

Alive

Zoological Society of Milwaukee County

October 2000



The mission of the Zoological Society is to support the Milwaukee County Zoo, to educate people about the importance of wildlife and the environment, and to take part in conserving wildlife and endangered species.

1999-2000 BOARD OF DIRECTORS

Directors

Mike Archer	Gina Alberts Peter	Robert T. Foote
Jane Austin*	Richard J. Podell	Richard A. Gallun
John B. Burns	Jack Recht	Richard D. Gebhardt
R. Thomas Dempsey	Jay H. Robertson	Edward A. Grede
Thomas E. Dyer	James C. Rowe	John A. Hazelwood
Linda Grunau	John Sapp	Robert A. Kahlor
Rheinhold Hugo	Barry Sattell	Ann McNeer
Dr. Leander R. Jennings	Richard Schmidt	William G. Moomey
Bonnie Joseph	William Schmus	Philip W. Orth, Jr.
Henry Karbner	John Steiner	Fredrick L. Ott
Karen Peck Katz	John W. Taylor	Bernard J. Peck
Kenneth Kezner	Mrs. Robert A. Uihlein, Jr.	Jerry Reiser
Herbert Mahler	Tom Warner	Kurt W. Remus, Jr.
Quinn Martin	Larry Weiss	A.D. Robertson
John D. McGourthy, Sr.	Jane Wierzbna**	Gene Soldatos
Jack McKeithan	Paul Wong	Richard A. Steinman
James McKenna		James A. Taylor
David Moffett	Honorary Directors	Allen W. Williams, Jr.
Sandi Moomey	William J. Abraham, Jr.	William C. Wright
Jeff Neuenschwander	William M. Chester, Jr.	Bernard C. Ziegler III
Hill Grootenart Pelisek	Stephen M. Dearholt	
Thomas R. Perz	Thomas B. Fifield	

* Chairman of the Board ** Associate Board President *** Zoo Pride President

1999-2000 ASSOCIATE BOARD

Directors

David Batten	Joel Nettesheim	Lee Walther Kordus
Lori Bechtold	Jeff Nowak	Quinn Martin
Jim Bedore	Bunny Raasch-Hooten	Richard J. Podell
Mike Brophy	Victor Schittone	Jerry Reiser
Judy Dorse	Randy Scoville	Arlene Remsik
Nora Dreske	Judy Holz Stathas	Barry Sattell
Jeré Fabick	David Strelitz	Dan Schwabe
Robin Hatley	James Szymanski	John Steiner
John Fleckenstein	Jane Wierzbna**	Jeff Steren
Eli Gwizdzak	Ray Wilson	
Katie Harding		
Joe Heil	Honorary Directors	
Peter Kordus	Bob Anger	
Liz Little	Mike Fox	
Kat Morrow	Linda Grunau	

* Associate Board President

2000-2001 ZOO PRIDE BOARD

Directors

Jane Austin*	Joan Kalinoski	Paula Spiering
Carol Bergmann	Kathy Olejnik	Karen Stephany
Kay Elsen	Terrie Peschman	Bob Wiernan
Kim Harbig	Jim Bedding	
Denise Hodkiewicz	Mary Pat Schuetz	

* Zoo Pride President

ZOOLOGICAL SOCIETY MANAGEMENT STAFF

President	Director of Education	Membership Programs/Volunteers
Gilbert K. Boese, Ph.D.	Dawn St. George, Ph.D.	Robin Higgins
Administration/Finance	Marketing/Communications	Special Events
Judy Treinen	Patricia Harrigan Mills	Laura Knollenberg
Development		
Joan Rudzinski		

Alive is published quarterly by the Zoological Society of Milwaukee County, 50015 W. Blue Mound Rd., Milwaukee, WI 53226. Subscription by membership only. Call (414) 258-2333 for membership information. <http://www.zoosociety.org>

Editor	Kids Alive Writers
Patricia Harrigan Mills	Education Staff
Contributing Editor	Photographer
Paula Brookshire	Richard Brodzeller
Designer & Artist	Printer
Christian J. Keene	NML Graphics



President's Letter



This summer, the Zoo got a jolt of color and excitement with Ameritech's Butterflies! Living Jewels of the Mncdo Maya™ (more than 175,000 Zoo guests had visited the exhibit when this magazine went to press) and the new Temple Monkeys of Tikal exhibit in Primates of the World.

Critical to the success of both exhibits were the many contractors who designed and built them, the Zoo and Zoological Society staff who helped draw people to the Zoo to experience them, and the Zoo staff responsible for maintaining them. In this issue of *Alive*, we salute the efforts of the Zoo's horticulture staff, who work tirelessly all year to keep the Zoo—inside and out—looking beautiful.

This year, the Zoological Society also is pleased to have accommodated every member who wanted to enroll his or her child(ren) in our Summer Adventure Camps by expanding the number of workshops offered. Thanks to sponsorship from Quaker Oats and Roundy's Pick'n Save, about 7,200 children had experienced, at least once, fun and constructive hands-on learning at the Zoo before returning to school this fall.

Finally, we introduced the Zoo Pass this summer to bring attention to the Zoological Society, boost Society membership and symbolize the new direction we're heading. The Zoo Pass is helping us build a strong new identity as we plan for the future and head into a capital campaign to raise money for major improvements at the Zoo.

Remember to use your Zoo Pass for free admission to the fun, family-oriented Halloween events and winter holiday events scheduled through December at the Zoo. And, in February you'll be able to take your family on an expedition to the south pole when you visit our fascinating interactive exhibit on Antarctica. Read your *Wild Things* newsletters for more details.

Gil Boese, Ph.D., President
 Zoological Society of Milwaukee County

Alive

VOLUME 20, ISSUE 4

features

4 It's Not Easy Being Green

Whether it's planting 39,000 annuals, dressing up the Zoo for the holidays, landscaping new exhibits or shoveling snow, the Zoo's horticulture staff keep the grounds of this 200-acre park looking lovely and well-maintained.

6 Protecting Piping Plovers

The endangered piping plover may have a better chance at survival thanks to the Milwaukee County Zoo's involvement on a national level to save this tiny shorebird. The Zoological Society recently helped fund zookeeper Karen Rabideaux's research trip to South Dakota to collect data on plovers along the Missouri River. She returned with ideas on how to help plovers breed in zoos and in the wild.

8 When Animals Die, They Still Teach

An unusual and invaluable collection of animal feet, heads, skulls, hides and other artifacts—that's what the family of avid collector Lawrence Fait donated to the Zoological Society's Education Department. Thousands of children in science workshops at the Zoo now benefit from examining the artifacts.

10 New Adventures for Kids

The Zoological Society's new Kids 'n Critters Club gives children a passport and sets them and their families off on an adventure to explore nature, connect with the Zoo's animals, and make a difference in the world.

15 Student Designers Attack Feline Building

Zoo officials have a clearer picture of how they might remodel and expand the Zoo's 50-year-old Feline Building, thanks to ideas from 25 students at the Milwaukee School of Engineering.

16 Aging Animals: Care & Comfort

Part I: The Milwaukee County Zoo does such a good job of caring for its animals that it has a growing group of geriatric animals. They present challenges but also demonstrate the Zoo's commitment to care.

departments

- 2 President's Letter
- 19 Serengeti Circle
- 20 Platypus Society
- 22 What's Gnu

kids alive

11-14 Zoo news, animal puzzles, kids' questions

on the cover

Panther chameleon at Milwaukee County Zoo



This mother polar bear with cubs is beautifully designed in pewter by Per Washington; artist Andy Schumann. The ornament (or pendant) costs \$14 and is a fundraiser for the Zoological Society of Milwaukee. Call (414) 258-2333 with your credit card to order. (cost includes tax and mailing).



It's not easy being green!

Imagine planting enough flowers to cover your whole lawn with color. After a day of bending, hoeing and digging, you water the young plants and go rest your aching back. The next morning, you discover those 24 flats of impatiens, roots and all, are gone—a late-night snack for a family of deer. It's enough to make a gardener turn in the trowel.

Such growing pains are what the Milwaukee County Zoo's horticulturists, Brian Fogas and George Gutmanis, face regularly. Nature, from geese to gorillas, can make it bloomin' difficult to care for Zoo plants, outdoors and indoors. Gorillas love to grab and thrash young trees and plants. Geese lay eggs in barrels meant to hold flowers.

Gutmanis and Fogas garden on an overwhelming scale: Every year they plant about 39,000 annuals. They help maintain the grounds of this nearly 200-acre park, including dressing up the Zoo for Halloween, Christmas, and Zoo Ball. They help design landscaping for new exhibits such as Temple Monkeys of Tikal. In summer, they supervise a crew of 10. In winter, they shovel snow.

Their job is vastly different from that of horticulturists who work in other places, Fogas said. "There's so much damage here compared to a park, where you plant once in spring and then just maintain."

Grass in exhibits featuring hooved animals must be re-seeded often because of the damage they do. The timber wolves nibble on the evergreens in their forest setting and like to dig up new sod. And the Zoo's free-ranging peacocks peck the heads off flowers "just for fun," Gutmanis said.

The job also has its dangers. They water the plants in the crocodile exhibit while the crocodiles are still there. Normally, animals are removed when plant care is done, but not with the crocodiles. A zookeeper stands guard with a wooden shield and stick while the gardeners work.

"See these?" Gutmanis jokes, pointing to his athletic shoes. "I wear these so I can run faster out of there than anyone else, including the zookeeper."

The dangers, however, are no laughing matter. A few years ago, Zoo horticulturist Colleen Krzyanowski died in a fall while tending foliage in the aviary, where there is now a small memorial to her. There are always risks in working with nature, Gutmanis said. "I'm on

guard all the time. It's instinctual; I know the dangers."

Yet the gardeners play an important role in keeping the balance of nature at the Zoo. Much of their work involves renewing and recycling. Every day in summer, it's a full-time job to trim enough shrubs and willow and maple branches to fill a pickup truck. The hrowse goes to the gorillas, elephants, moose and wolves to chew. In winter, they recycle many of the Zoo's 80 Christmas trees for the animals.

Because many of the indoor exhibits have low-light conditions, Fogas and Gutmanis run a greenhouse that acts as a hospital of sorts for droopy or sickly plants. Even in midsummer, the greenhouse is filled. Last August there were shoots of bamboo, a donation from Mayfair Mall, which had sky-high stalks growing in the atrium until its recent renovation.

Those plants are destined for the Herb and Nada Mahler Aviary or the Stearns Family Apes of Africa exhibit.

Special exhibits can consume a large portion of a horticulturist's time. Ameritech's Butterflies! Living Jewels of the Mundo Maya posed a challenge because it had only artificial light, which doesn't keep plants flowering as well as natural light. The tropical butterflies needed a lot of flowering plants that produce nectar and pollen. So the Zoological Society, which created the exhibit for the Zoo, financed the building of a second Zoo greenhouse just for the butterfly exhibit's plants and also contributed \$13,000 worth of plants for the exhibit.

Thanks to the greenhouse, the horticulturists could grow replacement flowering plants for the exhibit plants that stopped flowering. A year before the exhibit opened, exhibit consultant Jan Meerman gave the horticulturists a list of plants such as jatropha and psiguria that produce nectar and pollen eaten by tropical butterflies. Gutmanis and Fogas are proud of the pains their crew took to find and grow these plants, some from seed.

At the end of summer, Gutmanis and Fogas pack away the barrels that held flowers and dig up Easter lily bulbs that will be replanted to bloom again next spring. They order hay bales and cornstalks by the truckload and pumpkins by the hundreds for the Zoo's Halloween activities.

In their spare time, they rest hundreds of thousands of lights for the Zoo's holiday trees and displays. After all, Wisconsin Electric / Wisconsin Gas' Holiday Night Lights is only a blink away (see back cover). 🐾



Horticulturist Brian Fogas works with Heather Brunner, Carl Knapp (back left) and Vicki Rudnicki (back right) on landscaping the outdoor portion of the new Temple Monkeys of Tikal exhibit.

The Zoo's horticulture team is vital to the success of special exhibits like Ameritech's Butterflies! Living Jewels of the Mundo Maya. Here, horticulturist George Gutmanis works with (clockwise from bottom left) Winona Grieger, Jessica Thomas and Emily Salentine to plant some of the hundreds of flowering plants in the exhibit. Living plants are essential because they produce the nectar and pollen the butterflies need to live.

Protecting Piping Plovers



BY FRAN BAUER

It's rare to see piping plovers on Wisconsin beaches anymore. The tiny shorebirds, nicknamed pipers for their distinctive "peep-lo" call, once abounded along the shores of the Great Lakes and East Coast as well as on the northern Great Plains. But the number of birds declined as people overtook beaches, left garbage that attracted plover predators, and built structures where plovers once nested.

The Great Lakes plover population is down to just 32 pairs, considered highly endangered. Piping plovers on the East Coast and Great Plains are threatened; each group has about 5,000 birds.

For the last five years, the best place to see piping plovers in Wisconsin has been the Milwaukee County Zoo, thanks to a rescue effort by two federal agencies and two zoos.

In spring 1995, the U.S. Army Corps of Engineers discovered that piping plover nests from the Great Plains plover population along the Missouri River were in danger of being swept away by flooding from heavy rains. The U.S. Fish and Wildlife Service called in staff from Milwaukee and from Chicago's Lincoln Park Zoo. Each zoo took 15 of the unhatched eggs, put them in incubators, and hatched and hand-raised some of the chicks. Four of those birds, two mated pairs, are still here in Milwaukee. One pair even laid eggs, but the eggs failed to hatch.

Milwaukee is now an important part of the national effort to save piping plovers. Our Zoo's curator of birds, Kim Smith, chairs the shorebirds and puffin advisory group for the American Zoo and Aquarium Association (AZA). She also is AZA's plover liaison to the US Fish & Wildlife Service. Last January she helped organize a meeting hosted by the Milwaukee County Zoo of representatives from the Fish & Wildlife Service, the Army Corps of Engineers and

seven AZA institutions – all of which are cooperating to create goals for saving plovers.

Smith's staff has great enthusiasm for the plover project, particularly Karen Rabideaux, the aviary's manager for piping plovers. She flew to South Dakota in June to spend three weeks on the shores of the Missouri River helping with research on piping plovers. Among the activities she participated in were a census of adult birds that were breeding, and the captive rearing of plover chicks that were destined for release to the river. One of her goals was to



Zoological Society conservation grant recipient Karen Rabideaux places a wire-mesh enclosure over a plover nest found on the Missouri River shore. The cage allows the birds to leave and return to the nest, but keeps predators like raccoons and gulls away from the eggs.

find ways to help plovers breed, both in zoos and in the wild. Her trip was funded by a grant from the Zoological Society, and the Milwaukee County Zoo paid for her time. She worked in partnership with biologists from the Fish & Wildlife Service and the Army Corps of Engineers' Threatened and Endangered Species Program.

"We were on the river every day," Rabideaux said. The researchers recorded every plover

nest spotted on the sandbars, and projected the number of chicks expected. They observed how the birds protected their nests.

The group moved quickly, staying only 20 minutes in an area to minimize any stress on the birds. They stayed away in bad weather, to avoid the risk that mother plovers might leave their nests for too long. Typically, the moms pretend they're injured and call to lead you away from their nests.

Rabideaux was fascinated by male piping plovers that aggressively protected their territory, displaying their feathers and running in parallel lines to keep other males at bay. She had not seen this in the Zoo's plovers because the two pairs were kept in separate exhibits. She also noted that plovers in the wild ate more live insects, especially those with crunchy exteriors. Plovers at the Zoo got a nutritionally balanced soft diet mix.

On her return, she recommended changes that the staff has made, said Kim Smith. Both diet and social interaction (even aggression) may be important to the breeding process. So the Zoo has changed its plovers' diet to include more live food such as worms and flour beetles. "The plovers also were put all in one exhibit," said Rabideaux. The birds were aggressive, but they quickly established territories. "We now are seeing more and more natural behaviors, just like what I saw in the wild. They are behaving as if they were on a sandbar in the Missouri River."

Also, based on observations that female birds in the wild leave breeding grounds first and are followed by males, Rabideaux proposed removing the Zoo's female plovers from the exhibit for a week after breeding season. They will "migrate" to a new exhibit, to be followed by the males a week later.

The plover exhibit also sports a new sign, thanks to Rabideaux. It is one of the government's official "Do Not Enter" signs protecting nesting birds on sandbars and shorelines. "Several Zoo visitors have commented that they saw

these signs in Michigan this summer and now appreciate the plover-conservation project more," said Rabideaux.

"It's been a great educational tool," said Kim Smith of the sign. She added that Rabideaux's report on her three weeks of research and the changes undertaken at our Zoo will go to the other participants in the plover project and could be an important aid in plover conservation efforts. If it turns out that social interaction and plovers being in groups at their southern wintering grounds (in Florida, Mexico and the Caribbean) are keys to breeding, then wildlife biologists will have more evidence for protecting large areas where plovers gather.

The Great Lakes has the smallest surviving population of plovers. Conservationists were excited when, for the first time in 15 years, a pair of piping plovers nested two years ago in Wisconsin's Apostle Islands and produced three chicks. The parents returned to nest last year along with two other pairs, but none of their chicks lived. This year the birds did not nest there.

In June, the U.S. Fish and Wildlife Service proposed setting aside 189 miles of Great Lakes shoreline (20 miles in Wisconsin) as critical habitat for piping plovers. The public still could use the beaches, but federal agencies would have restrictions on building and engineering along the shorelines. If approved, these habitats would open up more beaches where the plovers could nest. 🐾



Karen Rabideaux puts out a tray of live rice flour beetles for the piping plovers in the aviary's shorebird exhibit. Keepers are feeding the plovers live food in addition to a soft diet mix because Rabideaux's research shows that plovers in the wild eat more live insects, especially those with crunchy exoskeletons. The birds' diet may be important to the breeding process.



When Animals Die, They Still Teach

BY PAULA BROOKMIRE

Lawrence Fait was such an avid collector that this Burlington optometrist had to add rooms onto his house to hold it all. He had animal mounts, feet, skulls, hides. He had more than 6,000 books, including 1,000 on animals. He had Egyptian

animal-science workshops learn more about animals that aren't native to Wisconsin.

A 17-inch-tall warthog head with four tusks and a blue and yellow dolphin hang on the wall in one Society classroom at the Milwaukee County Zoo. Brought out for

on a piece of driftwood.

"The animal artifacts donated by the Fait family significantly increase our ability to let children directly connect to a wide diversity of animals," says James Mills, the

Zoological Society's school programs coordinator. "By observing the skulls, hides, feet and other specimens close at hand, children can develop a more concrete understanding of how animals adapt physically to life in various habitats and environments."

The animal-foot collection is particularly instructive, with the range from ostrich to elephant. The skull collection allows children to compare the head-bone structure and horns of a variety of African hoofed animals: Cape buffalo, eland, greater kudu, impala, oryx, sable antelope, wildebeest. The 2-foot-long crocodile skull is as long as the full-size baby alligator, a striking contrast.

The Fait collection came mainly from catalogs, before many of the animal parts became contraband, says JoAnne Wasserman. The only specimen that Larry Fait actually shot himself was a wild boar. He was on a hunting

trip in 1972 to Tennessee, she recalls. His guide told him to turn around and shoot quickly because the boar was charging him from behind. She says her father loved hunting and often went pheasant hunting.

A dolphin in the Fait collection



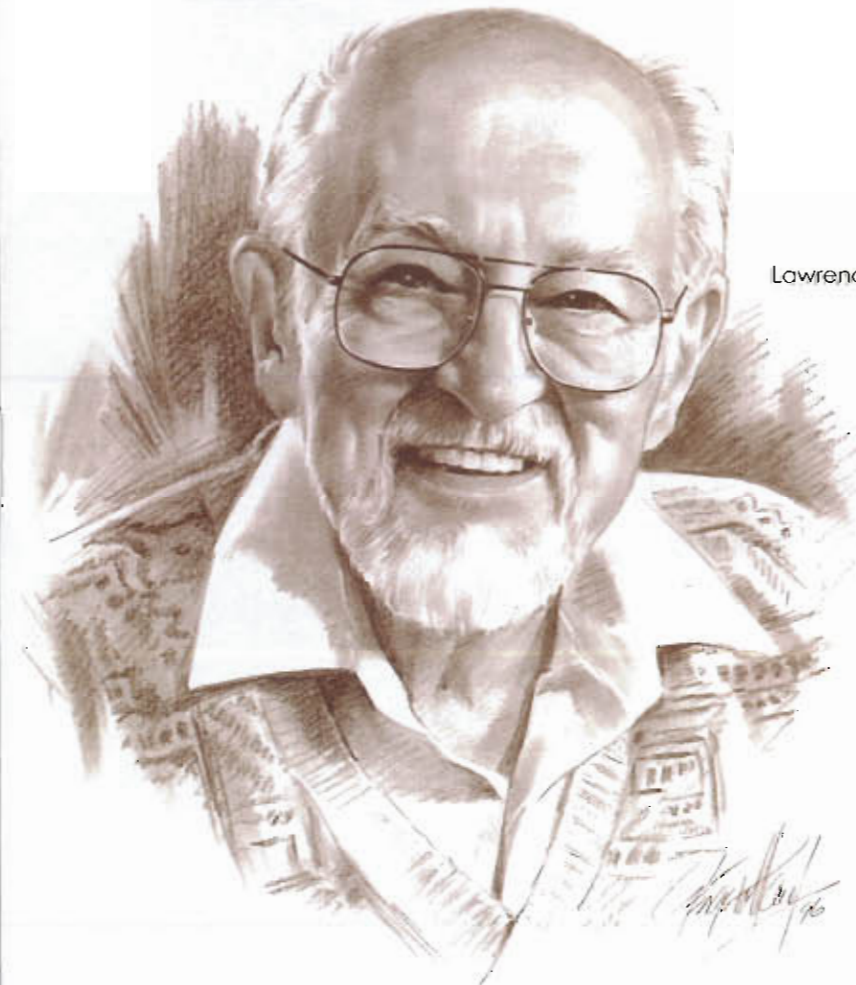
As a young child, however, she hated it. "I would just sit there and cry while he would pluck the birds and clean the feathers. He promised me he would stop hunting, and, to prove it, he mounted a pheasant just for me." He stopped after that.

"He was born in a very small town up north," she says. "It was very rural. His father worked for the Soo Line, in the railroad depot. They came down to Silver Lake, south of Milwaukee, when he was a junior in high school. He met my mom there." He went to the University of Wisconsin-Madison for a year, and then was drafted into the Army. He and Marie married in 1944. After the war, he went to the Illinois College of Optometry, from which he grad-

uated in 1947. He set up a practice in Burlington that same year.

Wasserman, the youngest of the Fails' seven children, says that her mom complained the day a huge crate containing the more than 4-foot-high rhinoceros head and shoulders was delivered to their driveway. Her dad just said he'd take care of it, and it ended up in their basement. Another day he sent Marie to the airport to pick up "important cargo." She had to write a check for more than \$500 just for the freight on the shipment. "When my dad opened it up, my mom just rolled her eyes." It was the array of African animal skulls.

Lawrence Fait died in 1997. His wife and their six surviving children made the donation. The adult Fait children are Bob Fait, an optometrist; Jim Fait, who works for a recycling company; Father Tom Fait, a Catholic priest; Gary Fait, a gynecologist; Kathy Fait, a nurse; and Wasserman, a graphic artist. 🐾



Lawrence E. Fait

Other Donations

Over the years a variety of animal artifacts have been donated to the Zoological Society for education programs. Here are some of them:

- An adolescent male polar bear donated by Nick A. Petropoulos, who said it was collected in March 1966 from the Chukchi Sea in Alaska. The bear stands 8 feet 5 inches high in a classroom (see photo).
- A mounted great horned owl donated by Sheila and Tony Bauer of New Berlin. Their young boys often go to Zoological Society animal workshops, and the family wanted the owl to be a teaching tool.
- A mounted wild goat head donated by Nelda Digman of West Allis in 1999. "It was one that my husband had shot years ago in the mountains of Tennessee," she says.
- An ostrich foot and wing, the tail of a Dall sheep, hides from a warthog and white rhino, elephant parts, and a variety of other items donated by Jerry Daleiden of Wauwatosa. A Zoo Pride volunteer, he contributes to and helps staff the Remains to Be Seen Carts at the Zoo. They are filled with animal artifacts.
- Mounts of Zoo animals that died, such as a baby snow leopard and an aged king penguin prepared at reduced cost by taxidermist Valentine Vogel of Wildlife Re-Creations in Oak Creek. He also has tanned hides of Zoo animals such as an arctic wolf and a koala at reduced cost.
- A variety of large fish from several donors.



JoAnne Wasserman's daughter, Haley, points to animal artifacts: elephant foot, toucan, tortoise, hippo foot, warthog head.

artifacts, a china collection, antiques, old toys, comic books, a Disney collection, Badger football paraphernalia, artworks.

"He was interested in everything," says his daughter JoAnne Wasserman of Glendale. Now, thanks to Lawrence Fait's widow, Marie, and their children, the Zoological Society of Milwaukee is benefiting from the incredible curiosity of this man who loved animals.

The family has donated more than 40 animal artifacts, from a rare black rhino head (above) to a baby alligator, to the Zoological Society's Education Department. With a donor-stated value of \$54,418, the collection is being used to help children in

specific workshops are zebra feet, hippo feet, ostrich feet and an 11-inch-high elephant foot. Mounted in cases are huge insects, such as an African scarab and a Sumatran beetle. A mounted toucan sits

New Adventures for Kids

BY SANDRA WHITEHEAD

Busy parents Vince and Debbie La Barbera of Brookfield wish they had more time to get their children involved at the Milwaukee County Zoo.

"The boys (Joe, 5, and Billy, 11) are very interested in animals and nature," says Debbie, who notes that they are Zoological Society members. "We want to nurture their respect for nature – but with both of us working, we aren't able to get them to many of the programs that the Zoo offers."



The new Kids 'n Critters Club, sponsored by Tri City National Bank, "sounds like just what we need," she says. It offers busy families a convenient and meaningful way to get involved with the Zoo's animals and learn how to make a difference in the world.

Passport to adventure is the theme of the new club, which takes children on a journey of discovery. Each member gets a passport and a series of fun-filled activity sheets in the mail. As children complete each activity packet, they earn a sticker to put in their passport. For every three stickers earned, the child wins a reward, such as four tickets for the Zoo train or to Miller's Oceans of Fun Sea Lion Show. Earn 12 stickers, and the child gets a special prize: a plush-toy animal for the young ones, a lunch bag of treats for ages 7-9 and a T-shirt for ages 10-12.

The activity packets open up the world of animals and nature to a child's exploration. For ages 4-6, the activities immerse them in simple, fascinating facts about animals. Children ages 7-9 venture into the world of animal habitats and discover how animals have adapted to specific environments. Children ages 10-12 take a trip around the world as they are intro-

duced to global challenges such as rain-forest destruction, ozone depletion and pollution. All ages are encouraged to consider ways that they can help solve these problems and make a difference.

The new club replaces an 8-year-old club by the same name. "We kept the best elements, but made it more educational, more fun, and more convenient," says Mandy Hart, Kids 'n Critters Club coordinator. "It lets you do everything at home, so

everyone can participate, no matter how often you can come to the Zoo."

The club newsletter, *Footnotes*, comes to members four times a year. Here children learn about Zoo animals and new exhibits. They'll find fun science and art projects and chances to win rewards. They can view art work created by other children and try to guess the "Secret Surprise."

Other membership perks include birthday cards from the animals, special members-only workshops at the Zoo and at Milwaukee's Artist and Display store, and an invitation to the annual Twilight Safari behind-the-scenes event at the Zoo for animal sponsors.

By joining the club, a child supports 15 kinds of endangered animals at the Zoo and is recognized on a donor board. Annual dues for membership is \$15. "It's a way a child can really make a difference," says Hart. 🐾

JOIN FREE! Welch's and Roundy's Pick'n Save invite you to become a member of the Kids 'n Critters Club for free! Just send in your application with a Pick'n Save receipt(s) showing the purchase of five Welch's products to receive a free membership, or send in \$5 and a receipt(s) showing the purchase of three Welch's products. Offer expires Dec. 31, 2000. Call (414) 258-2333 for a membership application or fill in the form in your July-August *Wild Things* newsletter.

Zoo Pride volunteer David Cohen shares information on the Zoological Society's new Kids 'n Critters Club with Kim Elliott and her children Noah, 7, and Maya, 4, of Milwaukee. The Kids 'n Critters Clubhouse is south of Monkey Island, near the new Temple Monkeys of Tikal outdoor exhibit.



Halloween at the Zoo

Kids, enjoy Halloween at the Zoo on two weekends this month, thanks to sponsorship by Hershey's & Roundy's Pick'n Save. At **Boo at the Zoo**, held from 6 to 9 p.m. on Oct. 20 and 21, young children can zigzag through the Haunted Halloween Maze, listen to spooky but fun ghost stories, watch ghoulish movies in the Small Mammals Building, and color a paper pumpkin or scarecrow to take home. The whole family can trek through the dark to visit the animals (most animal buildings will be open). There will be no trick-or-treating till the next weekend, however. **Trick-or-Treat Halloween Spooktacular** again finds the Zoo open from 6 to 9 p.m. Oct. 27, this time for safe trick-or-treat stops for kids. The trick-or-treating continues all day Saturday, Oct. 28, from 9 a.m. to 9 p.m.

Plus, there will be a costume parade Saturday at 2 p.m., a variety of activities and entertainment, a "ghost train" and the Halloween Maze. Either weekend, get a free ride on the Strang Investments Carousel with a Pick'n Save register receipt showing the purchase of a bag of any Hershey's snack-size product. Show your receipt at the ride's ticket booth. Zoological Society members with ID get free Zoo admission, and there's no Zoo parking fee after 5 p.m. Call (414) 256-5412 for more information.



Eye of Newt



In stories, witches' brews often call for "eye of newt." Just what is that? A newt is one name for a salamander, a tiny amphibian that looks like a lizard. How did newts get linked with witches and Halloween? In some tales, witches brew poisonous stews over a fire. In ancient stories, newts were mythological spirits that lived in fire. Some real newts and frogs are

poisonous. Some just taste bad. These often have bright colors to warn off animals that might eat them. Craig Berg, aquarium and reptile curator at the Milwaukee County Zoo, says that newts may have been linked to witches' brews because "some newts in Europe and North America have

substances in their skin that are extremely distasteful. Also, the eyes of some newts and frogs are very beautiful, almost jewel-like. There is this myth that there was a jewel inside the head of the common toad, but you could get to it only if you could dig out the eye before the animal died." Eye of newt?

continued on page 14

Nocturnal Animal Facts

As the days get shorter and Halloween approaches, nocturnal animals come to mind. Bats may be the most well-known animal that is active at night, but thousands of other mammal species are nocturnal. These animals find it easier to hide from predators in the dark. They can hunt better because the air is stiller, smells linger and sounds travel farther. Their eyes and ears may be larger and more sensitive to compensate for the dark. Hairs or whiskers may extend their sense of touch. And nocturnal animals generally are smaller than diurnal animals (those that are active during the day), making it easier for them to move quietly through the night. Here are facts about three nocturnal animals:

Common vampire bat (*Desmodus rotundus*) – These tiny creatures from South America weigh only 1 to 1½ ounces. They may be the only parasitic mammals in the world. Common vampire bats eat only the blood of mammals (often cattle); the other two species of vampire bats prefer the blood of birds. The bats land close to their prey, walk over to the animal, and make a small cut in the skin with their sharp front teeth. Their saliva contains chemicals that keep blood from clotting, and so a trickle of blood keeps flowing, which they lap up. A chemical from vampire bat saliva soon may be used to treat human heart disease.



Sugar glider (*Petaurus breviceps*) – These big-eyed marsupials (see photo) are distantly related to kangaroos. They live in groups in the forests of New Guinea, Australia, and nearby islands. They cannot fly, but can glide more than 100 feet between trees. They are able to control the direction, speed, and height of their glides precisely. A membrane of skin extending from the forelegs to the hindlegs acts as a wing. The tail is used to steer during “flight” and, when not gliding, to carry leaves for the group nest. Stored fat in the tail and body allows sugar gliders to survive extended periods of food scarcity and cold weather.

Fennec fox (*Fennecus zerda*) – The fennec fox is the smallest of the 35 wild species in the dog family (which includes wolves, jackals, coyote, foxes and dogs). But these foxes have the largest ears in proportion to body size in all the dog family. Large ears help them detect prey and radiate heat. They live in desert and semi-desert regions of northern Africa, Arabia, and the Sinai Peninsula. For cold desert nights, they have a thick coat that extends over the soles of their feet so they can move over sand with agility. A fennec fox digs so quickly that it looks as if it’s “sinking” into the sand.



Nocturnal Quest

Use a light-colored pencil or crayon and circle the animals below that are nocturnal animals on exhibit at the Milwaukee County Zoo. You can find them in the Animals of the Night side of the Small Mammals Building.

- | | |
|-------------------------|--------------------------|
| vampire bat | meerkat |
| river otter | kowari |
| bushbaby (mohol galago) | kinkajou |
| douroucouli | ring-tailed lemur |
| cotton-top tamarin | fennec fox |
| fat-tailed dwarf lemur | snowy owl |
| prairie dog | masked palm civet |
| sugar glider | fruit bat |
| springhaas | African black-footed cat |
| chevrotain | |

Answer to the July 2000 Monkey Quest: The Milwaukee County Zoo has the following monkey species: Japanese macaque, spider monkey, colobus, Diana monkey, douroucouli (or owl monkey), Goeldi's monkey, golden-headed lion tamarin, golden lion tamarin, cotton-top tamarin, mandrill, siamang.

Animal Word Scramble

calkbtac
stba
edpirs
lwof
ksane
latnrauta
afod
wetn
oxf

Kids, see if you can make the following words out of the mixed-up letters at left:

tarantula, toad, bats, spider, fox, black cat, wolf, newt, snake.



Photo is of the Zoo's Lake Evenrude at night.



QUESTION: How long is a newborn prairie dog? How much do they usually weigh? - Sarah Voight, 11, Sturgeon Bay

Baby black-tailed prairie dogs are 82 millimeters (3¼ inches) long from the tip of their nose to the tip of their tail, says Bess Frank, the Zoo's curator of large mammals. On average a prairie dog weighs 15.5 grams (about 5½ ounces) at birth. A 9-month-old male black-tailed prairie dog can weigh 947 grams (about 2 pounds). If you haven't yet seen the new prairie dogs on exhibit at the Milwaukee County Zoo, you can find them between the black bear and badger exhibits.

QUESTION: How long does it take for Wisconsin painted turtle eggs to hatch? What do they eat? - Deon Robaczek, 7, Franklin

A painted turtle's eggs usually hatch in 72-80 days, says Tim Tews of the Aquatic & Reptile Center at the Milwaukee County Zoo. The time it takes to hatch is called gestation. If a turtle lays its eggs late in the season (July or August) the eggs may not hatch until the following spring. A painted turtle's diet is 60%



Kids Alive 14

animals (slugs, snails, crayfish, insects, small fish) and 40% plants. A good reference book is *Turtles of the United States* by Carl Ernst and Roger Barbour.

QUESTION: How much does a zoologist get paid? Where is a good college if you wanted to become one? - Caitlin Knauss, Age 11, Wauwatosa

Salaries vary widely within the animal and environmental science professions. A person's salary also depends upon such things as education, skill, reputation, accomplishments and the salary market in the area where he or she lives. Some zoologists become zookeepers, and their salary depends on the size and type of zoo. Starting salaries may be as low as \$15,000 a year. At a city- or county-operated zoo, keepers start near \$20,000. The U.S. Fish and Wildlife Service's starting salary for a biological technician is \$21,797; people with advanced science degrees make more; a biologist starts at \$39,960. The University of Wisconsin-Madison has an excellent zoology department. For information on environmental careers, contact the Wisconsin Department of Natural Resources or the U.S. Fish and Wildlife Service.

Kids!
Send us your animal questions. Remember to include your first & last name, age, phone and full address.



Eye of Newt

The Zoo has two newts. They are called Mandarin newts, but they also have been known as orange-striped newts (for their orange stripes), crocodile newts, emperor newts, and Chinese salamanders. In the wild they live in southern China, northern India and northern Thailand. Zoologists used to think they were poisonous. New studies show that they are not, says Berg. The glands in their skin do secrete mucous, but it's mainly to moisten their skin. These pretty little newts came to our Zoo in 1994 and live in the Aquatic & Reptile Center. You can sponsor one of these orange-striped newts (Mandarin newts) for \$10 through the Zoological Society's Sponsor an Animal program. Call (414) 258-2333 for details.



Student Designers Attack Feline Building

BY FRAN BAUER

Milwaukee County Zoo and Zoological Society officials now have a much clearer picture of how to remodel and expand the Zoo's 50-year-old Feline Building, thanks to 25 students at the Milwaukee School of Engineering. The students, all future architects, engineers and construction managers, devoted much of their senior year to designing three different models, each geared to giving the Zoo's lions, tigers and other felines more space to roam and a much improved setting.

When Zoo and Society officials a year ago unveiled plans for major improvements on the grounds, including a renovated Feline House, Bob Lemke, an assistant professor at MSOE got an idea. The Zoo had yet to launch the capital campaign that will help raise the \$29.6 million needed for the nine-year project. So there was time for his students to try their hand at designing how the Feline Building might look one day.

"The Zoological Society is pleased to have awarded small grants to the students to cover materials costs for their models to make this project a reality," said Gil Boese, Zoological Society president.

Unlike with most classroom projects, students were able to spend hours talking directly to Zoo and Zoological Society staff members about the changes needed in the building. They also toured zoos in other cities to gather more ideas. "People at the Zoo were really helpful," said Brandon Lemouier, who led one of the three design teams. "But the administrators and zookeepers all wanted different things. It became a challenge

to figure how we could please all of them."


The Feline Building is used for education and is also rented out to the public, explained Bess Frank, the Zoo's curator of large mammals. "The students had to think about the needs of the animals, keepers and visitors, which are not always in sync."

For the students, the biggest challenge was to whittle their ideas, which were at

first grandiose, into far more practical but still workable plans that met the \$3.3 million budget established for the project. By the time they were done, each of the three teams of students had decided to renovate the existing building and use what's there rather than build from scratch. These revised plans add on new additions, some horizontally and some vertically, Lemke

explained. They focus on providing better access for people. And they provide better care for the animals, by expanding exhibition space by 50% to 100%, and making the settings even more natural.

"The students have given us all kinds of ideas," said Bess Frank. And she predicted bits and pieces of all three designs would be incorporated when the Feline Building actually is remodeled. "It was like a dry run for us," she said. "Now we have a whole list of definite no's as well as others things we'd definitely like to see in any remodeling."

The students presented intriguing new ideas that had not been considered, she said, such as the way that windows were added, giving the public the chance to see the animals roam both inside and outdoors. It will come as no surprise to Bess Frank if at least a few of the students wind up on the professional design team the Zoo and Zoological Society will hire when it's time to begin the remodeling—possibly by the year 2004. 



Assistant Professor Bob Lemke (with tie) reviews the model of a renovated and expanded Zoo Feline Building designed by Milwaukee School of Engineering students (from left) Mike Kempfert, James Geloff and Brandon Lemouier. Lemke had all 25 of his students—future architects, engineers and construction managers—present to Zoo and Zoological Society officials different building models geared to giving the Zoo's big cats more space to roam and more natural environments. The Zoo hopes to include the students' ideas in the \$3.3 million building renovation project, to begin as early as 2004.

Aging Animals: Care & Comfort



Valera the jaguar, 18, is the oldest cat in the Feline Building.

FIRST OF A TWO-PART SERIES
BY PAULA BROOKMIRE

But you never thought old animals could retire. Yet if you think of being on exhibit and greeting Zoo visitors every day as a job, then several animals at the Milwaukee County Zoo are retired and "off exhibit." Others are going about their daily routines in their exhibits, but more slowly and with more stiffness. Zoo staff are caring for these aging animals with as much love as they might for their own grandparents.

Ding, the 17-year-old Indian fruit bat in the Small Mammals Building, is a grandfather by fruit-bat standards. He's showing signs of age: His black wings are graying and streaked with white. He has arthritis in his joints and can't hang onto branches as well as when he was young. He is a little bald in spots. And he's easily frightened by visitors who sometimes bang on his exhibit window.

"A couple of times he fell. He ripped his wings twice on the branches," says Nina Schaefer, supervisor of small mammals. "So I started bringing him into the warm kitchen to heal. He liked it so much, now he bangs on his exhibit door (which opens onto the kitchen) as soon as he sees the lights go on when keepers come in before 8 a.m." She considers Ding retired since he is not always on exhibit and, when he is, he hangs in his doorway to the kitchen.

Schaefer, who hand-raised Ding from infancy after his aged mother died of a heart attack, says this large bat had a full "career." He has been on TV, he was on a poster for Bat Conservation International, and he was photographed as a symbol for a rum company.

Not every Zoo animal that gets old needs to retire. Onassis, the 60-year-old female Amazon River turtle, is probably the oldest animal in the Zoo, and she's in perfect

health, says Craig Berg, aquarium and reptile curator. You'll see her swimming quite easily in the Amazon River exhibit.

Still, aging animals—and their geriatric ailments—are on the increase in zoos across the country. You might call it a problem of success.

"With the increasing knowledge that we have about animal needs in captivity, almost without exception animals in zoos live longer than they do in the wild," says Dr. Bruce Beehler, the Zoo's deputy director for animal management and health. An example: One of the Zoo's English sparrows lived to age 17. In the wild, sparrows live only two or three years.

"In the Zoo they are protected from predators and parasites. They are not subject to dangerous environmental conditions such as extreme temperatures and droughts. They have a constant and nutritious food supply. Through veterinary and dental care, they are treated for infections and other problems. As a result, we have a geriatric population of animals that would never be found in the wild. This presents new challenges to the animal-care staff," says Beehler.



Sabu, 14, a prolific snow leopard, has had 18 cubs.

"Most of our older animals get arthritis," says Zoo veterinarian Vickie Clyde. These animals are treated with some of the same painkillers that people use.

Physical therapy sometimes helps, as does making it easier for the animal to move around its exhibit. The vets also are trying nutritional supplements such as glucosamine and chondroitin sulfate, which helps repair cartilage, according to several studies.

"The verdict is still out in our minds as to whether the nutritional supplements work," says senior veterinarian Roberta Wallace. Some animals respond better than others.

Ding the fruit bat, 17, shows gray in his wings.



Mongo the 32-year-old Malayan tapir—the oldest tapir in international zoo record books—is one that has been helped by supplements, says Dana Nicholson, pachyderm area supervisor. Mongo is on vitamin E and chondroitin sulfate. "When I first started in pachyderms a little over nine years ago, they expected Mongo to go any time. He had foot problems, teeth problems, stiff and sore joints. But we've been able to take care of a lot of the problems with routine maintenance. Now he's relatively active. When we shag him outside in the morning, he's usually waiting by the door." A decade ago he was more reluctant to go outside. Nicholson can't recall Mongo needing any major care for several years.

Mongo is partially blind and probably doesn't hear very well. Yet he's still able to eat, navigate his exhibit, and look forward to going outdoors. "Once animals are geriatric, our goal is to keep them comfortable so they can keep enjoying life," says Clyde, the vet.

Neil Dretzka, feline area supervisor, says that when he came to Felines 10 years ago, "The vets referred to our cats as the geriatric beat." Borzys, a Siberian tiger that died at age 21 in November '96, was one of the five oldest tigers in captivity, according to international zoo record books. Record books also showed that Ricky, a caracal that died Dec. 31, 1998, at age 20, was the oldest captive caracal in the world. Boomer, the spotted hyena that died in 1994, was a ripe old 28, quite aged for a hyena.

Older cats don't tolerate the cold as well, can get arthritis and may have kidney failure, says Dretzka. "We've actually



Onassis the Amazon River turtle, 60, is the Zoo's oldest animal.

changed diets completely for some of the old cats. We've switched them to a special protein diet that puts less stress on the kidneys. We can keep them going for another year or two like this. We've given them wooden pallets to sleep on, to get up off the cold floor. You can tell they're old when they don't mangle the pallet. If you would have given Borzya a pallet in his prime, he would have torn it into kindling."

For a time, Nen the Siberian tiger was getting 70 Prednisolone pills a day for her myasthenia gravis, recalls Dretzka. "We

bought chicken breasts to hide her pills in. We pampered her for more than a year before she died in 1992." She was 18.

Currently the oldest cat in Felines is Valera the jaguar, age 18. Five other cats are 14: snow leopards Sabu and Jade (parents of cubs born last summer), Sheena the Siberian tiger, and lions Sasha and Amon Ra. In terms of average life spans, however, Sheena would be considered the oldest.

"This geriatric thing is relative, notes Beehler. "A 4-year-old rat is very old. A 4-year-old cat is young. The longevity of some animals is surprising. Birds such as cranes can live to age 75. Large cats live to age 15 to 20. Bears live to be 30 to 40 years old. It's not obvious by looking at animals

what their longevity is. People think of tortoises as being long-lived, but alligators are, also."

Geriatric ailments are relative, too. Berg, aquarium and reptile curator, says that reptiles may not show signs of aging as much as mammals, for example. "Because reptiles are not quite as active, the physical impairments that you would normally have with aging (such as calcification of vertebrae) aren't quite as debilitating."

When an animal is debilitated and suffering, what does the Zoo do? 🐾

Next issue: The Zoo as nursing home and decisions on what to do when an animal is suffering.



Zookeeper Rich Schweitzer feeds Mongo the Malayan tapir, 32, the oldest captive tapir in record books.

\$50,000-\$99,999

- American Airlines
- Zoo Ball
- Ameritech
- Summer Special Exhibit - Butterflies!
- Living Jewels of the Mundo Maya
- Helen Bader Foundation, Inc.
- Birds Without Borders - *Aves Sin Fronteras* (education)
- The Lynde & Harry Bradley Foundation
- General Operations
- Mac E. Demmer Charitable Trust
- Birds Without Borders - *Aves Sin Fronteras*
- Miller Brewing Co.
- Animal Ambassador Program
- Birdies & Eagles Golf Tournament
- Oceans of Fun Seal & Sea Lion Show
- Recycled Zoo
- Zoo a la Carte

\$20,000-\$49,999

- Kimberly-Clark Foundation
- Keepers of the Wild
- The Ladish Co. Foundation
- School Programs
- M&I Bank
- Seasonal Zoo Brochures
- National Fish and Wildlife Foundation
- Birds Without Borders - *Aves Sin Fronteras*
- Northwestern Mutual Foundation
- Habitat 2000
- The Pentair Foundation, on behalf of Fleck Controls
- Urban Environmental Outreach Initiative
- Jane B. Pettit Foundation
- Birds Without Borders - *Aves Sin Fronteras*
- Ronndy's Pick'n Save
- Boo at the Zoo
- Conservation Weekend
- Egg Day
- Family Free Days at the Zoo
- Father's Day at the Zoo
- Kids Nights
- March Is Frozen Food Month
- Ride on the Wild Side Family Bike Ride
- Samson Stomp & Romp
- Snooze at the Zoo
- Summer Adventure Camps
- Trick or Treat Halloween Spooktacular
- Twilight Safari
- St. Francis Bank
- Zoomobile
- Tri City National Bank
- Beastly Bowl-A-Thon
- Behind the Scenes Weekends
- Feast for the Beasts Pancake Breakfast
- Kids 'n Critters Club
- Senior Celebration Support
- Sponsor an Animal Program
- Sunset Zoofaris
- Zoo'n You Coupon Book



Serengeti Circle

The Serengeti Circle is an exclusive group of corporations and foundations that support the Zoo and Zoological Society through sponsoring special events, exhibits/attractions, programs and promotions at the \$2,500 level and above. For more information on sponsorship opportunities at the Zoo, please call Patty Harrigan, (414) 258-2333.

\$10,000-\$19,999

- American Zoo & Aquarium Association (Conservation Endowment Fund)
- Bonobo Survey in Salonga National Park, Democratic Republic of Congo
- Anonymous
- Student Intern Program
- A.O. Smith Foundation
- School Programs
- Beneficial Foundation
- Bonobo Survey in Salonga National Park, Democratic Republic of Congo
- Helen Brach Foundation
- Bonobo Species Survival Plan
- Conservation, Food & Health Foundation
- Bonobo Survey in Salonga National Park, Democratic Republic of Congo
- Robert K. & Joyce R. Cope Foundation
- Annual Animal Art Competition
- Belize Outreach Program
- DMC Advertising & Direct Marketlog
- Zoological Society Membership Support
- Oryppers Corp.
- Stroller Rentals

\$5,000-\$9,999

- World Wildlife Fund
- Bonobo Survey in Salonga National Park, Democratic Republic of Congo
- American Express Financial Advisors
- Animal Ambassador Program
- Antonia Foundation
- Birds Without Borders - *Aves Sin Fronteras* (education)
- Applied Power Foundation
- Student Intern Program (education)
- Associated Bank
- Summer Adventure Camp Peer Mentor Program
- Aurora Health Care
- Senior Celebration
- Best Buy Co., Inc./Best Buy Children's Foundation
- Urban Environmental Education Initiative
- Chapman Foundation
- Birds Without Borders - *Aves Sin Fronteras* (conservation)
- General Operations
- Environmental Protection Agency
- Birds Without Borders - *Aves Sin Fronteras*
- Excelsior Lodge #175 F. and A.M.
- Animal Ambassador Program
- The Falk Corporation
- Wisconsin Butterfly Garden
- Firstar Corporation
- Nights in June
- Hawks Nursery
- Winter Wonderland Support
- Richard and Ethel Herzfeld Foundation
- EdZooation Workshops
- Jays
- Kids Nights
- Kaytee Products Inc.
- Zoo Support Program
- Judy Kern
- Bonobo Survey in Salonga National Park, Democratic Republic of Congo
- McCornick
- Egg Day
- Milwaukee's Pickles
- Snooze at the Zoo
- NEL Alumni Association
- Kids Days Off
- Northern Trust Company
- Playpus Society Awards Dinner
- Milton and Lillian Peck Foundation
- Animal Ambassador Program
- Reynolds Wrap Aluminum Foil
- Conservation Weekend
- The Jerome & Dorothy Holz Family Foundation
- Animal Ambassador Program
- Scenic Safari Road Rally

Thanks to the Ladish Company Foundation's major support, thousands of schoolchildren each year can attend programs like Journey into the Wild, Feline Fun, Turkey Days and Exploring Spring. The Ladish Company Foundation has sponsored Zoological Society school programs since 1994.

- Welch's
- Twilight Safari
- \$2,500-\$4,999
- ANR Pipeline Company
- Animal Ambassador Program
- ACME Corp. Production Services
- Recycled Zoo Support
- Beatrice Cheeg, Inc.
- Animal Ambassador Program
- Briggs and Stratton Corporation Foundation
- School Programs
- The Chinot Company
- Father's Day at the Zoo
- Pancake Breakfast Support
- CNI Newspapers
- Ride on the Wild Side Family Bike Ride
- Cooper Power Systems
- Animal Ambassador Program
- Fortis Insurance Foundation
- Animal Ambassador Program
- Harnischfeger Industries Foundation
- Animal Ambassador Program
- Community Center Outreach
- Heinemann's Restaurants
- Mother's Day at the Zoo
- The Home Depot
- Animal Ambassador Program
- International Paper Co. Foundation
- Summer Adventure Camps Support
- Charles D. Jacobus Family Foundation
- Animal Ambassador Program
- Mariette Medical Systems Foundation
- Animal Ambassador Program
- Marshall Field's Project Imagine
- Animal Ambassador Program
- Mayfair Mall
- Annual Animal Art Competition
- Zoological Society Holiday Gift Promotion
- Maysteel Foundation Ltd.
- Wisconsin Students in Conservation Biology
- Milwaukee Foundation's John C. & Harriett Cleaver Fund
- Animal Ambassador Program
- PPG Industries Foundation
- Animal Ambassador Program
- Racine Danish Kringles
- Breakfast/Lunch With Santa
- Society of Tympanuchus Copido Pinnatus, Ltd.
- Wisconsin Student Grant Symposium
- Time Warner Cable
- Animal Ambassador Program
- Rene Von Sehleinitz Foundation
- Wisconsin Student Grant Program

* In-Kind Sponsorships
Sponsors and grantors committing dollars and in-kind gifts for events and programs after August 23, 2000, will be recognized in the next issue of *ALIVE*.

Platypus Society

PLATINUM PLUS II \$15,000

American Airlines *
Aurora Consolidated Laboratories *
DMC Advertising & Direct Marketing *
Ernst & Young *

PLATINUM PLUS I \$10,000-\$14,999

Water Street Garage *

GOLD CORPORATE \$5,000-\$9,999

ACME Corp. Production Services *
All American Graphics *
Beck Carton Corp.
Bucyrus-Erie Foundation
Curtis Universal Ambulance *
Harnischfeger Industries +
Laureate Group
Miller Brewing Co.
NML Graphics *
Roundy's Inc. +
The Russ Darrow Group
Taylor Electric *

GOLD PATRON \$5,000-\$9,999

Milwaukee Foundation's Halbert & Aliee Kadish Fund
Jill & Jack Pelisek
Mr. James Steinman +

SILVER CORPORATE III \$3,500-\$4,999

DMC Advertising & Direct Marketing +
C.G. Schmidt, Inc. +

SILVER PATRON III \$3,500-\$4,999

R. Robert & Madeline J. Howard
Jaquelyn Larson

SILVER CORPORATE II \$3,000-\$3,499

IVM, Inc. *
Mandel Co. *
Milwaukee Foundation's Luedke-Smith Fund +
The Ziegler Foundation, Inc.

SILVER PATRON II \$3,000-\$3,499

Abby O'Dess & Bill Hein +
Michael Fitzpatrick +
Bernard & Miriam Peck

SILVER CORPORATE I \$2,500-\$2,999

A.O. Smith Foundation, Inc.
Bnographics *
Beauice Cheese, Inc.
Capitol Stampings Corp. +
Robert K. & Joyce R. Corp Foundation
Harley-Davidson, Inc.
Harry W. Schwartz Bookshops *
Evan & Marion Helfaer Foundation
Hoffer Trnopic Life Pets *
IRIS, Inc. *
Jagemann Plating Co.
Kalmbach Publishing
Michael Best & Friedrich
Paper Machinery Corp.
The Perlick Co., Inc. +
Peter Schwabe, Inc.
Rockwell
Stackner Family Foundation



Jim Rauh
President and CEO Northern Trust Co.

Northern Trust is pleased to support the Milwaukee County Zoo as a member of the Platypus Society and as the sponsor of this year's Awards Dinner. The Platypus Society deserves special recognition for its community leadership and its generosity to the Zoological Society's mission. We are very happy to be a part of this distinctive group.

Taylor Family Foundation
Tri City Bankshares Corp.
Wisconsin Energy Corp. Fdu.

SILVER PATRON I \$2,500-\$2,999

Foster Family Foundation
Byron & Suzy Foster
Coleman A. Foster
Eckhart & Ischi Grohmanu +
Rheinhold & Beverly Hngo
Leon & Bonnie Joseph
Herb & Nada Mahler +
Tom & Yvonne McCollow
John & Judy McGourthy
William J. Murgas

CORPORATE III \$2,000-\$2,499

Central Ready-Mixed L.P. +
The Gerstenberg Foundation
Litho-Craft Co., Inc. *
National Business Furniture
Tucker Anthony Cleary Gull

PATRON III \$2,000-\$2,499

Anonymous
Thomas & Marilyn Fifield
Philip & Mariette Orth
Jeffrey & Joan Siegel
Bob & Rose Vohl

CORPORATE II \$1,500-\$1,999

A to Z Printing Co., Inc. *
Ameritech
Ato-Findley, Inc.
C&H Distributors
A.J. & F.H. Ellinger Foundation, Inc.
Erie Manufacturing Co. +
The Falk Corporation
Gleischmann Sumner Co., Inc. +
Great Lakes Veterinary Clinical Lab *
Koss Foundation, Inc.
QLC, Inc.
R&R Insurance Services, Inc.

Northern Trust is pleased to support the Milwaukee County Zoo as a member of the Platypus Society and as the sponsor of this year's Awards Dinner. The Platypus Society deserves special recognition for its community leadership and its generosity to the Zoological Society's mission. We are very happy to be a part of this distinctive group.

Risser Imaging, Inc. *
Split Rail Foundation
Stern McDonalds Restaurants
WOKY/WMLL *
Zimmer Thouson Associates, Inc.

PATRON II \$1,500-\$1,999

Christin Clark Cleaver & Joe Goldberger
Mark Dreyer & Linda S. Coyle
Tom & Mary Ann Dyer +
Mr. & Mrs. J. Thomas Emerson
Dr. Leander Jenuings
Jim & Janet McKenna +
Dr. Harry Prusen Family *
Jack & Barbara Recht
John & Linda Sapp +
Dr. William & Judy Holz Stathas +
Mr. & Mrs. John Steiner +
Steven & Tammy Wentworth
Bernard C. Ziegler II +
Judy Van Till +

CORPORATE I \$1,000-\$1,499

A to Z Printing Co., Inc. +
Ace World Wide Moving & Storage *
All City Sign Company *
Albiant Foodservice
American Trade & Convention Publications, Inc.
Apple Family Foundation
Arthur Andersen & Co.
Associated Bank Milwaukee
Anora Health Care, Inc.
Badger Liquor *
BancOne Investment Management Group
Bnke Properties
CERAC, Inc.
Canopies
Century Fence
Church Metal
Computerized Structural Design
Cook & Franke S.C.
Covenant Healthcare System, Inc.
Country Inn Hotel & Conference Center *
Crivello Carlson Mentkowski & Steeves S.C.

Deloitte & Touche LLP
Derse Family Foundation, Inc. +
Doral Dental USA, LLC
Durrant Architects
East Shore Specialties *
Emmpak Foods, Inc.
Engman-Taylor Co., Inc.
Equitable
Exhibitory Plus *
Fabco Equipment Co. +
Family Dental Care
Fleet Mortgage Group
Flying Fish Graphics *
Fringe Benefit Planning, Inc.
Fruit Ranch Market, Inc. *
Gary F. Miller, Inc.
Godfrey, Braun & Frazier
Gold Creations, Ltd.
Good Electric Co.
Graef, Anhalt, Schloemer & Assoc.
Great Lakes Marketing, Inc.
HM Graphics
Heinemann's Restaurants *
Helwig Carbon Products
Home Depot - Franklin
Home Depot - Grafton
Home Depot - Waukesha
Holz Motors, Inc.
Honeywell
Hunt Memorial Trust
Hyatt Regeney/Regency Caterers *
Independent Metals Co., Inc.
Industrial Electric & Wire Company
InPro Corporation
Jordau Chiropractic Clinic
John T. Jacobus Family Foundation
John Bank
Klement Sausage
Kornisar, Brady & Co., LLP
Kranse Family Foundation
Laacke & Joys Co. *
Larry's Brown Deer Market *
LS Research
M&I Marshall & Ilsley Bank
Manufacturing Services, Inc.
Marcus Theaures Corporation *
Marsh USA, Inc./William M. Mercer
Maysteel Foundation +
Medical Care Specialists *
Megal Development Corp.
Menasha Corporation Foundation
Midway Hotels
Milwaukee River Hilton *
Milwaukee Direct Marketing
Milwaukee Electric Tool Corp.
Monarch Corp.
NCL Graphic Specialists
Nev's Ink, Inc.
Northern Trust Company +
Nursefinders of SE WI +
O'Byrne Distributions Centers, Inc.
Oak Crest Assisted Living +
Omni Tech Corporation
PAK Technologies *
PBBS Equipment Corp.
PieperPower Foundation
Pricewaterhouse Coopers
Rite Hite Foundation
Robert Haack Diamond Importers
Robert W. Baird Co. Fdn.
Robertson-Ryan & Associates
St. Francis Bank, F.S.B.
Schmidt & Bartel Funeral Service
Sitzberger & Co.
State Financial Bank

Stein Garden Centers, Inc.
Sirattec Foundation
Saby, Von Haden & Assoc. S.C.
Sun Cleaning Systems, Inc.
Tamarack Petroleum Co., Inc.
Thomson Realty of Wisconsin, Inc.
Uihlein Electric Co., Inc.
Unique Exteriors *
United Water Services
Universal Foods Foundation
Viter Foundation, Inc.
WICOR - Parent of Wisconsin Gas and WICOR Energy
Wauwatosa Savings Bank
West Bend Mutual Insurance Co.
Western Lime Corporation
Whyte Hirschhoeck & Dudek, S.C.
Wild Promotious

PATRON I \$1,000-\$1,499

Mr. & Mrs. William J. Abraham, Jr.
Howard E. & Barbara A. Alcorn
Mr. & Mrs. Kurt Beethold +
The Begun Family *
Neal and Carla Bntenhoff
James & Kaye Lynne Carpenter
William & Priscilla Chester
Ross H. & Elizabeth Dean
Stepheu & Wendy Dearholt
Douglas & Norrine Devenport
Mrs. Elaine Eisner
Mr. Dale Engstrom
Excelsior Lodge #175 F. & A.M. +
Mr. & Mrs. Thomas Goris, Sr.
Linda L. Grunau
Mrs. Carole F. Honston
Alan J. & Karen P. Katz
Robert & Sandra Koch
Mike & Billie Kubly
Doug & Linda Kuehn
Eugene F. & Gwen Lavin
Dominic Lychwick
Mr. & Mrs. John MacDonough
Mr. & Mrs. David Meissner
Dr. George Morris *
Jeffry & Hidee Neuwenschwander +
Albert O. Nicholas +
Jodi Peek & Les Weil
Randall & Liza Perry
Jane B. Pettit
Joan Piek
Richard J. Podell
Verne & Marion Read +
Richard Riedelbach
A.D. Robertson
Barry & Judy Sattell
Dr. John Scheels *
Allan H. & Suzanne Selig
Dr. David Slosky *
Stearns Foundation, Inc.
Eleanor & Ed Stevens
Mrs. Robert A. Uiblein, Jr.
Mr. and Mrs. William D. Van Dyke
Barbara Van Engel
Lowell Warshawsky
Sarita Warshawsky

PATRON \$500-\$999

Active Investor Management, Inc. +
Daniel & Linda Bader +
Peggy & John Beckwith
Shannon Behr
Dr. Gil & Lillian Boese
Paul & Patty Cadorn

Brian & Sophia Cooley
William & Gerylann Cannon
Chubb Group of Insurance Companies
Steve & Lynn Clavette +
Dave's Tax Service
The Gretchen & Andrew Dawes
Endowment, Inc.
Anne Tynjon Deli +
Mr. & Mrs. R. Thomas Dempsey, Jr.
Arthur J. Donald Family Foundation
Donald & Nora Dreske
Gerald M. & Donna Elliott +
Kay Eisen
Bob & Helen Erffineyer
Virginia Fifield
Mrs. Erna Flagg
Anne & John Fleckenstein
Kenneth & Linda Footland
Donald & Mary Jane Gallo
Mark B. Garher
Bernard J. Gerbutovich
Mrs. Benjamin Gjenviek
Dr. & Mrs. Gerald Gleisner
Robert Goldberger, M.D.
C.L. Gosewehr
Janet & Don Greenebaum
Grunan Co., Inc.
Eli & Michael Guzniczak +
Hammel Green and Abrahamson, Inc.
Dennis D. & Patricia L. Harton
Cecil & Tricia Hawley +
John & Anne Hazelwood
Herbert H. Kohl Charities, Inc.
Mr. & Mrs. William A. Hersch
Russell & Irene Heumann
Andrew & Paula Holunau
Thomas N. Holton
James & Shirley Howard
Illingworth Corporation
Kay Johnson
Judy Jungen
Drew & Trish Kagerbauer
Jonathan & Marilyn Kay
Kevin & Patricia King
Benedict & Lee Kordus +
Sybil G. LaBudde
Lancaster Family
Donald & Mary Jo Layden
Gordon & Jean Lee
Lewis Sound, Inc.
LiphaTech, Inc. +
Loretta Lorenzen & Daryl Laaisch
Mr. & Mrs. Brian Luetzow & Family
Carl Lutzke
M&I Northern Bank
Quinn & Jane Martin
Lisa Maner & Ed Probst
Virginia & Jim McCormick *
Mr. & Mrs. D.F. McKeithan, Jr.
Kevin & Laura McKenna
Mr. & Mrs. Charles McNeer
David & Bettie Melzer
O.J. Merrell & Christine Renstrom
Dr. Ron & Bobbi Michalski
Miss Irmagarde Mielke
Bill & Sandi Moomey
Mr. & Mrs. H. Carl Mueller
Nevins Family Foundation
Larry Newman
Jerry & Judy O'Callaghan
Oilgear Ferris Foundation
Kathleen Olejnik
John Oster Family Foundation
Mr. & Mrs. James Pandl
Donald & Kim Parker, Jr.

Peer Bearing & Chain
Walter & Arlene Peltz
Gina Alberts Peter
Isabelle Polachek
R&B Wagner, Inc. +
Mr. & Mrs. Peter Rokich in memory of Helen Amidzich
The Rowe Family Foundation
Dr. Morris & Barbara Sable
Allen & Vicki Samson
Max Samson & Nancy Pinter
Andrew T. & Karen K. Sawyer, Jr.
Ken & Marilyn Scheffel
William Schmus
Paul & Kathleen Schultz
Bette Schutzman
P. J. Seippel
Natalie B. Soref
Standard Electric Supply Company
Stanek Foundation, Inc.
Gary & Marley Stein
Mrs. Leon Stein
Mr. & Mrs. Richard A. Steinman
Lorraine Straszewski
Anne & Fred Stratton
Snssex Tool & Supply, Inc.
Peter J. Tellier
Toebes Chiropractie
Travel Plns *
William & Diana Troyk
David & Julia Uihlein
Mr. & Mrs. James I. Uihlein
United Heartland, Inc.
Usinger Foundation
V. Richards
Timothy & Jennifer Vellinga
Dennis & Deborah Walders
Robert & Joyce Weiss
Dick Wenninger
Chuek & Trish Wikenhauser
James & Betsy Williamson*
Rand J. Wolf
V.H. Jacklin
Woller-Anger Company
Paul Wong Family
Chuck & Sandy Yanke
Craig Young & Sharon Busey
Dave & Dorothy Zellmer
Donald & Rosemary Zellner

5-year Platypus Society Member in bold (updated each fall)

+ Members who have increased their level of giving by 10% or more

*Members who have made in-kind gifts of products or services

Friends contributing to the Platypus Society after August 23, 2000, will be recognized in the next issue of *Alive*.



NEW MEMBERS

The Zoological Society welcomes the following new Platypus Society members as of August 21, 2000:

CORPORATE I

\$1,000 - \$1,499
Durrant Architects
Honeywell
Milwaukee River Hilton

PATRON

\$500-\$999
Brian & Sophia Cooley
Linda Gerbitz

NEW GIFT LEVELS

The Zoological Society thanks the following members for their increased level of giving:

SILVER CORPORATE III

\$3,500-\$4,999

C.G. Schmidt, Inc. +

SILVER PATRON II

\$3,000-\$3,499

Abby O'Dess & Bill Hein +
Michael Fitzpatrick +

PATRON II

\$1,500-\$1,999

Dr. William & Judy Holz Stathas +

STEERING COMMITTEE

Richard L. Schmidt,
Chairman

Robert M. Anger

Jane Bekos

Dr. Gil Boese

Linda L. Grunau

Dr. Leander R. Jennings

Bonnie Joseph

Kenneth Kerzner

Quinn Martin

Daniel E. McKeithan, Jr.

Jim McKenna

David Moffett

Joel Nettesheim

Jeff Nowak

Bernard J. Peck

Thomas Perz

John Sapp

Andrew T. Sawyer, Jr.

Judy Holz Stathas

Tom Wamser

The Zoological Society recognizes its major donors through membership in the Platypus Society, whose members include over 375 area foundations, businesses and individuals contributing more than \$435,000 annually in unrestricted support. In appreciation for their generosity, Platypus members have the option to receive exclusive VIP benefits. If you would like to more information about the Platypus Society, please contact the Zoological Society's Development Director, Joan Rudnitzki, at (414) 276-0843, vmail 217.

What's Gnu

Turquoise Tanager

Born: Feb. 20, May 19, July 18, 2000
Herb & Nada Mahler Family Aviary

The births of five baby tanager chicks in five months is an exciting event, as only 81 of these rare birds live in U.S. zoos, says Kim Smith, the Milwaukee County Zoo's curator of birds. A pair of the tiny songbirds arrived at the Zoo in 1996 from Suriname, along the northern coast of South America. But they never mated until taken off exhibit last winter and given some privacy in tree branches of a secluded area hidden behind a shade screen. The female hatched her first egg in February, two more in May (one died), and another pair in July. Their chicks weaned, the parents are back on exhibit, a striking sight with their cobalt blue faces and turquoise shoulders. Smith won't breed any of the aviary birds more than three times in a season, to ensure they stay healthy and strong. The turquoise tanager has been the most difficult tanager to breed in captivity, she says. "Hopefully, these four chicks someday will produce chicks of their own."



Moose

Born: May 20 and June 2, 2000
Moose Exhibit, North American Area

Both Melrose the moose and her daughter Linda gave birth this spring. Melrose had twins, Aspen and Birch, May 20. Aspen struggled to survive all summer in the Zoo hospital. One keeper joked that she's the most expensive moose in the world, because she's had so much medical care. By September, she was doing well. Linda's June 2 calf, Willow, is healthy and on exhibit with Birch. Melrose came to Milwaukee in June 1995, after wandering into the Boston suburb of Melrose and being captured by police. Bess Frank, our Zoo's curator of large mammals, was visiting Boston, saw the moose on TV, and called authorities to offer the moose a home in Milwaukee. Clifford, the father of all three calves, came here in June 1996 from Vermont. He was found as a 3-day-old orphan and nursed to health by an animal expert. In the wild, moose browse on shrubs and trees in marshes and woods of northeastern Canada and the United States. Daron Graves, supervisor of the North American Area, supplements their diet with leaves and branches supplied by Zoo gardeners.



Koala

Arrived: June 7, 2000
Australia Building

Will Taree, the new koala here on loan from the San Diego Zoo, ever become a mom? Will R.T., our veteran koala, take her as a mate after rebuffing two other females? Will the koalas, which prefer solitude and sleep up to 16 hours a day, ever wake long enough to mate? Stay tuned as the young female marsupial (please don't call her a bear) tries to attract the outdoor-loving R.T., 12. He spends warm days in the yard of the Koala Walkabout. She stays inside. When Daron Graves, supervisor of the Australia Building, took 10½-pound Taree out in the yard for a photo, she panicked and dug her claws into his hand. This normally sweet 2½-year-old apparently wasn't ready for an outdoor perch or the nearby emu. It can be hard to see a koala in a tree, says Graves, who has visited them in their native Australia. "They sit so still you miss them." Koalas eat only eucalyptus leaves, and their habitat is dwindling. Now legally protected, koalas were nearly wiped out in the 1920s by hunters. Koalas are Australia's national symbol. You can become a sponsor of Taree through the Zoological Society's Sponsor an Animal program. Call (414) 258-2333 for details.

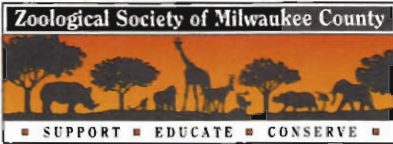


Springhaas

Arrived: March 28, 2000
Small Mammals Building

Some people mistake the gentle springhaas for a rabbit. But it is actually a rodent native to eastern and southern Africa. It also looks like a kangaroo, with big eyes, a long furry tail and the ability to leap up to 25 feet to escape danger. When nervous, they thump their tails and shuffle, before jumping away. Our new rodent couple, Spice and Tanzy, join Kesi, an older springhaas that has lived at the Milwaukee County Zoo since 1985. When springhaas stand, their front paws are tucked up under their chins and hidden, says Nina Schaefer, supervisor of Small Mammals. Spice and Tanzy love to nibble at the fur on each other's backs, giving one another punk-rocker haircuts. These nocturnal mammals feed at night on roots, leaves, fruits and vegetables. By day they're usually in long tunnels they've dug in sandy soil. They often build several entrances to their tunnels, so they can close up any hole where danger lurks. Sometimes they'll listen at the ground for vibrations of a foe that might be approaching.





10005 W. Blue Mound Rd., Milwaukee, WI 53226
<http://www.zoosociety.org>

Address Service Requested

**DATED MATERIAL
DO NOT DELAY DELIVERY**

MOVING?
PLEASE LET US KNOW!

Non-Profit Organization
U.S. POSTAGE PAID
Permit No. 4073
Milwaukee, WI 53226

Bring your  and get FREE admission to

Wisconsin Electric/Wisconsin Gas presents

Holiday Night Lights

at Milwaukee County Zoo
December 8-10, 15-23, 26-30, 2000
featuring The Zoological Society's

Winter Wonderland

(in the Otto Borchert Family Special Exhibits Building)

Don't miss:

- * Hawks Nursery's Hall of Trees
- * Santa's Workshop & Mrs. Claus' Bake Shop, sponsored by Wisconsin Electric/Wisconsin Gas
- * A Lionel model railroad with a north woods theme
- * Kriss Kringle's Craft Corner for Kids
- * Live animals

Event is 6-9 p.m.

Call (414) 256-5412 for more details.

