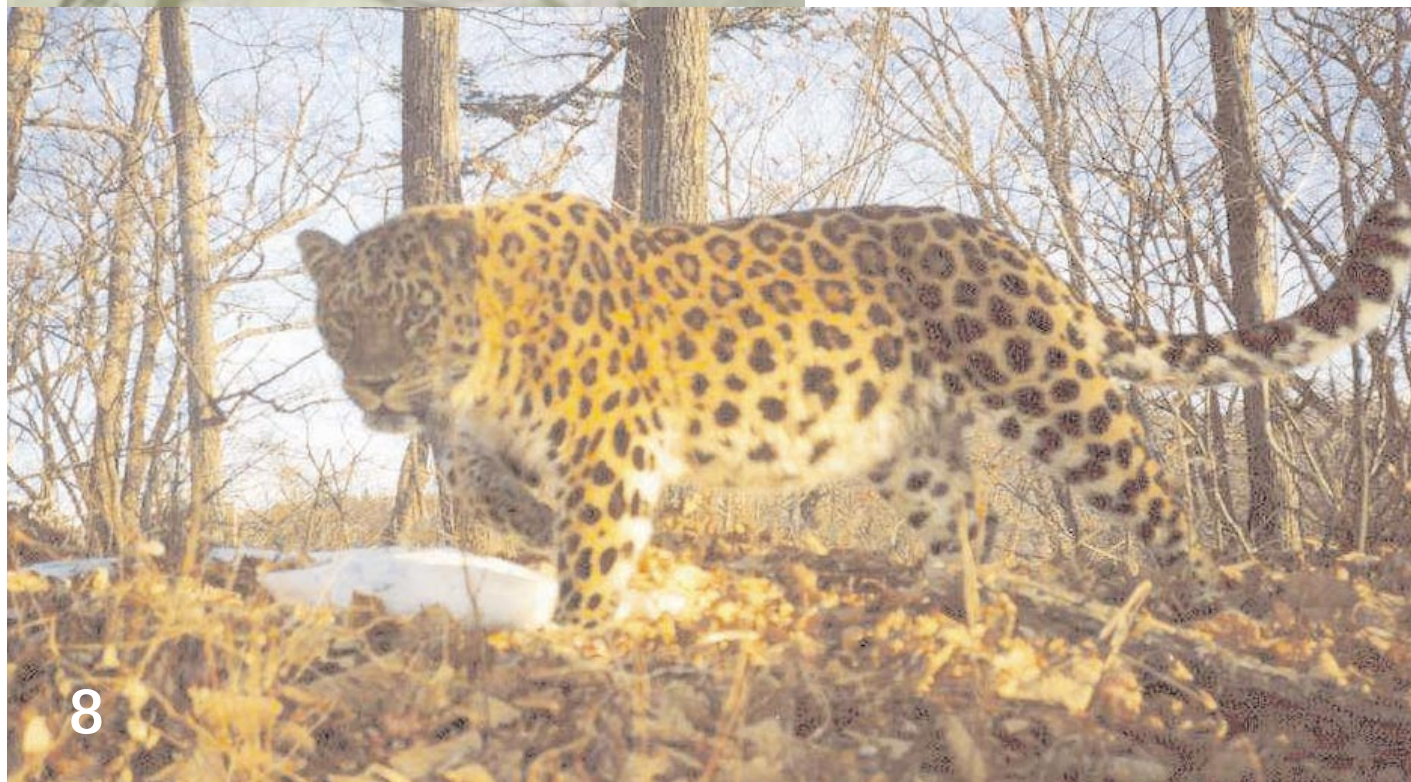


Left: A pair of Mexican wolf pups at about four weeks of age.

Above: Trumpeter swans with their cygnets on Main Lake.

Bottom: Amur leopard in its true natural habitat.

Opposite page: Javan rhinoceros in Ujung Kulon National Park in Indonesia.



The Minnesota Zoo's Adopt-A-Park program in Ujung Kulon National Park, Indonesia, entered its thirteenth year. The program helped support the census of wild Javan rhinos being conducted by World Wildlife Fund (WWF)-Indonesia. In Bukit Barisan Selatan in southern Sumatra, the American Association Zoo Keepers is funding ongoing field operations of "Rhino Patrol Units (RPU)." RPUs are the only method proven to effectively protect tropical forest rhinos.

The Conservation Advisory Team (CAT) continued to award funds to projects championed by Minnesota Zoo staff. Priority is given to projects with a direct link to field-based conservation, but worthy zoo-based conservation research projects are also considered. Projects supported this year included the Turtle Survival Alliance Conservation, the Amur Leopard Field Census Conservation Program, the Green Aracari Genetic Analysis Project and several others.

In addition to the installation of the Conservation Wall, other conservation efforts continued at home. As mentioned earlier, the birth of seven Mexican wolf puppies made a significant increase in the population of that species. The Trumpeter Swan Restoration Project, in conjunction with the Minnesota Department of Natural Resources, entered its 23rd year. This year, 10 swans were released at the Heron Lake Complex in Windom, Minnesota on May 17, 2003. The Zoo has provided over 110 swans to the Restoration Program since 1980.



Conservation

Education

The Minnesota Zoo continued to be a popular destination for learning as well as fun. In FY03, over 104,000 students in grades K–12 visited the Minnesota Zoo on school outings. This represents 11.1% of Minnesota students in both public and private schools. Over 20,000 of these students participated in education programs while at the Zoo. Teachers wishing to supplement their Zoo visit could choose from several updated curriculum guides this year. An online registration system developed this year will make planning a trip to the Zoo much more convenient in the future.

Education programs included favorites from years past as well as many new offerings. A popular program from past years, the Environmental Arts Festival, was reintroduced this year. It proved very popular—over 5,000 students participated during the four-day festival. They explored art displays, watched performances and made animal art from recycled objects.

In mid-May, the State 'Envirothon' was held at the Wells Fargo Family Farm at the Zoo. Competing high school students from around the state visited different stations to be tested on their knowledge of various environmental issues. The state winner traveled to Emmitsburg, Maryland to participate in the national contest. Minnesota's team placed 18th overall in the national contest.

Thanks to generous funding provided by the William W. and Nadine M. McGuire Family Foundation and the Rick Confer family, over 6,300 children



Above: Students participate in Geography Day.
Right: A curious infant gets a closer look at the Zoomobile's armadillo.

Below: High school students present an information booth for Spanish Day.

Opposite page: Kids in the Mentor program get a behind-the-scenes tour of the Tiger barn with keeper Ross Taylor.



and their chaperones were able to participate in a Zoo Safari this past year. The Zoo Safari program, for the sixth consecutive year, provided a free day at the Minnesota Zoo for students in the Rochester, Mankato and Saint Paul public schools.

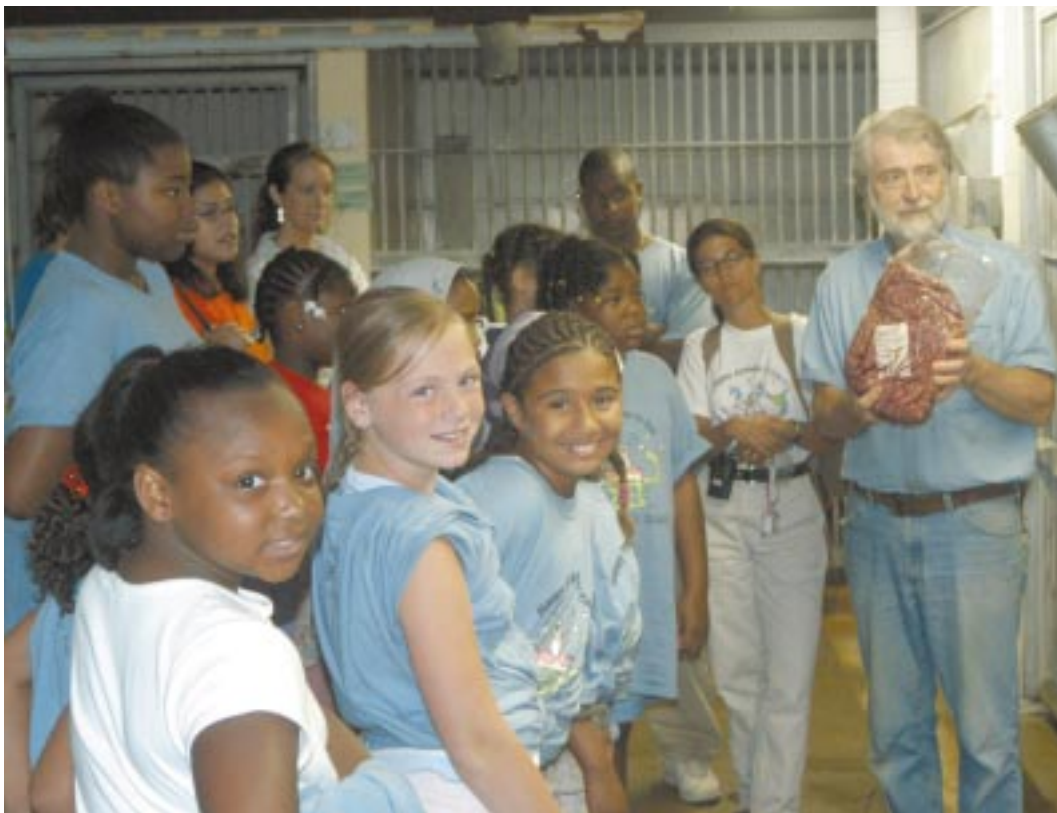
Close to 100 budding scientists participated in hands-on science at the Zoo through our Mentor program, thanks to the Medtronic Foundation. For the 11th consecutive year, the Medtronic Foundation awarded a STAR (Science and Technology are Rewarding) Grant to the Minnesota Zoo. This science education initiative provides learning experiences for 6th–9th grade students from Minneapolis and Saint Paul area schools. Its focus is on female and minority students traditionally underrepresented in science.

Wild Wonders, a new preschool package, was offered for kids who want more than our single day preschool classes. The nine-week student-directed unified curriculum is based on animals, plants and seasonal change.

Summer Zoo Camps continued quickly reach capacity. Three new camps were created this year. Animal Olympics allows first and second graders to explore animal “record holders.” Fifth and sixth graders had two new options—Ocean Commotion and Pizza Pigout. Our Zoo Crew program, for seventh and eighth graders, continued to grow in popularity, with five weeks of programming filling this year. All Zoo camps provide close-up animal encounters, plenty of hands-on learning and tons of fun!

The Minnesota Zoo continued its long-standing partnership with the School of Environmental Studies (SES) that is located on Zoo grounds. This proximity allows students from SES to use the Zoo as a classroom. Zoo staff served as adjunct faculty for several SES courses including Animal Behavior and Marine Biology.

SES students were instrumental in several Education Special Event days. They created and presented exhibits for several events including Geography Day, World Language and Math Days, Earthfest and the Environmental Arts Festival.



Budding
Scientists

Artistically-inclined SES students helped design and paint photo opportunity cutouts for the butterfly garden and designed the logo for the 2003 Zoo Camp T-shirt. Over 20 SES students completed individual projects at the Zoo. One of these events, 'Rockin' for Rhinos,' raised over \$300 for rhino conservation in Indonesia.

Girl Scout Day and Boy Scout Day were added this year, reaching several hundred Scouts. Zoo naturalists and older scouts worked together to provide activity stations for younger scouts to work on badge requirements. A special Minnesota Zoo badge was also created. Scouts can visit the Zoo year-round and complete a scavenger hunt to earn their Minnesota Zoo badge.

Zoomobile, our classroom on wheels, logged close to 32,000 miles traveling from Warroad to Winona and all points in between. Overall, Zoomobile staff presented 672 hours of programming and reached close to 50,000 people. Zoomobile animals and staff were instrumental in the Zoo's monthly appearances on KARE 11. This year, Zoomobile was sponsored in part by J.R. Jones Fixture Company.



Above: Zoomobile's Kevin Wier and a red-tailed hawk with two young zoo goers.

Left: Aquarist Dan Peterson displays the diets of the fish in Discovery Bay to a group of students participating in the Aquatic Encounters overnight program.



Opposite page:

Top Left: Two young girls enjoy treats at the Members' Ice Cream Social.

Right: "Ouch" served as our 25th Birthday symbol.

Bottom Left: A Minnesota Zoo volunteer transform this mom into a cat as her little girl watches on.

Planning and executing a 25-year birthday party is no small task. A team of individuals representing all areas of the Zoo worked together on the planning. The birthday celebration was a significant milestone for the Zoo, providing a platform to recognize and celebrate the Zoo's successes over the past quarter of a century. The Zoo's birthday was highlighted over an eight-month period, beginning in January, 2003.

In partnership with Ordway Center for the Performing Arts, the Zoo was able to have "Arcazaar", one of four Luminarium exhibits designed by Alan Parkinson with Architects of Air, as part of the celebration June 4-8, 2003. Hailing from England, the Luminarium has been described as "walking into a kaleidoscope." The official birthday weekend, June 21 and 22, featured music, puppet shows, face painting, birthday treats and special keeper talks.

One of the highlights of the birthday celebration was the members-only birthday ice-cream social. Friends and families gathered at Green Acres park to enjoy ice-cream sundaes and refreshments. Kids participated in Mini Zoo Olympics and Zoomobile provided some face-to-face time with the animals.

The Zoo partnered with the Foley Group and Periscope to promote the birthday festivities as well as other activities. Periscope designed the charming birthday icon of Ouch the porcupine clutching a handful of balloons.

In addition to the birthday events, Zoo guests enjoyed ten other special events. The new winter holiday event was the Polar Adventure. Reindeer and sled dogs visited the Zoo as did many well-bundled adventurers! Tropical Beach Party and Animals, Books and Children weekend continued to draw crowds as well.

The newly remodeled Sun bear exhibit on the Tropics Trail, sponsored by Flint Hills Resources, was completed just in time for Sun Bear Weekend. Preparation of the new exhibit required the expertise of exhibit staff, carpenters, welders, electricians, education and bioprograms staff and many others.

Open House



Presenting Sponsor:



Co-Sponsor:



More “behind-the-scenes” work took place in order to make use of the infrastructure funds provided by the State of Minnesota. Projects included the repair of the perimeter fence, replacement of several damaged sidewalks and curbs, parking lot and service road repair and replacement of our front-entry gate.

The Tiger Roar Store was converted to the Wild by Nature Store. Sales for both gift stores totaled more than \$1 million. A Zoo guidebook was published and offered for sale in the Zoo gift store per the request of many shoppers.

New revenue-generating enterprises at the Zoo included camel rides and a rock climbing wall.

For the second consecutive year, sales programs revenues (group sales, evening events and company picnics) not only met, but exceeded, their targets! Despite the drastic downturn in the national economy, sales revenues reached the highest total in Zoo history (\$893,870).

Membership also had a banner year. 29,214 memberships (nearly \$900,000 worth) were purchased—a record in the Zoo’s 25-year history! Zoo staff at the Guest Services desk helped the membership office reach this spectacular achievement.



Left: Camel rides allowed guests to try another form of transportation.

Above: Garfield joined the Zoo for the Birthday celebration.

Below: The Luminarium was an extraordinary experience of color and light for guests.



After 10 seasons, the Zoo is still the most popular venue in the metro area for outdoor concerts. Close to 21,000 guests enjoyed the 18 concerts in this year's "Music in the Zoo" series. Guests could join a pre-concert picnic on the main plaza with food from Famous Dave's and a variety of beverages. "Music in the Zoo," held in the Weesner Family Amphitheater, continues to draw a diverse audience with a wide variety of musical interests. This year's performers included Greg Brown, Taj Majal and perennial favorite Marc Cohn.

The ubiquitous folks in blue, the Zoo Volunteers, helped keep the Zoo running for the 25th straight year. In FY03, 768 volunteers donated over 102,000 hours. This devoted corps of volunteers helped students unload from buses, offered maps and directions, answered questions, conducted animal demonstrations and many other services.



Left: Volunteer Pat Koors shows a hedgehog to guests at Zoo Day at the Capitol.
Above: Call of the Wild Cafe transformed into a beautiful evening event space.
Below: Taj Mahal packed the Weesner Family Ampitheatre for one of his two sold-out shows.



Open activations

Development



The first annual Harvest Hoe-Down, sponsored by Green Giant and Wells Fargo, was held on October 5, 2002. More than 3,000 people attended the daytime event. When nighttime arrived, Zoo supporters do-si-doed the night away in the hay barn of the Wells Fargo Family Farm. *Left: Kris Stenson, 2002 Harvest Hoe-Down Chair, with Jim and Carmen Campbell, the guests of honor. Right: Saint Paul Mayor Randy Kelly serenades Jim and Carmen Campbell with Jeff Ruehle, chair of the Minnesota Zoo Foundation Board of Trustees.*



In December, we held a dolphin baby shower for Spree and her mom, Rio. This was the first dolphin birth at the Minnesota Zoo in six years. In June, we welcomed Comcast as the sponsor for our Dolphin show in Discovery Bay.



Generous support for the Tiger Conservation Program was provided by the National Fish and Wildlife Fund. This year, the Mentor Program offered nearly 100 students from disadvantaged communities an opportunity to focus on science and math applications in a Zoo setting. Major support for this program is provided by the Medtronic Foundation.



The Carolyn Foundation provided funding to complete schematic planning for the Gateway to the North Project. With this support, a concept development plan was completed for the "Bears of the Ussuri" exhibit, shown here. This exhibit will take Zoo visitors from the coastal waters to the highlands of Russia while immersing them in the realistic habitats of sea otters, brown bears, leopards and wild boar.



The 15th annual Beastly Ball, the Zoo's black-tie fundraiser, was held on April 25, 2003. This year's theme was "25 Wild Years—One Rip-Roarin' Night." And a rip-roarin' night it was—\$160,000 was raised!

Left: Tom Brodmerkel, Minnesota Zoo Foundation Trustee and Marie Brodmerkel, Chair of the 2003 Beastly Ball. Right: Amelia Santaniello, Suzy Kurvers, Dennis Douda and Minnesota Zoo Director Lee Ehmke. Amelia and Dennis, both WCCO TV news anchors, served as the celebrity emcees for the event's live auction.



J.R. Jones Fixture Company provided major support for the Zoomobile program. The Zoomobile travels to schools and community events throughout Minnesota and beyond, providing an educational and entertaining environmental experience to a variety of audiences. *Rachael Kroog, a Zoomobile naturalist, and one of the Zoomobile animals.*

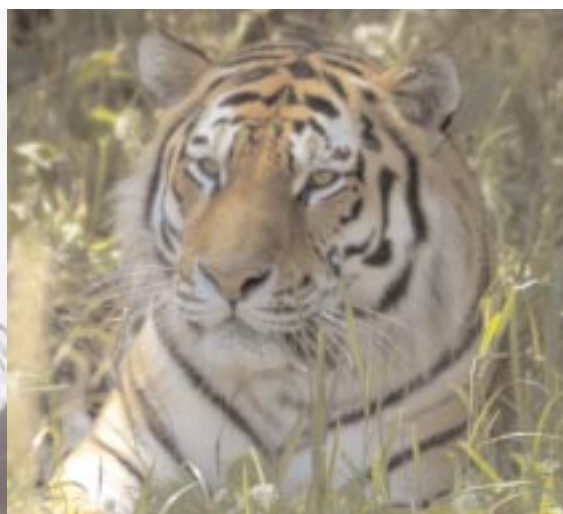
Development



Zoo VIPs and members celebrated the Zoo's 25th birthday with a special evening at the Zoo. It was a chance for the Minnesota Zoo to thank all of those who have supported the Zoo throughout the years and look ahead to the years to come. *Left: Will Branning, Dakota County Board Chair and Minnesota Zoo Board member, and Judy Branning. Right: Minnesota Zoo Board member Dennis McGrath and his grandson.*



The Zoo relies on the support of many generous contributors to fund its educational programming. *Junior high school students take part in one of the many Zoo classes offered to school groups.*



Tiger conservationists braved the chill weather to golf at the 2nd annual Tiger Conservation Golf Classic. The Classic, held at the North Oaks Golf Club, raised \$20,000 toward the Zoo's Conservation Fund. *Left: Minnesota Zoo Foundation Trustee Warren Bielke and Mid Bielke. Right: Amur tiger*



Left: The renovation of the Sun bear exhibit on the Tropics Trail was made possible in part by Flint Hills Resources. The re-opening of this exhibit was celebrated during Bear weekend, in which Flint Hills Resources collected a "Blue Planet Gas" Volkswagen Beetle full of donated teddy bears for the Children's Home Society. *Left: Sun bear finds a treat inside of branch in the exhibit. Right: The Twin Cities Subaru dealers sponsored the Meerkats of the Kalahari exhibit.*



Northwest Airlines was once again sponsor of the World of Birds show. The Bird Show, held in the Weesner Ampitheatre during the summer and the indoor theatre in the winter, provides guests with an up-close experience with many different species of birds, representing environments from all over the world
Left: Dave Cruz, Bird Show naturalist and an albino red-tailed hawk. Right: Hyacinth macaw.



During the sixth year of the Zoo Safari program, more than 6300 third graders from the Mankato, Rochester and Saint Paul public school districts visited the Zoo courtesy of the William W. and Nadine M. McGuire Family Foundation and by Rick Confer through the estate of Elizabeth A. Confer.

Devlopment

The Minnesota Zoo gratefully acknowledges contributions made between July 1, 2002 and June 30, 2003.

GIFTS OF \$50,000 OR MORE

The Carolyn Foundation
Ellie and Tom Crosby
Edward N. and Sherry Ann Dayton
Gary and JoAnn Fink
William W. and Nadine M. McGuire
Family Foundation
Norstan Communications Inc.
Donald Weesner Charitable Trust

GIFTS OF \$25,000 OR MORE

American Association of Zoo Keepers
The Cargill Foundation
John and Linnea Castro
Comcast
Flint Hills Resources
General Mills Foundation
J.R. Jones Fixture Company
The Medtronic Foundation
National Fish and Wildlife Foundation
and Exxon, Save the Tiger Fund
Subway Restaurants
Wells Fargo Foundation Minnesota
James R. & Jan R. Zicarelli

GIFTS OF \$10,000 OR MORE

Anonymous (1)
Alliant Techsystems Inc.
Dakota Electric Association
Ecolab Foundation & Ecolab Inc.
Gray Plant Mooty Foundation
Land O'Lakes Foundation
Bridget and Ross Levin
Peter and Kris Maritz
Meredith Fund of the Women's
Foundation of Minnesota
Peter and Karla Myers
Mike and Rozie Parish
George T. and Linda J. Steiner
Twin Cities Orthodontic Specialists
Twin Cities Subaru Dealers
U.S. Bancorp Foundation
Xcel Energy Foundation

GIFTS OF \$5,000 OR MORE

ADC Foundation
Andersen Foundation
Warren and Mid Bielke
Canterbury Park
CDF Foundation
Rusty and Burt Cohen
The Estate of Elizabeth A. Confer
Kevin L. Crudden and Louise M. Segreto
Dodge
Dougherty & Company LLC
Harry J. Haynsworth IV
HealthEast Care System
Al and Brenda Iverson
John Deere Company
KPMG LLP
Lincoln Mercury
Lockheed Martin

Sue and Bill Lurton
Noodles & Company
Thomas and Bette Plumb
PricewaterhouseCoopers LLP
The Estate of Ellis B. Rittmaster
Bruce and Patricia Schadow Fund
of The Minneapolis Foundation
Target Corporation
Treasure Island Resort & Casino
The Valspar Foundation
Todd and Linda Watchmaker

GIFTS OF \$1,000 OR MORE

Sharon Allen
Allianz Life Insurance Co.
Kim and Gloria Anderson
The Bayport Foundation
The Beim Foundation
David M. and Patricia E. Boenigk
Boss Foundation
Carol V. Bossman
Will and Judy Branning
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MAMMAL	60 species	30 June 2003
Common Name	Scientific Name	Specimens
White-Cheeked Gibbon	<i>Hylobates concolor leucogenys</i>	2
Japanese Macaque	<i>Macaca fuscata</i>	15
Slow Loris	<i>Nycticebus coucang</i>	4
Pygmy Loris	<i>Nycticebus pygmaeus</i>	6
Domestic Dog	<i>Canis familiaris familiaris</i>	1
Mexican Wolf	<i>Canis lupus baileyi</i>	9
Swift Fox	<i>Vulpes velox velox</i>	2
Amur Tiger	<i>Panthera tigris altaica</i>	6
Amur Leopard	<i>Panthera pardus orientalis</i>	3
Clouded Leopard	<i>Neofelis nebulosa</i>	8
Fishing Cat	<i>Felis viverrinus</i>	4
Puma	<i>Felis concolor</i>	2
Canadian Lynx	<i>Felis lynx canadensis</i>	2
Aardvark	<i>Orycteropus afer</i>	1
Malayan Sunbear	<i>Helarctos malayanus</i>	2
Red Panda	<i>Ailurus fulgens</i>	4
Wolverine	<i>Gulo gulo</i>	8
Fisher	<i>Martes pennanti</i>	2
Ermine	<i>Mustela erminea bangsi</i>	3
North American River Otter	<i>Lutra canadensis</i>	2
Asian Small-Clawed Otter	<i>Aonyx cinerea</i>	3
Spotted Skunk	<i>Spilogale putorius</i>	3
Binturong	<i>Arctictis binturong</i>	2
Slender-Tailed Meerkat	<i>Suricata suricatta</i>	9
Bottle-Nosed Dolphin	<i>Tursiops truncatus</i>	5
Big Fruit Bat	<i>Artibeus jamaicensis</i>	36
Indian Flying Fox	<i>Pteropus giganteus</i>	15
Malayan Tapir	<i>Tapirus indicus</i>	2
Asian Wild Horse	<i>Equus przewalskii</i>	9
Domestic Horse	<i>Equus caballus</i>	4
Bactrian Camel	<i>Camelus bactrianus</i>	7
Moose	<i>Alces alces</i>	4
Woodland Caribou	<i>Rangifer tarandus caribou</i>	9
Reeves' Muntjac	<i>Muntiacus reevesi</i>	4
Malayan Chevrotain	<i>Tragulus napu</i>	9
Pronghorn	<i>Antilocapra americana</i>	10
American Bison	<i>Bison bison</i>	6
Takin	<i>Budorcas taxicolor tibetana</i>	4
Musk Ox	<i>Ovibos moschatus</i>	6
Nilgiri Tahr	<i>Hemitragus hylocrius</i>	3
Domestic Cow	<i>Bos taurus</i>	13
Domestic Goat	<i>Capra hircus</i>	50
Domestic Sheep	<i>Ovis aries</i>	10
Domestic Pig	<i>Sus scrofa</i>	27
Matschie's Tree Kangaroo	<i>Dendrolagus matschiei</i>	3
North American Opossum	<i>Didelphis virginiana</i>	2
Three-Banded Armadillo	<i>Tolypeutes matacus</i>	2
African Hedgehog	<i>Atelerix albiventris</i>	3
Large Tree Shrew	<i>Tupaia tana</i>	1
Eastern Cottontail Rabbit	<i>Sylvilagus floridanus</i>	1
Domestic Rabbit	<i>Oryctolagus cuniculus</i>	6
Beaver	<i>Castor canadensis</i>	5
Black-Tailed Prairie Dog	<i>Cynomys ludovicianus</i>	31
Prevost's Squirrel	<i>Callosciurus prevosti</i>	9
Southern Flying Squirrel	<i>Glaucomys volans</i>	19
North American Porcupine	<i>Erethizon dorsatum</i>	3
Cloud Rat	<i>Phloeomys pallidus</i>	1
Norway Rat	<i>Rattus norvegicus</i>	8
Chinchilla	<i>Chinchilla laniger</i>	5
Guinea Pig	<i>Cavia porcellus</i>	3
Total Specimens		438

BIRD	90 species	30 June 2003
Common Name	Scientific Name	Specimens
Bald Eagle	<i>Haliaeetus leucocephalus</i>	2
African Fish Eagle	<i>Haliaeetus vocifer</i>	1
Red-Tailed Hawk	<i>Buteo jamaicensis</i>	3
Harris Hawk	<i>Parabuteo unicinctus</i>	3
King Vulture	<i>Sarcorhamphus papa</i>	1
Eurasian Eagle Owl	<i>Bubo bubo</i>	1
Great Horned Owl	<i>Bubo virginianus</i>	5
Common Barn Owl	<i>Tyto alba</i>	1
Long-Eared Owl	<i>Asio otus</i>	2
Saw-Whet Owl	<i>Aegolius acadicus</i>	1
Hyacinth Macaw	<i>Anodorhynchus hyacinthinus</i>	1
Green-Winged Macaw	<i>Ara chloroptera</i>	1
Military Macaw	<i>Ara militaris</i>	3
African Grey Parrot	<i>Psittacus erithacus</i>	2
Yellow-Naped Amazon Parrot	<i>Amazona ochrocephala</i>	2
Panama Yellow-Crowned Amazon	<i>Amazona ochrocephala panamensis</i>	1
Sulphur-Crested Cockatoo	<i>Cacatua galerita galerita</i>	1

Rose-Breasted Cockatoo	<i>Eolophus roseicapillus</i>	1
Lesser Flamingo	<i>Phoeniconaias minor</i>	14
Black-Necked Stilt	<i>Himantopus himantopus mexicanus</i>	12
Lesser Golden Plover	<i>Pluvialis dominica</i>	1
Spur-Winged Lapwing	<i>Vanellus spinosus</i>	8
Demoiselle Crane	<i>Anthropoides virgo</i>	1
Sandhill Crane	<i>Grus canadensis</i>	1
African Crowned Crane	<i>Balearica regulorum</i>	1
Great Hornbill	<i>Buceros bicornis</i>	2
Trumpeter Hornbill	<i>Bycanistes bucinator</i>	1
Gaudy Red-Throated Barbet	<i>Megalaima mystacophanus</i>	2
Indian Roller	<i>Coracias benghalensis</i>	1
Green Aracari	<i>Pteroglossus viridis</i>	2
Toco Toucan	<i>Ramphastos toco</i>	1
Keel-Billed Toucan	<i>Ramphastos sulfuratus</i>	1
Pileated Woodpecker	<i>Dryocopus pileatus</i>	2
Lesser Green Broadbill	<i>Calyptomena viridis</i>	2
Renauld's Ground Cuckoo	<i>Carpococcyx renauldi</i>	1
Tawny Frogmouth	<i>Podargus strigoides</i>	5
Trumpeter Swan	<i>Cygnus cygnus buccinator</i>	31
Red-Breasted Goose	<i>Branta ruficollis</i>	5
Snow Goose	<i>Anser caerulescens</i>	23
Mandarin Duck	<i>Aix galericulata</i>	12
Pintail	<i>Anas acuta</i>	2
Common Shoveler	<i>Anas clypeata</i>	1
Green-Winged Teal	<i>Anas crecca</i>	3
Falcated Duck	<i>Anas falcata</i>	2
Baikal Teal	<i>Anas formosa</i>	4
Garganey	<i>Anas querquedula</i>	4
Redhead	<i>Aythya americana</i>	4
Wandering Whistling Duck	<i>Dendrocygna arcuata</i>	2
Hooded Merganser	<i>Mergus cucullatus</i>	8
Ruddy Shelduck	<i>Tadorna ferruginea</i>	4
Malay Great Argus	<i>Argusianus argus</i>	2
Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	2
Temminck's Tragopan	<i>Tragopan temminckii</i>	5
Bamboo Partridge	<i>Bambusicola thoracica</i>	3
Crested Wood Partridge	<i>Rollulus roulroul</i>	21
Eastern Wild Turkey	<i>Meleagris gallipavo silvestris</i>	1
Red Spur-Fowl	<i>Galloperdix spadicea</i>	1
Red Jungle Fowl	<i>Gallus gallus</i>	1
Domestic Chicken	<i>Gallus domesticus</i>	140
Black-Naped Fruit Dove	<i>Ptilinopus melanospila</i>	3
Green-Winged Dove	<i>Chalcophaps indica</i>	1
Victoria Crowned Pigeon	<i>Goura victoria</i>	5
Nicobar Pigeon	<i>Caloenas nicobarica</i>	24
Pied Imperial Pigeon	<i>Ducula bicolor</i>	13
Bleeding Heart Pigeon	<i>Gallicolumba luzonica</i>	4
Pigeon	<i>Columba livia</i>	41
Bali Mynah	<i>Leucopsar rothschildi</i>	17
Golden-Crested Mynah	<i>Ampeliceps coronatus</i>	5
Grosbeak Starling	<i>Scissirostrum dubium</i>	6
Red-Eyed Starling	<i>Aplonis panayensis</i>	8
Racket-Tailed Treepie	<i>Crypsirina temia</i>	2
Blue Jay	<i>Cyanocitta cristata</i>	1
Hooded Pitta	<i>Pitta sordida</i>	2
Blue Tit	<i>Parus caeruleus</i>	2
Green Avadavit	<i>Amandava formosa</i>	4
Red-Billed Leiothrix	<i>Leiothrix lutea</i>	42
Black-Throated Laughing Thrush	<i>Garrulax chinensis</i>	4
Yellow-Bellied Laughing Thrush	<i>Garrulax galbanus simaoensis</i>	5
White-Crested Laughing Thrush	<i>Garrulax leucolophus</i>	4
Red-Tailed Laughing Thrush	<i>Garrulax milnei</i>	4
Dhyal Thrush	<i>Copsychus saularis</i>	3
Common Shama Thrush	<i>Copsychus malabaricus</i>	7
Hermit Thrush	<i>Catharus guttatus</i>	1
Rose-Breasted Grosbeak	<i>Pheucticus ludovicianus</i>	5
Fairy Bluebird	<i>Irena puella</i>	4
Catbird	<i>Dumetella carolinensis</i>	1
Black-Naped Oriole	<i>Oriolus chinensis</i>	2
Yellow Warbler	<i>Dendrica petechia</i>	1
Ovenbird	<i>Seiurus aurocapillus</i>	1
American Redstart	<i>Setophaga ruticilla</i>	1
Total Specimens		579

REPTILE	28 species	30 June 2003
Common Name	Scientific Name	Specimens
Boa Constrictor	<i>Boa constrictor</i>	2
Green Tree Python	<i>Morelia viridis</i>	1
Burmese Python	<i>Python molurus bivittatus</i>	1
Ball Python	<i>Python regius</i>	2
Timber Rattlesnake	<i>Crotalus horridus horridus</i>	1
Bullsnake	<i>Pituophis melanoleucus sayi</i>	3

Animal Collection

Cornsnake	<i>Elaphe guttata</i>	3
Western Hognose Snake	<i>Heterodon nasicus</i>	5
California Kingsnake	<i>Lampropeltis getulus californiae</i>	1
Milksnake	<i>Lampropeltis triangulum</i>	2
Komodo Monitor	<i>Varanus komodoensis</i>	2
Malayan Water Monitor	<i>Varanus salvator</i>	1
Savanna Monitor	<i>Varanus exanthermaticus</i>	1
Inland Bearded Dragon	<i>Acanthodactylus vitticeps</i>	4
Glass Lizard	<i>Ophisaurus apodus</i>	2
Prehensile-Tailed Skink	<i>Corucia zebrata</i>	4
Eastern Blue-Tongued Skink	<i>Tiliqua scincoides scincoides</i>	5
Gliding Gecko	<i>Ptychozoon kuhli</i>	8
Leopard Gecko	<i>Eublepharis macularius</i>	8
Tokay Gecko	<i>Gekko gekko</i>	4
Green Sea Turtle	<i>Chelonia mydas</i>	3
Pacific Ridley Sea Turtle	<i>Lepidochelys olivacea</i>	1
Black-Breasted Leaf Turtle	<i>Geomyda spengleri</i>	10
Wood Turtle	<i>Clemmys insculpta</i>	1
Ouachita Map Turtle	<i>Graptemys ouachitensis ouachitensis</i>	4
Eastern Box Turtle	<i>Terrapene carolina carolina</i>	1
Star Tortoise	<i>Geochelone elegans</i>	3
Asian Brown Tortoise	<i>Manouria emys phayrei</i>	6
Total Specimens		89

AMPHIBIAN

8 species

30 June 2003

Common Name	Scientific Name	Specimens
Oriental Fire-Bellied Toad	<i>Bombina orientalis</i>	9
Blue Poison Dart Frog	<i>Dendrobates azureus</i>	1
Sambava Tomato Frog	<i>Dyscophus guineti</i>	3
Caribbean Mountain Chicken Frog	<i>Leptodactylus fallax</i>	4
Grey Tree Frog	<i>Hyla versicolor</i>	3
White's Tree Frog	<i>Litoria caerulea</i>	2
African Bullfrog	<i>Pyxicephalus adspersus</i>	2
Eastern Tiger Salamander	<i>Ambystoma tigrinum</i>	1
Total Specimens		25

FISH

148 species

30 June 2003

Common Name	Scientific Name	Specimens
Swell Shark	<i>Cephaloscyllium ventriosum</i>	8
Leopard Shark	<i>Triakis semifasciata</i>	7
Sandtiger Shark	<i>Odontaspis taurus</i>	3
White Tip Shark	<i>Triaenodon obesus</i>	1
White Spotted Bamboo Shark	<i>Chiloscyllium plagiosum</i>	5
Brownbanded Bamboo Shark	<i>Chiloscyllium punctatum</i>	11
Epaulette Shark	<i>Hemiscyllium ocellatum</i>	1
Snowflake Moray	<i>Echidna nebulosa</i>	3
Zebra Moray	<i>Gymnomuraena zebra</i>	3
Green Moray	<i>Gymnothorax funebris</i>	5
Southern Stingray	<i>Dasyatis americana</i>	7
Longjaw Squirrelfish	<i>Holocentrus ascensionis</i>	16
Longspine Squirrelfish	<i>Holocentrus rufus</i>	2
Red Soldierfish	<i>Myripristis murdjan</i>	9
Crown Squirrelfish	<i>Sargocentron diadema</i>	1
Samurai Squirrelfish	<i>Sargocentron ittodai</i>	10
Dark-Striped Squirrelfish	<i>Sargocentron praslin</i>	17
Bowfin	<i>Amia calva</i>	1
Northern Hognose Sucker	<i>Hypentelium nigricans</i>	1
White Sucker	<i>Catostomus commersoni</i>	13
Tinfoil Barb	<i>Barbus schwanenfeldi</i>	4
Black Shark Minnow	<i>Morulinus chrysophekadion</i>	2
Rosy Barb	<i>Puntius conchonius</i>	80
Flying Fox Fish	<i>Epalzeorhynchus kallopterus</i>	2
Swordtail	<i>Xiphophorus helleri</i>	5
Tarpon	<i>Megalops atlanticus</i>	2
Milkfish	<i>Chanos chanos</i>	10
Painted Greenling	<i>Oxylebius pictus</i>	3
Longfin Sculpin	<i>Jordani zanope</i>	2
Achilles Tang	<i>Acanthurus achilles</i>	19
Blue Tang	<i>Acanthurus coeruleus</i>	2
Powder Blue Surgeonfish	<i>Acanthurus leucosternon</i>	15
Bluebanded Surgeonfish	<i>Acanthurus lineatus</i>	5
Orangeband Surgeonfish	<i>Acanthurus olivaceus</i>	1
Black Surgeonfish	<i>Ctenochaetus hawaiiensis</i>	2

Goldring Surgeonfish	<i>Ctenochaetus strigosus</i>	12
Spotted Unicornfish	<i>Naso brevirostris</i>	11
Bluespine Unicornfish	<i>Naso unicornis</i>	3
Bignose Unicornfish	<i>Naso vlamingii</i>	11
Palette Surgeonfish	<i>Paracanthurus hepatus</i>	16
Yellow Tang	<i>Zebrasoma flavescens</i>	7
Brown Tang	<i>Zebrasoma scopas</i>	4
Sailfin Tang	<i>Zebrasoma veliferum</i>	13
Purple Surgeonfish	<i>Zebrasoma xanthurum</i>	1
Pompano	<i>Trachinotus carolinus</i>	15
Rock Bass	<i>Ambloplites rupestris</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Smallmouth Bass	<i>Micropterus dolomieu</i>	9
Largemouth Bass	<i>Micropterus salmoides</i>	2
Black Crappie	<i>Pomoxis nigromaculatus</i>	21
Threadfin Butterflyfish	<i>Rabdophorus auriga</i>	5
Raccoon Butterflyfish	<i>Chaetodon lunula</i>	4
Latticed Butterflyfish	<i>Rabdophorus rafflesii</i>	5
Pacific Double-Saddle	<i>Rabdophorus uletensis</i>	1
Vagabond Butterflyfish	<i>Rabdophorus vagabundus</i>	6
Muller's Coralfish	<i>Chelmon mulleri</i>	1
Highfin Coralfish	<i>Coradion altivelis</i>	2
Longfin Bannerfish	<i>Heniochus acuminatus</i>	8
Texas Cichlid	<i>Cichlasoma cyanoguttatum</i>	40
Stocky Hawkfish	<i>Cirrhitus pinnulatus</i>	6
Arc-Eye Hawkfish	<i>Paracirrhites arcatus</i>	2
Freckled Hawkfish	<i>Paracirrhites forsteri</i>	2
Shiner Perch	<i>Cymatogaster aggregata</i>	11
Orbicular Batfish	<i>Platax orbicularis</i>	5
Longfin Spadefish	<i>Platax teira</i>	2
Giant Red Doty	<i>Labracinus lineatus</i>	1
Red & Green Dottyback	<i>Pseudochromis novaehollandiae</i>	1
Porkfish	<i>Anisotremus virginicus</i>	28
Caesar Grunt	<i>Haemulon carbonarium</i>	1
Smallmouth Grunt	<i>Haemulon chrysargyreum</i>	10
French Grunt	<i>Haemulon flavolineatum</i>	14
Cottonwick	<i>Haemulon melanurum</i>	10
Bluestriped Grunt	<i>Haemulon sciurus</i>	5
Pinfish	<i>Lagodon rhomboides</i>	1
Two-Striped Sweetlips	<i>Plectorhinchus albivittatus</i>	1
Lined Sweetlips	<i>Plectorhinchus gaterinoides</i>	4
Diana's Hogfish	<i>Bodianus diana</i>	1
Spotfin Hogfish	<i>Bodianus pulchellus</i>	5
Spanish Hogfish	<i>Bodianus rufus</i>	10
Red-Breasted Wrasse	<i>Cheilinus fasciatus</i>	3
Humphead Wrasse	<i>Cheilinus undulatus</i>	2
Yellowtail Coris	<i>Coris gaimard</i>	1
Twotone Wrasse	<i>Thalassoma amblycephalum</i>	1
Sixbar Wrasse	<i>Thalassoma hardwickii</i>	1
Jansen's Wrasse	<i>Thalassoma janseni</i>	2
Crescent Wrasse	<i>Thalassoma lunare</i>	1
Surge Wrasse	<i>Thalassoma purpurum</i>	1
Five-Stripe Surge Wrasse	<i>Thalassoma quinquevittatum</i>	2
Gray Snapper	<i>Lutjanus griseus</i>	18
Blue-Lined Snapper	<i>Lutjanus kasmira</i>	4
Blue-Lined Sea Bream	<i>Symphoricarthus spilurus</i>	3
Mono	<i>Monodactylus argenteus</i>	7
Yellow Perch	<i>Perca flavescens</i>	16
Walleye	<i>Stizostedion vitreum</i>	8
Blue Devilfish	<i>Assessor macneilli</i>	1
Comet	<i>Calloplectes altivelis</i>	6
Indian Yellow-Tail Angelfish	<i>Apolemichthys xanthurus</i>	1
Potters Pygmy Angelfish	<i>Centropyge potteri</i>	1
Keyhole Angelfish	<i>Centropyge tibicen</i>	1
Pearl-Scaled Angel	<i>Centropyge vrolicki</i>	1
Vermiculated Angel	<i>Chaetodontoplus mesoleucus</i>	1
Black-Spot Angelfish	<i>Genicanthus melanospilos</i>	2
Blue-Ringed Angelfish	<i>Pomacanthus annularis</i>	1
Blue-girdled Angelfish	<i>Pomacanthus navarchus</i>	1
Semicircle Angelfish	<i>Pomacanthus semicirculatus</i>	5
Blue-faced Angelfish	<i>Pomacanthus xanthurus</i>	1
Sergeant Major	<i>Abudefduf saxatilis</i>	13
Skunk-striped Anemonefish	<i>Amphiprion akallopisos</i>	1
Yellow-tailed Anemonefish	<i>Amphiprion clarkii</i>	2
Tomato Anemonefish	<i>Amphiprion frenatus</i>	5
Dusky Anemonefish	<i>Amphiprion melanopus</i>	3
Clown Anemonefish	<i>Amphiprion ocellaris</i>	2
Percula Clownfish	<i>Amphiprion percula</i>	2
False Skunk-striped Anemonefish	<i>Amphiprion perideraion</i>	2
Blue Chromis	<i>Chromis cyanea</i>	40
Dusky Damselfish	<i>Eupomacentrus dieneaeus</i>	1
Glasseye Snapper	<i>Heteropria canthus cruentatus</i>	13
Cobia	<i>Rachycentron canadum</i>	1

Scat	<i>Scatophagus argus</i>	10
High Hat	<i>Equetus acuminatus</i>	1
Panther Grouper	<i>Cromileptes altivelis</i>	6
Jewfish	<i>Epinephelus itajara</i>	1
Barred Hamlet	<i>Hypoplectrus unicolor</i>	1
Foxface	<i>Signanus vulpinus</i>	27
Coral Rabbitfish	<i>Signanus corallinus</i>	1
Scribbled Rabbitfish	<i>Signanus spinus</i>	1
China Rockfish	<i>Sebastes nebulosa</i>	1
Tiger Rockfish	<i>Sebastes nigrocinctus</i>	1
Orangestriped Triggerfish	<i>Balistapus undulatus</i>	2
Queen Trigger	<i>Balistes vetula</i>	2
Clown Triggerfish	<i>Balistoides conspicillum</i>	4
Pink-tailed Trigger	<i>Melichthys vidua</i>	1
Picasso fish	<i>Rhinecanthus aculeatus</i>	3
Bluechin Triggerfish	<i>Xanthichthys auromarginatus</i>	3
Whitespotted Puffer	<i>Arothron hispidus</i>	2
Blackspotted Puffer	<i>Arothron nigropunctatus</i>	1
Fingerprint Sharpnose Puffer	<i>Canthigaster compressa</i>	1
Whitespotted Sharpnose Puffer	<i>Canthigaster janthinoptera</i>	4
Spotted Sharpnose Puffer	<i>Canthigaster solandri</i>	2
Valentini's Sharpnose Puffer	<i>Canthigaster valentini</i>	4
Balloon Fish/Spiny Puffer	<i>Diodon holocanthus</i>	4
Porcupinefish	<i>Diodon hystrix</i>	4
Northern Pike	<i>Esox lucius</i>	2
Brook Trout	<i>Salvelinus fontinalis</i>	29
Purple Striped Catfish	<i>Mystus vittatus</i>	12
Yellow Bullhead	<i>Ictalurus natalis</i>	1
Brown Bullhead	<i>Ictalurus nebulosus</i>	1
Black Bullhead	<i>Ictalurus melas</i>	1
Total Specimens		914

INVERTEBRATE

Common Name

Orange-Kneed Tarantula
Chilean Rose Tarantula
Common Chilean Tarantula
Giant African Millipede
Madagascar Hissing Cockroach
Emperor Scorpion
Red Rock Crab
Hermit Crab
Pink Shrimp
Red Turban
Moon Snail
Black Top Snail
Brown Top Snail
Giant Gumboot Chiton

47 species

Scientific Name

Brachypelma smithi
Grammostola cala
Grammostola spatulatus
Spirostreptus gigantis
Gromphadorhina portentosa
Pandinus imperator
Cancer productus
Pagurus sp.
Penaeus duorarum
Astraea gibberosa
Polinices lewisii
Tegula funebris
Tegula pulligo
Cryptochiton stelleri

30 June 2003

Specimens

9
1
2
14
6
10
3
6
24
6
5
2
2
7

Black Leather Chiton	<i>Katharina tunicata</i>	2
Lined Chiton	<i>Tonicella lineata</i>	4
Giant Keyhole Limpet	<i>Megathura crenulata</i>	2
Burrowing Anemone	<i>Anthopleura artemisia</i>	3
Aggregating Anemone	<i>Anthopleura elegantissima</i>	25
Green Anemone	<i>Anthopleura xanthogrammica</i>	25
Crimson Anemone	<i>Cribinopsis fernaldi</i>	7
Brooding Anemone	<i>Epiactis prolifera</i>	10
Swimming Anemone	<i>Stomphia didemon</i>	1
Sand-Rose Anemone	<i>Urticina columbiana</i>	24
Buired Anemone	<i>Urticina coriacea</i>	20
Beaded Anemone	<i>Urticina lofotensis</i>	50
Fish-Eating Tealia	<i>Urticina piscivora</i>	70
Painted Tealia	<i>Urticina crassicornis</i>	24
Maroon Anemone	<i>Heteractis magnific</i>	3
Giant Plumed Anemone	<i>Metridium giganteum</i>	40
Powder-Puff Anemone	<i>Metridium senile</i>	60
Green Sea Urchin	<i>Strongylocentrotus droebachiensis</i>	6
Giant Red Sea Urchin	<i>Strongylocentrotus franciscanus</i>	6
Purple Urchin	<i>Strongylocentrotus purpuratus</i>	6
Spiny Brittle Sea Star	<i>Ophiothrix spiculata</i>	20
Rose Star	<i>Crossaster papposus</i>	2
Striped Sunstar	<i>Solaster stimpsoni</i>	3
Bay Sea Star	<i>Asteria forbesi</i>	10
Leather Sea Star	<i>Dermasterias imbricata</i>	20
Mottled Star	<i>Evasterias troschellii</i>	20
Blood Star	<i>Henricia leviuscula</i>	20
Brown Brittle Sea Star	<i>Ophiopteris papillosa</i>	20
Rainbow Star	<i>Orthasterias koehleri</i>	20
Short-Spined Sea Star	<i>Pisaster brevispinus</i>	20
Jewel Star	<i>Pisaster giganteus</i>	8
Common Sea Star	<i>Pisaster ochraceus</i>	20
Velcro Star	<i>Stylasterias forreri</i>	4
Vermillion Star	<i>Medaster aequalis</i>	4
Total Specimens		676

TOTAL SPECIES at the Minnesota Zoo

30 June 2003

Class	No. of Species	No. of Specimens
Mammals	60	438
Birds	90	579
Reptiles	28	89
Amphibians	8	25
Fish	148	914
Invertebrates	47	676
TOTAL	381	2721

Animal Collection



Director

Lee C. Ehmke

Deputy Director

Connie J. Braziel

Chief Financial Officer

Peggy Adelman

Director, Bioprograms

Kevin Willis

Director, Conservation

Ronald Tilson

Director, Development

Andrea L. Bork, CFRE

Director, Education

Lars Erdahl

Adelman, Peggy

Albert-Tholkes, Lisa

Albjerg, Andrew

Albrecht, Erin

Anderson, Karla

Anderson, Kathryn

Andres, Richard

Antenucci, David

Appel, Donald

Armstrong, Judy

Arndt, Debora

Asleson, Seth

Babich, Melissa

Baker, Chris

Bannon, Clifford

Barthel, Eugene

Bauer, Brynn

Bauman, Ralph

Beard, Trent

Becker, Staci

Beem, Jennifer

Belden, Sandra

Bender, Virginia

Benusa, Ann

Biesinger, James

Billion, Anne

Billmeyer, Brian

Bishop, Rebecca

Bjork-Groebner, Cynthia

Blaha, Francis

Bleichner, Susan

Bocchi, Dan

Bodene, Angela

Bonnabeau, Margret

Bonnabeau, Mary

Bork, Andrea

Borsch, Thomas

Brattain, Dave

Braziel, Connie

Breckheimer, Tara

BrennaAggerholm, Anna

Broz, Roger A

Broz, Scott

Budd, Deborah

Buser, Wendy

Caron, Martha

Carroll, Maureen

Carter, Naryn

Chandonnet, Anna

Chmielewski, Kim

Christenson, Steven

Clark, Patricia

Clausen, Elizabeth

Clements, Ivan

Clemetson, Delaina

Coffman, Joseph

Coffman, Nancy

Cole, Neil

Commers, Cheryl White

Conant, Elisabeth

Connolly, Bruce

Conrad, Richard

Crook, Donald

Cruz, David

Cummings, Dawn

Curren, Megan

Dale, Carl

Damian, Carlos

DeCorsey, Pamela

Devens, Dawn

Devens, Dawn

Dibble, Tara

Dilly, Ace

Dobmeier, Melissa

Dodd, Sarah

Donahoe, Debra

Dooley, Michael

Drankwalter, Donna

Dykema, Ben

Ehmke, Lee

Eide, Arnold

Emmer, Laura

Erdahl, Lars

Erickson, Megan

Erickstrup, Derrick

Eriksen, Ashley

Estebo, Jennifer

Estebo, Steve

Evans, Oran

Fagre, Mary Jo

Fallon, Jacqueline

Fish, Barbara-Jean

Fisher, Anthony

Fitzsimmons, Mike

Foster, Sharon

Fraser, Bernie

Freeman, Scot

Friesen, Ben

Fritz, Rebecca

Fritz, Rebecca

Fusco, Diane

Garcia, Amy

Gardner, Jamie

Gardner, Michael

Gardner, Sue

Gehrke, Jessie

Geiszler, Bradford

Gervais, Rebecca

Gierke, Rachel

Glenz, Bill

Gonsalez, Lisa

Goralski, Gina

Green, Emily

Grovenburg, Melvin

Grover, Nathan

Gudim, Laura

Gulsvig, Erik

Guyer, Jon

Haar, Peter

Haisting, Lynne

Hampl, Marc

Harrison, Will

Heimann, Eunice

Heinemeyer, Heather

Heinz, Randy

Hemish, Thomas

Henderson, Kevin

Henne, Kenneth

Herberg, Brekke

Hiatt, Kelsey

Hietala, Gwynn

Higgins, Jeff

Hill, Timothy

Hintz-Almquist, Thomas

Hofer, Mitch

Holloway, Tara

Holloway, Thomas

Holtz, David

Holzer, Gerald

Holzer, Kathy

Hubred, Ben

Hutter, Joan

Huwe, Jan

Illa, Erin

Ingram, Timothy

Jackson, Michael

Jeffrey, Thomas

Jeffries, Marvin

Jensen, Dan

Johnson, Kirk

Jorgensen, Gregory

Judy, Timothy

Kamps, Kay

Keogh, Edward

Ketterling, Julie

Kiecker, Denise

Kindseth, Todd

Kleber-Diggs, Karen

Kline, Christopher

Kochendorfer, Bret

Koenke, Ann

Koslowski, Michael

Koslowski, Sandra

Kothari, Kalpana

Krauszer, Donna
 Kringle, Tristi
 Kroog, Rachael
 Kubischta, Rendina
 Kulenkamp, Donna
 LaBelle, Perry
 Lacey, Jennifer
 Lagoon, Jay
 Lanphear, Christine
 Larson, Donna
 Laske, Letitia
 Lass, Jamie
 Lee, Sue
 LeFebvre, Albert
 Leffel, Dawn
 Lehne, Ross
 Lembrick, Randy
 Lessard, Kelly
 Levy, Crystal
 Litwitz, Anita
 Liukonen, Janice
 Livingston, Kamarie
 Long, Arlin
 Long, Arthur
 Long, Janet
 Long, Renee
 Lott, John
 Luikart, E. Kelly
 Lukason, Robert
 Lunzer, Janet
 Maguire, Allan
 Malecha, Larry
 Marlin, Chad
 May, Bill
 May, Jennifer
 McAnany, Michelle
 McCandless, Lucinda
 McElmury, William
 McKenzie, Ann
 McKnight, Christine
 McLucas, Charles
 Messier, Raymond
 Mestad, Allen
 Mochinski, Laurel
 Montalbano, Rebecca
 Morgan, Tracy
 Morien, Kent
 Mountain, Andy
 Napolitan, Nicholas
 Natko, Patricia
 Nelson, Mark
 Nickens, Rayshaun
 Nord, Brad
 Norell, Angie
 Nye, Christine
 O'Connell, Rebecca
 O'Connor, Ryan
 Olbin, Robert
 Oleson, Jessica
 Olsen, G. James
 Olson, Jason

Olson, John
 O'Neill, Raymond
 Opheim, Ernest
 Otto, Kelly
 Owen, Ryan
 Parks, Michael
 Payne, Andrew
 Payne, Timothy
 Pearson, Charles
 Peterson, Adam
 Peterson, Daniel
 Peterson, Diane
 Peterson, Richard
 Pichner, Jimmy
 Pieper, Sally
 Pohlen, Douglas
 Popp, Karen
 Prevost, John
 Price, David
 Price, Shannon
 Prom, Jennifer
 Rasmussen, Christine
 Rasmussen, James
 Rathbun, Daniel
 Rausch, Pat
 Raymond, Patty
 Read, Robyn
 Reedstrom, Maria
 Reinholdz, Jim
 Roach, Erin
 Roberts, David
 Roehrick, Randall
 Ross, Claire
 Ross, John
 Roth, Roger
 Rudrud, Emily
 Rudser, Amanda
 Rupp, Carrie
 Ruschmeyer, Shannon
 Rusling, Kathy
 Rynerson, Chelsea
 Salo, Aili
 Sampson, John
 Scheuer, Melissa
 Schiltz, Thomas
 Schlader, Danielle
 Schlegel, Catherine
 Schley, Patricia
 Schmitz, Kevin
 Schoeberl, Beth Jo
 Schoeberl, DeeDee
 Schwichtenberg, Joel
 Sewich, Vicki
 Sigmund, Robyn
 Silvester, David
 Skelly, Aaron
 Smith, Pascale
 Snyder, Sharon
 Sonday, Laura
 Sorensen, Melanie
 Speiker, Julie

Spickelmier, Grant
 Spier, Susan
 Stanek, Leah
 Stanfield, Robert
 Stender, Douglas
 Stevenson, Kevin
 Stone, Jacob
 Stringer, Betsy
 Swanson, Drue
 Swengel, Fred
 Swyter, Carrie
 Tait, Cheryl
 Taylor, Carol
 Taylor, Ross
 Teats, Brenda
 Thieding, Matthew
 Thom, Kathleen
 Thom, Shannon
 Thomas, Kim
 Thompson, Amber
 Thompson, Judy
 Tilson, Ronald
 Tix, Roger
 Townsend, Chris
 Treangen, Dean
 Trechsel, Laura
 Tschann, Vicky
 Tulgren, Erik
 Van Uden, Doreen
 Vorwerk, Larry
 Wacker, Mark
 Wahlstrom, Karen
 Wallin, Jill
 Warg, Jennifer
 Warhol, Melissa
 Weisenburger, Kenneth
 Weisenburger, Stephanie
 Weitz, Teri
 Wellsted, Scott
 Welter, Rebecca
 Wersness, Lynne
 West, Erica
 Whitcomb, Ryan
 White, Rebekka Gronfor
 Wier, Kevin
 Willette, Michelle
 Willis, Kelly
 Willis, Kevin
 Wilson, Derrick
 Wisnew, Kathleen
 Wojcik, Sarah
 Wold, Brent
 Wuchko, Pamela
 Zackery, Bryce
 Zackery, Paul
 Zimmermann-Hohn, Ann
 Zuhse, Elizabeth



**MINNESOTA ZOOLOGICAL GARDEN
REVENUE AND EXPENSE BUDGET FOR THE YEAR
ENDED JUNE 30, 2003**

FY 03 Unaudited

Attendance	965,715
Revenues:	
Grant: State Appropriation	6,620,843
Admissions	3,458,127
Membership	1,938,000
Contributions	1,341,001
Gift Store, Gross	1,031,132
Food Service	497,786
Monorail	422,411
Education	368,969
Parking	172,079
Evening Events	152,017
Concerts	142,511
Zoomobile	108,253
Special Events	93,180
Federal IMLS grant	56,250
Investment Income	36,488
Other Earned Income	325,311
Total Revenue	16,764,357
Operating Expenses	
Salaries & Fringe Benefits	10,839,793
Supplies and Materials	1,148,426
Utilities	971,574
Purchased Services	743,470
Advertising & Printing	655,942
Gift Store Purchases	548,907
Other	738,589
Total Operating Expenses	15,646,701
Capital Disbursements Funded from Operations	
Discovery Bay Debt Service	1,085,632
Equipment Purchases	234,986
Equipment Lease Purchase	81,868
Roof Repair Debt Service	54,397
Building Improvements	2,713
Total Capital Disbursements	
Funded from Operations	1,459,596
Total Operating Expenses and Capital	
Funded from Operations	17,106,297
Net Cash	- 341,940
Prior Year Fund Balance	942,318
Accumulated Fund Balance	600,378
Restricted Gift Reserve	275,073
Accumulated Unrestricted Reserve	325,305

Note: This information is subject to audit by the State of Minnesota Legislative Auditor. A complete financial report is presented in the State of Minnesota's annual report.

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Two Dolphins	TOC	Gwynn Hietala
Wolf Pups	TOC	© Ryan Clausen
Lee Ehmke	1	© Sal Skog
Dolphins	3	© Minnesota Zoo
Wolf Pup	3	© Jackie Fallon
Takin	3	Gwynn Hietala
Preschool Kids	4	Shannon Ruschmeyer
Meerkat	4	© Minnesota Zoo
Clouded Leopard	4	© Minnesota Zoo
Lemurs	4	© Como Zoo
Hornbill	5	Gwynn Hietala
Tiger with piñata	5	Gwynn Hietala
Keeper with Cub	5	Shannon Ruschmeyer
Baby Pygmy Loris	6	© Minnesota Zoo
Aardvark	6	© Jackie Fallon
Gibbon	6	© Diane Sharpiro
Woman with Pup	6	Gwynn Hietala
Sumatran Tiger	7	© PHKA-TTF-STT
Three Tiger Cubs	7	© PHKA-TTF-STT
Two Wolf Pups	8	© Jackie Fallon
Trumpeter Swans	8	© Ryan Clausen
Amur Leopard	8	© WCS-ISUNR
Javan Rhino	9	© PHKA-WWF
Geography Day	10	© Minnesota Zoo
Baby & Armadillo	10	Gwynn Hietala
Spanish Day	10	Gwynn Hietala
Mentor Group	11	Gwynn Hietala
Bird and Kids	12	Gwynn Hietala
Aquarist with Kids	12	© Minnesota Zoo
Two Girls	13	Gwynn Hietala
Mom and Little Girl	13	Gwynn Hietala
Ouch	13	© Minnesota Zoo
Camel Ride	14	Gwynn Hietala

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Garfield	14	Gwynn Hietala
Luminarium	14	Gwynn Hietala
Boy and Chinchilla	15	Shannon Ruschmeyer
Call of the Wild	15	Shannon Ruschmeyer
Concert	15	Gwynn Hietala
People with Cow	16	Shannon Ruschmeyer
Serenade	16	Shannon Ruschmeyer
Dolphin Calf	16	Gwynn Hietala
Tiger	16	© Minnesota Zoo
Mentor Kids	16	Gwynn Hietala
Exhibit Sketch	17	Portico
Brodmerkels	17	Shannon Ruschmeyer
WCCO Emcees	17	Shannon Ruschmeyer
Woman with Turtle	17	© Minnesota Zoo
Brannings	18	Gwynn Hietala
Dennis McGrath	18	Gwynn Hietala
Classroom	18	© Minnesota Zoo
Bielkes	18	Gwynn Hietala
Amur Tiger	18	© Minnesota Zoo
Sun Bear	19	© Kirsten Rosenkrands
Meerkat	19	Shannon Ruschmeyer
Men with Eagle	19	Shannon Ruschmeyer
Hyacinth Macaw	19	© Minnesota Zoo
Smiling Girl	19	© Minnesota Zoo
Kids in Class	19	© Minnesota Zoo
Meerkat	25	Shannon Ruschmeyer
Amur Tiger	25	© Minnesota Zoo
Monorail	25	© Minnesota Zoo
Shark	25	© Minnesota Zoo
Tree Kangaroo	Below	© Minnesota Zoo
Otter	Below	© Minnesota Zoo
Stingray	Below	© Minnesota Zoo

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