

# Alive

Zoological Society of Milwaukee County

April 1999





# PRESIDENT'S LETTER



Ten years ago, we knew we needed to get the Zoological Society's education programs into local communities, excite children and their families about learning, and get those families back to the Milwaukee County Zoo to show them how the Zoo can be an important part of their cultural lives.

The Animal Ambassador program was born. Every year since 1989, we've been sending our educators into schools in low-income neighborhoods to teach the importance of being aware of our environment and responsible for it; we've been bringing the children to the Zoo to reinforce what they learn in the classroom; and the child "ambassadors" have been taking their families to the Zoo, passing along their new conservation awareness. The continuing success of this popular program, which has touched the lives of thousands of children and their families, would not be possible without the support from dozens of our community's companies and organizations.

In this issue we also thank Ameritech for its sponsorship of the hottest exhibit at the Zoo this summer - Ameritech's Dinosaurs of Jurassic Park & The Lost World; Miller Brewing Company for its sponsorship of Miller's Oceans of Fun Seal & Sea Lion Show, one of the most popular attractions at the Milwaukee County Zoo; and all of the corporations, foundations and private landowners who have supported the Birds Without Borders - Aves Sin Fronteras research-conservation-education project to help save songbirds.

We have a lot to celebrate this summer. Please join us!

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



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.

### 1998-1999 BOARD OF DIRECTORS

#### Directors

William J. Abraham, Jr. Mike Archer Jane Austin*** John B. Burns R. Thomas Dempsey Thomas E. Dyer Linda Grunau Rheinhold Hugo Dr. Leander R. Jennings Bonnie Joseph Henry Karbimer Karen Katz Herbert Mahler Quinn Martin John D. McGourthy, Sr. Jack McKeithan* James McKenna Sandi Mooney Jeff Neuwenschwander Jill Pelisek Gina Alberts Peter	Richard J. Podell Jack Recht Jay H. Robertson James C. Rowe John Sapp Barry Sattell Richard Schmidt William Schmus John Steiner Richard A. Steinman John W. Taylor Mrs. Robert A. Uihlein, Jr. Tom Wamser Larry Weiss Jane Wierzba** Paul Wong	Robert T. Foote Richard A. Gallun Richard D. Gebhardt Edward A. Grede John A. Hazelwood Robert A. Kahlor Ann McNeer William G. Mooney Philip W. Orth, Jr. Frederick L. Ott Bernard J. Peck William R. Pollock, Jr. Jerry Reiser Kurt W. Remus, Jr. A.D. Robertson Gene Soldatos James A. Taylor Allen W. Williams, Jr. William C. Wright Bernard C. Ziegler III
--	---	--

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

### 1998-1999 ASSOCIATE BOARD

#### Directors

Bob Anger David Batten Lori Bechthold Mike Brophy Doug Calvin Judy Dorse Nora Dreske Robin Flatley John Heckenstein Patti Gorsky Eli Guzmiczak Katie Harding Joe Heil Diane Koenig Peter Kordus	David Krosner Liz Little Marc Marotta Kat Morrow Joel Nettesheim Jeff Nowak Bunny Rasch-Hooten Victor Schittone Dan Schwabe Jeff Siegel Judy Stathas Russell Stepke David Strelitz James Szymanski Jane Wierzb*	<b>Honorary Directors</b> Tom Bayoff Mike Fox Linda Grunau Lee Walther Kordus Quinn Martin Richard J. Podell Jerry Reiser Arlene Bernsik Barry Sattell Jeff Steren John Steiner
---	---	--

\* Associate Board President

### 1998-1999 ZOO PRIDE BOARD

#### Directors

Jane Austin* Don Bacher Joann Bartlein Cheryl Brossmann Denise Doehr	Jerry Hafemann Helen Heller Kay Johnson Mary Luksich Virginia McCormick	Ron Pearson Paula Spiering Karen Stephany Gloria Tredler Mildred Wrench***
--	---	--

\* Zoo Pride President    \*\*\* Immediate Past President

### ZOOLOGICAL SOCIETY MANAGEMENT STAFF

<b>President</b> Gilbert K. Boese, Ph.D.	<b>Education</b> Mary Thiry	<b>Membership Programs/Volunteers</b> Robin Higgins
<b>Administration/Finance</b> Judy Treinen	<b>Marketing/Communications</b> Patricia Harrigan Mills	<b>Special Events</b> Laura Knollenberg
<b>Development</b> Joan Budnitzki		

Alive is published quarterly by the Zoological Society of Milwaukee County, 10005 W. Blue Mound Rd., Milwaukee, WI 53226. Subscription by membership only. Call (414) 258-2333 for membership information. <http://www.zoosociety.org>

<b>Editor</b> Patricia Harrigan Mills	<b>Kids Alive Writers</b> Education Staff
<b>Contributing Editor</b> Paula Brookmire	<b>Photographer</b> Richard Brodzeller
<b>Editorial Assistant</b> Renee J. Mayo	<b>Printer</b> NML Graphics
<b>Artist and Designer</b> Christian J. Keene	<b>Publications Committee Chair</b> R. Thomas Dempsey
<b>Kids Alive Artist</b> Christian J. Keene	



page 4



page 6



page 8



page 16

# Alive

VOLUME 19, ISSUE 2

## FEATURES

- 4 ROLE MODELS**  
The Zoological Society's Animal Ambassador Program celebrates 10 years of teaching thousands of schoolchildren to be ambassadors for endangered animals and the environment.
- 6 KEEPING UP WITH THE DINOS**  
Keeping up with the fast-changing developments in knowledge about the prehistoric world - especially dinosaurs - is easier when you come to see the latest information displayed at Ameritech's Dinosaurs of Jurassic Park & The Lost World. This splashy, nationally touring exhibit - which includes a 72-foot-long *Mamenchisaurus* model - is at the Milwaukee County Zoo June 12 through September 19.
- 8 SCIENCE & SONGBIRDS**  
Birds Without Borders-*Aves Sin Fronteras* is a research-conservation-education project to help save songbirds. The ambitious, educational portion of the project got into full swing this academic year. It involves hundreds of schoolchildren helping Zoological Society scientists with bird research and with enhancing schoolyard habitats to provide small sanctuaries for birds.
- 16 REWARDING BEHAVIOR**  
The breadth and depth of the animal training going on at the Milwaukee County Zoo is outstanding, says Deputy Zoo Director Bruce Beehler. It has had wonderful results both for animals and zookeepers, improving animal health and increasing the bond between animals and keepers. Sea lion trainer Shelley Ballmann has been instrumental in expanding the training.

## DEPARTMENTS

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

## JUST FOR KIDS

11-14 Kids Alive

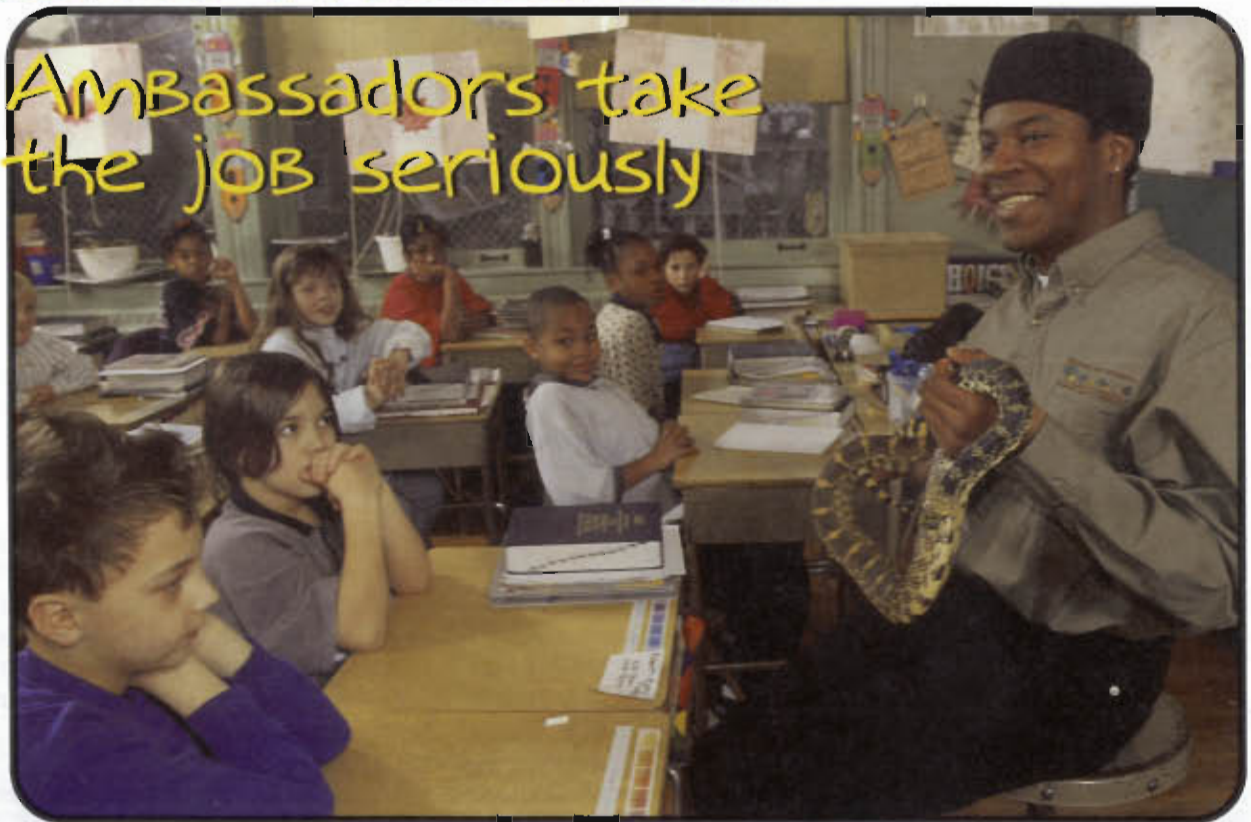
## ON THE COVER

Slick, one of several sea lions featured in Miller's Oceans of Fun Seal/Sea Lion Show (see pg. 16)



# Role models:

**Ambassadors take the job seriously**



**Zoological Society educator James Edwards gives children from Milwaukee's Trowbridge Street School a hands-on introduction to a Fox snake while teaching about animal preservation and adaptation, ecology, geography and careers in science.**

"This is real, everyone!" says the awestruck fourth grader as she holds the crocodile skull high above her head for all her classmates to see. The look of wonder in her eyes is unmistakable as she touches the artifact and passes it around. The other students gathered here in the Zoo's Aquatic & Reptile Center respond in kind and, for a moment, the room is silent, all eyes focused on nature.

Now more than ever, the students comprehend the importance of their jobs as Animal Ambassadors.

These students from Milwaukee's 27th Street School are part of the Zoological Society's Animal Ambassador Program, a perennial favorite among the 24 participating schools and the sponsors that have donated \$64,000 this year alone.

Now in its 10th year, the Animal Ambassador Program allows children from low-income schools to explore conservation and possible careers in the sciences through two classroom visits and three field trips to the Zoo. Program sponsors also subsidize summertime visits to the Zoo for the children and their families.

This is no free ride, however. In exchange for the trips and the lessons, students are charged with an important duty: To act as ambassadors on behalf of the animals that need their help. It's a serious job; in fact, James Edwards, the Zoological Society educator who meets with the students at the first visit, wears a tuxedo to illustrate just how influential ambassadors are.

"An ambassador makes big decisions for whom ever it is he or she is representing," says Edwards. "This is how we communicate this importance to them."

With the Animal Ambassador Program celebrating its 10th anniversary this year, Karen Peck Katz, who has been part of the program since its inception, sees it as highly successful. It certainly has gotten across the message of conservation. She is a member of the Zoological Society's Board of Directors and also represents the Milton and Lillian Peck Foundation, which sponsors two schools.

"At White Rock School in Waukesha, the program is always growing in popularity," Peck Katz says enthusiastically. "Children

hear all about it through older brothers and sisters who have also participated. Kids make the best ambassadors."

Back at the Zoo, Edwards is only midway through his first year on the job, yet already he recognizes the program's impact. "A lot of these children have not visited the Zoo before and they're amazed that there are animals like ours in the city," Edwards says. "It's like a dream come true for them."

As an African-American educator and scientist, he knows that the messages of wildlife conservation and career opportunities will hold particular resonance for the students. "For kids who are at risk, it's best for them to see other minorities in the field who are successful."

After the busy morning of lessons and tours, the 27th Street fourth-graders take a break for lunch. Michelle Conley, the official class reporter, holds up five pages of notes she has taken.

"We learned that fish are coldblooded, stuff like that," she says matter-of-factly. "I also know what it means to be an Animal Ambassador—to take care of the animals and represent them."

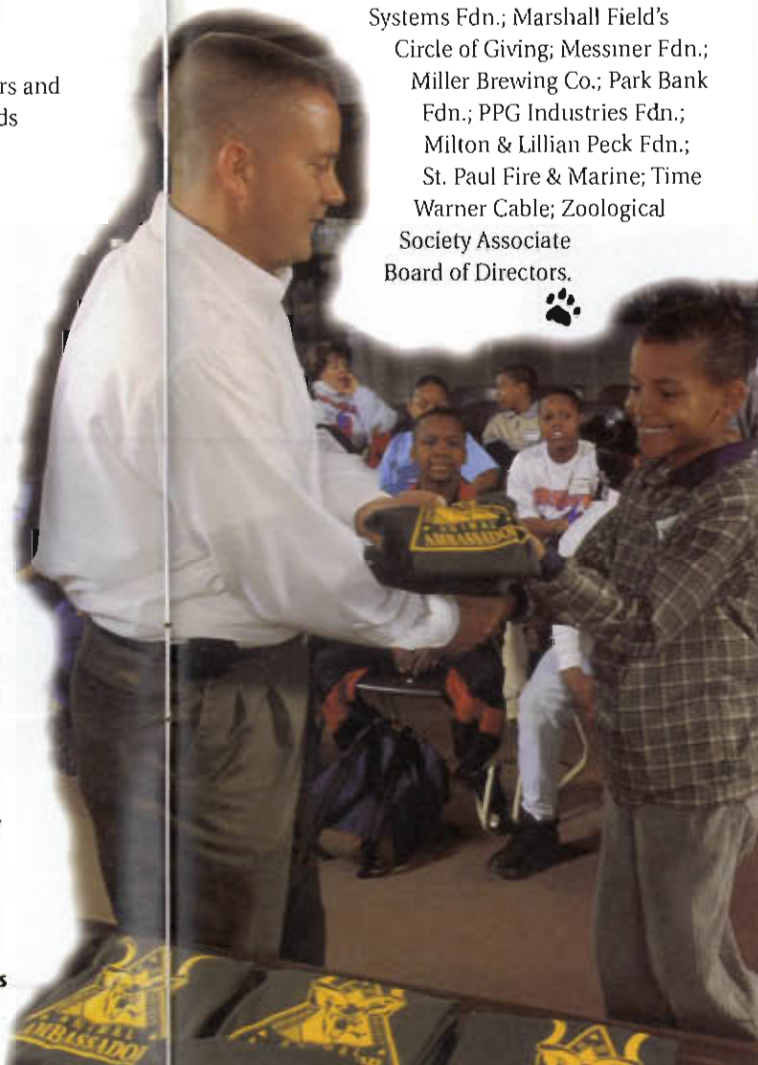
Adds her teacher, Clotilde Melo: "There's nothing like giving children the chance to see, touch and hear—experiences they can't get in the classroom."

And if Michelle is any measure of the program's success, this new Animal Ambassador can't wait to learn more.

"I told my teacher I'll be happy to come here on our next field trip," says Michelle.

The Animal Ambassador program's sponsors are American Express Financial Advisors, Inc.; Beatrice Cheese, Inc.; H.H. Camp Fdn.; Canadian Pacific Railway; The Chapman Fdn.; John C. & Harriett Cleaver Fund; Cooper Power Systems; Excelsior Lodge #175 F and AM; Fortis Insurance Fdn.; Harnischfeger Industries Fdn.; Jerome & Dorothy Holz Family Fdn.; The Home Depot; Charles D. Jacobus Family Fdn.; Manulife

Financial; Marquette Medical Systems Fdn.; Marshall Field's Circle of Giving; Messmer Fdn.; Miller Brewing Co.; Park Bank Fdn.; PPG Industries Fdn.; Milton & Lillian Peck Fdn.; St. Paul Fire & Marine; Time Warner Cable; Zoological Society Associate Board of Directors.



**John Stoffer of sponsor Canadian Pacific Railway distributes Animal Ambassador T-shirts to Granville School students during their first visit to the Zoo as part of the program.**

## ON THE JOB

James Edwards, Zoological Society Educator



James Edwards knew he wanted to work with young people, helping them discover the important role they play in society. But he never imagined he'd be using animals such as snakes and groundhogs to convey the message.

That's just what he's doing as coordinator of the Zoological Society's Animal Ambassador program. He joined the Society's Education Department last August. With a B.S. degree in community health education, Edwards previously had worked for the Milwaukee Health Department and for the Public Allies Apprenticeship Program. His work involved reaching out to at-risk youth in schools and

community groups on violence and suicide prevention. He also taught health education at Southern Illinois University in Carbondale.

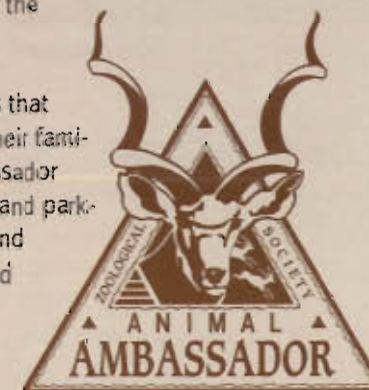
But the unconventional pairing of children and animals appealed to him: "Animals are an excellent intervention tool," he says. "They give children a chance to think about things other than their daily lives."

In the Animal Ambassador Program, Edwards reaches third- through sixth-grade students in 24 low-income schools. He teaches them about conservation and wildlife, but he also serves as a role model, getting their attention on his first visit to their school by donning a tuxedo. He talks about careers and what it takes to get a good job in the sciences.

On his second visit to their school, Edwards brings along one of four animals: a groundhog, snake, ferret or box turtle. "Students always ask me beforehand if I could bring a tiger or giraffe to their school," he says. "But my car just isn't big enough."

As they get to know the animals, both through Edwards' visit and through visits to the Milwaukee County Zoo, the children gain more understanding of how the future of humans is linked to the world's animals.

"The neatest thing about the program is that in summer the 'graduates' return with their families, proudly wearing their Animal Ambassador T-shirts," he says. (Their Zoo admission and parking is paid for by program sponsors.) "And they teach the moms, dads, brothers and sisters what it means to be an ambassador for animals."





# keeping up with the DINOS

Think you know your dinosaurs? Maybe you can tell a *Tyrannosaurus rex* from a *Triceratops*, but can you distinguish a *Mamenchisaurus* from a *Giganotosaurus*?\* The prehistoric world is a fast-changing place – at least in what scientists are discovering. For some of the latest “scoops,” visit Ameritech’s Dinosaurs of Jurassic Park & The Lost World, the splashy, nationally touring exhibit that stomps into the Milwaukee County Zoo June 12 and calls it home for the summer.

“Almost everything we know about dinosaurs has come to light recently,” says Don Lessem, author of several books on the beasts and creator of the exhibit. “We’re really in the renaissance of dinosaur research.” In his official exhibit guide, he writes: “We find a whole new kind of dinosaur every six weeks.”

Much of this new knowledge will be part of the indoor dinosaur exhibit at the Zoo. The multimedia exhibit – including a towering, 72-foot-long *Mamenchisaurus* model – already has drawn large, enthusiastic crowds in New York City, Houston and Columbus, Ohio. With eight other dino sculptures – including

the popular *Velociraptors* and the baby *T. rex* – plus a plethora of dino skeletons, the exhibit is more like a mobile museum.

Lessem traveled from Alaska to Mongolia to Australia 10 years ago to track down the world’s leading dinosaur researchers. From that experience came a book, followed by more books, television documentaries, then consulting on the Hollywood blockbuster “Jurassic Park.” The movie work hatched another idea: Why not ask director Steven Spielberg to use the



The exhibit includes this skeleton of a *Giganotosaurus*, the largest known carnivore.

film’s creatures in an exhibit to benefit dinosaur research? “Spielberg said, ‘Sure.’” Lessem recalls.

Since then, the show has expanded and dinosaur researchers have received \$1.2 million. In turn, findings from those studies are incorporated into the exhibit.

One of every five dollars brought in by the Milwaukee show will be used for more dinosaur research.

“The objective of the show is to use it as a metaphor for telling about dinosaur evolution,” Lessem said during an interview from his home in Massachusetts. “We want to show how fast-changing the science is. A lot of the dinosaurs in the exhibit have not been shown before in North America. You’re not just going to be looking at props from movies.”

For instance, visitors will see the first display of the skeleton from the world’s largest known meat-eating dinosaur, *Giganotosaurus*. At 42 feet long, the dino-

saur, recently discovered in Argentina, is 10% larger than the toothsome *Tyrannosaurus rex*. Some displays will describe how dinosaurs gave birth, cared for their young in nests, fought, communicated and lived with each other in communities. One section is indeed devoted to the movies “Jurassic Park” and “The Lost World,” with vehicles, camping equipment, costumes, cages, etc. But clips from the films illustrate parts of dinosaur biology.

The exhibit’s educational elements are a teacher’s dream. How did the *Mamenchisaurus*’ heart pump its blood along a 30-foot neck to its head? An interactive station on blood pressure gives the clues. What kinds of sounds did dinos



These models of a *Stegosaurus* mother and baby appeared in “The Lost World.”

make? How did they walk? What did their eggs look like? Children can touch fossil replicas, activate CD-ROMs on dino behavior, and view dino skeletons arranged in the order they appeared during the more than 150 million years dinosaurs roamed and ruled the Earth.

In addition, several Zoological Society Summer Adventure Camps will focus on dinosaurs. (For information on camp registration, call (414) 256-5424 or see your April *Wild Things* newsletter, enclosed with the packet containing this *Alive* magazine.)

“If everything you know about dinosaurs comes from movies, you probably think they’re all on steroids, racing around and eating meat,” Lessem said. Think more salad bar than prime rib if you want a true picture of dinosaur life. “They were mostly a bunch of plant eaters,” Lessem explained. “You’d find them standing around trees, eating vegetation and going to the bathroom for most of the day.”

Were dinosaurs done in by an asteroid that slammed into the planet, as many scientists believe? This cataclysm theory receives Hollywood star treatment from Jeff Goldblum, who appeared in both of Spielberg’s dinosaur films. Goldblum hosts Extinction Theater, a multimedia exhibit that chronicles dinosaur diversity and ends with their demise in a dramatic meteorite explosion.

A sure-to-be-popular area of the exhibit is the dinosaur dig, a simulated archaeological site in which children can help uncover the bones of a hurried *Albertosaurus*.

“A cast was made of one of the best dinosaur skeletons found,” Lessem said. “It’s buried in a matrix of rocklike materi-

al that allows people to dig without creating dust. It really gives you a sense of what it’s like to be at an archaeological site. You’ll find that it’s fun, but also that it’s hard work. Kids love it. They can spend an hour at it, and perhaps uncover a bone. It takes one year or more to go from top to bottom.”

While dinosaurs hold a particular fascination for many children, Lessem stressed that the exhibit appealed to adults as well. “Kids in general are drawn to dinosaurs,” Lessem said. “I think they’re drawn to their size. But this show really isn’t oriented to little kids. There’s an awful lot that adults can learn. And we’ve tried to do it in a way that’s interesting and fun.”

\*Answer to question at start of story: *Mamenchisaurus*, a plant eater from China, had the longest neck of any animal ever. *Giganotosaurus*, a meat eater from Argentina, was the largest known carnivore.



This *Dilophosaurus* from “Jurassic Park” was pictured with a fanlike frill and the ability to spit poison. The real dino probably didn’t have either.



Photos courtesy of Dinosaur Productions

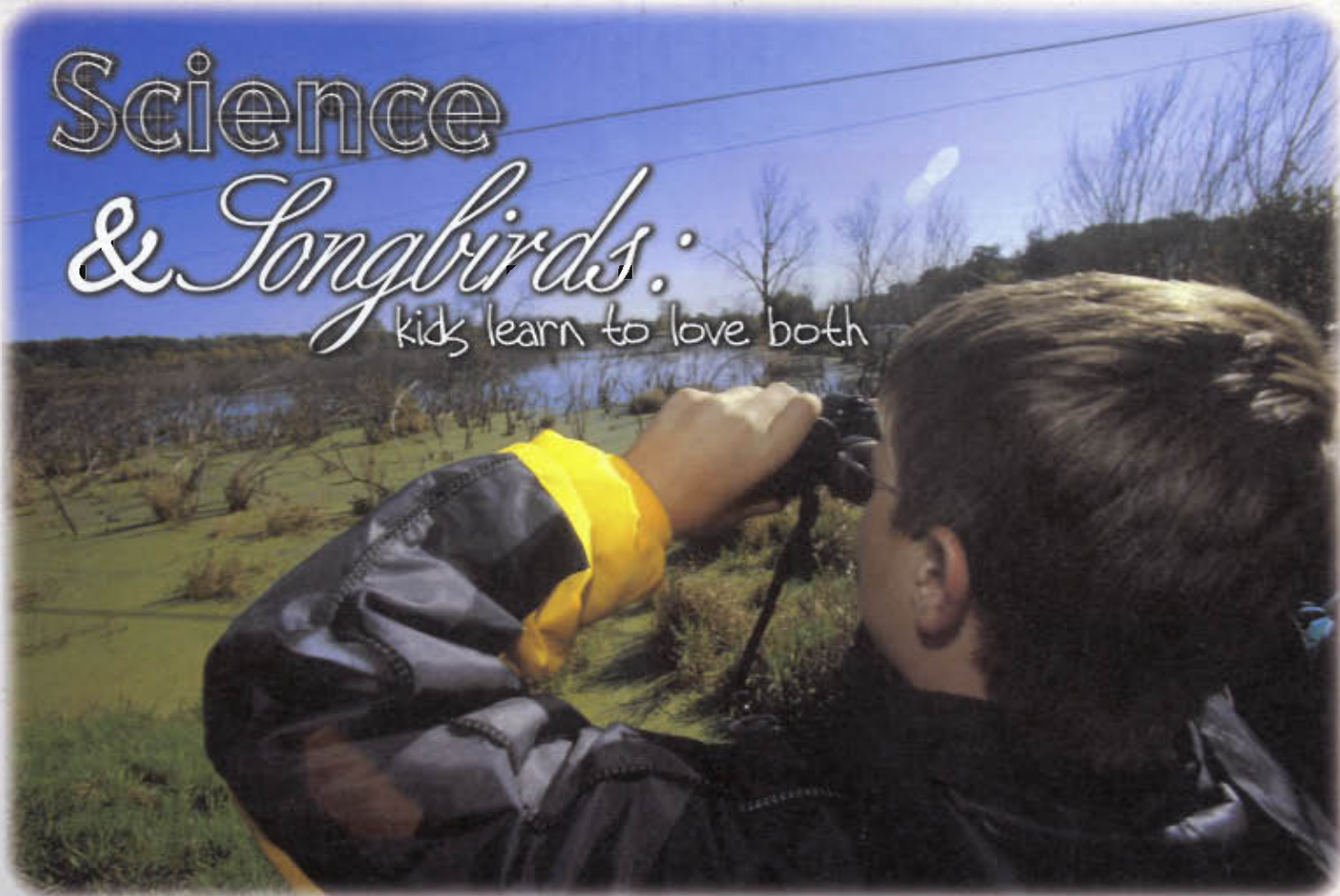


Ameritech’s Dinosaurs of Jurassic Park & The Lost World will be on exhibit in the Otto Borchert Family Special Exhibits Building at the Zoo June 12 through September 19. Admission is \$2. Zoological Society members will get exclusive viewing of the exhibit June 14-17 during the Society’s annual Nights in June, sponsored by Strong Funds.



# Science

## & Songbirds: kids learn to love both



Each school class participating in Birds Without Borders-Aves Sin Fronteras received binoculars for bird-watching.



Vicki Piaskowski does field research on birds during summer in Wisconsin and during winter in Belize.

Potato chip, potato chip. Does that sound like a bird song to you? Well, if you listen carefully to the American goldfinch, you almost can hear its song saying, "potato chip, potato chip." By matching words that children are familiar with to actual bird songs, children are more likely to remember the songs and be able to identify the song of a specific bird.

And that's just what a group of seventh graders at West Milwaukee School was doing one day in January during a visit by Zoological

Society educator Kerry Scanlan. "Pizza, pizza, pizza, pizza" went the bird song on audiotape. That's the black and white warbler, explained Scanlan. "Teacher, teacher, teacher" - that's the ovenbird. "Cheerily cheer-up" - the American robin.

The program was part of Birds Without Borders - *Aves Sin Fronteras*, an international research-conservation-education project sponsored by the Zoological Society of Milwaukee and its partner, the Foundation for Wildlife Conservation, Inc. The project's overall goal is to help save migratory and resident songbirds. The school component of this project is ambitious: 472 students in grades six through twelve in 11 Wisconsin schools participated during the fall 1998 semester, with more students coming on board this spring. Schools in the Central American country of Belize, where many Wisconsin songbirds spend their winter, will be added next fall. Children are using the "One Bird, Two Habitats" curriculum developed by Wisconsin's Department of Natural Resources. The students are doing actual research for the project, observing when the first songbirds return to their schoolyards in spring (many robins stayed in Wisconsin over winter), what they eat and where they nest.

During the 1998-'99 school year, the program has included:

- In August 1998, a teacher-training workshop to explain project goals, research, the international aspect of Birds Without Borders, and the curriculum.

- In September/October, visits by all the schools to the three Birds Without Borders research sites in Wisconsin: a Pewaukee wetland and adjacent deciduous forest in the south, a restored native grassland near Rosendale in central Wisconsin, and a northern coniferous bog forest near Land 'O Lakes in the far north;
- In November and again in January/February, visits to each school by Zoological Society instructors to get students started on their research and to teach them more about songbirds;
- In March/April, projects to enhance schoolyard habitats with bird feeders, birdhouses and, in some cases, new plants; and,
- In April/May, repeat visits to the three research sites in Wisconsin. Plus, children start a curriculum unit that shows them how to continue research in their own backyards when they're not at school.

Engaging the children in science research and conservation projects at the same time is an exciting way to get them to see the practical aspects of science, says Mary Thiry, education director of the Zoological Society. Not only do they learn basic scientific methods, but they also have to use critical thinking to solve problems. And this hands-on approach gives them a feeling of empowerment, that they can do something in their own small part of the world to make a difference.

"Children are working together to provide research data on birds and to start creating microclimates," she says. Each little area of their schoolyard that they make more hospitable to birds improves the overall chances of survival for songbirds, which are declining in numbers.

"Deer Creek School in St. Francis, for example, was planting more prairie grasses. And Willow Glen School in St. Francis was planting some shrubs and prairie flowers." The new plantings provide shelter for birds to hide in and plants with berries also provide some food.

Introducing the schoolchildren to field research right at the start of the education program last fall really caught their attention. During their first visit to the Birds Without Borders research sites, children saw researchers in action and got a chance to do their own bird observations. As Vicki Piaskowski, international coordinator of the project, explained: "I was showing them how we catch birds in mist nets, so we can band them. I showed them wild birds and told them about migration routes. Kerry Scanlan and her crew were doing a banding demonstration and talking about bird habitats and bird nests."

In November, each class received field guides to birds, binoculars for bird-watching and field notebooks to log in their data.

"The kids were taking in what they have learned about birds and going farther," says Mary Thiry. "At Deer Creek School, they

wanted to do more than just study the birds at the school. They wanted to study them at their homes. Because kids were so interested in birds, for Christmas they bought their teacher a bird-sound clock. Every hour it chimes a different bird sound. And they created a whole learning corner on birds in their science room."

The bird observations that children log in field notebooks will be gathered by the Zoological Society's Education Department and then correlated by Piaskowski. This data will be an adjunct to the information being collected by professional researchers, who are evaluating the Wisconsin study sites as migration stopovers and as breeding locations. Research has shown that suburban development has chopped up many wooded or grassy bird habitats. No one really has defined what size of a fragmented woodland or grassland is

continued on next page



Zoological Society educator Kerry Scanlan holds up a photo of a goldfinch. Its bird song sounds a lot like "potato chip, potato chip," she says.



adequate as a migration stopover site, however, says Piaskowski. Likewise, researchers need to know more about what songbirds seek in a breeding site.

The overall Birds Without Borders—*Aves Sin Fronteras* project started in 1997 and is slated to run for five years. The research part of the project hopes to point to new ways to save our songbirds. The conservation component involves private landowners learning how to preserve their lands for birds and other wildlife. And the education programs of Birds Without Borders are designed not just for schoolchildren but also for the general public and for college students (who are hired as education and research interns, in hopes that some will go on to careers in science). As for the public, each year Piaskowski

gives several free bird-research talks in communities near the study sites.



In addition to Zoological Society funds, Birds Without Borders is supported by the following grants: the National Fish & Wildlife Foundation, with a matching grant of \$27,500 (given in installments); the R.D. and Linda Peters Foundation, \$19,815 (given in installments); the Wisconsin Environmental Education Board, \$18,854 (given in installments); the Frieda and William Hunt Memorial Trust, \$15,000; the Norcross Wildlife Foundation, Inc., \$9,100; the Antonia Foundation, \$5,000; the U.S. Environmental Protection Agency, \$5,000; the Chapman Foundation, \$5,000; the Equitable Life Assurance Society, \$3,900; and the Will Ross Memorial Foundation, \$2,000.



Scanlan shows seventh-graders at West Milwaukee School turkey feathers, which are designed for attracting a mate rather than for flying.



## Discover the Deep Sea

Remember to check out the Zoo's travelling exhibit on ocean animals and deep-sea exploration. Wisconsin Electric's To See the Sea is at the Zoo only through May 2. And it's free!

## Meet Jennifer the goat

Did you know that the Zoo has 70 goats? And you can pet and feed them in summer, from Memorial Day (May 31) through Labor Day. A newcomer to the goat yard is Jennifer. This little black-and-white goat weighed about the same as a human baby when she was born last Dec. 13. But she grows fast and soon will be adult size: 40 to 45 pounds. By fall she will be old enough to have her own babies, which are called kids. Here 4-year-old Sarah Schubilske of Brookfield pets Jennifer while Sarah's triplet, Lauren, waits her turn. You will find Jennifer in the goat yard across from the horse barn in the Zoo's Stackner Heritage Farm. You know, you can't feed just anything to goats. They need healthful food. So please feed them only the pellets from the goat yard feeding machines (25 cents a handful).



## Prehistoric animals at the Zoo?

The ancestors of crocodiles and alligators may have eaten dinosaurs! The family Crocodylidae first appeared in the Triassic Period, 245 to 200 million years ago, when the first dinosaurs lived. From fossil bones and teeth, scientists know that these early crocs and gators grew to more than 40 feet and ate meat (were carnivorous). Today's crocodiles haven't changed much. They still can grow as long as 30 feet. Alligators and crocodiles are in the same Crocodylidae family, but alligators have a broad snout and overlapping jaws that hide their teeth while crocodiles have narrow snouts and their teeth show. There are two living species of alligators, the American and the Chinese. The Zoo, which has a Chinese alligator (which grows up to 19 feet long) in the Aquatic & Reptile Center, is involved in the Species Survival Plan to help save this critically endangered reptile. The Chinese alligator (at left) is found only in the lower Yangtze River Valley of eastern China.



## Movie dinos!

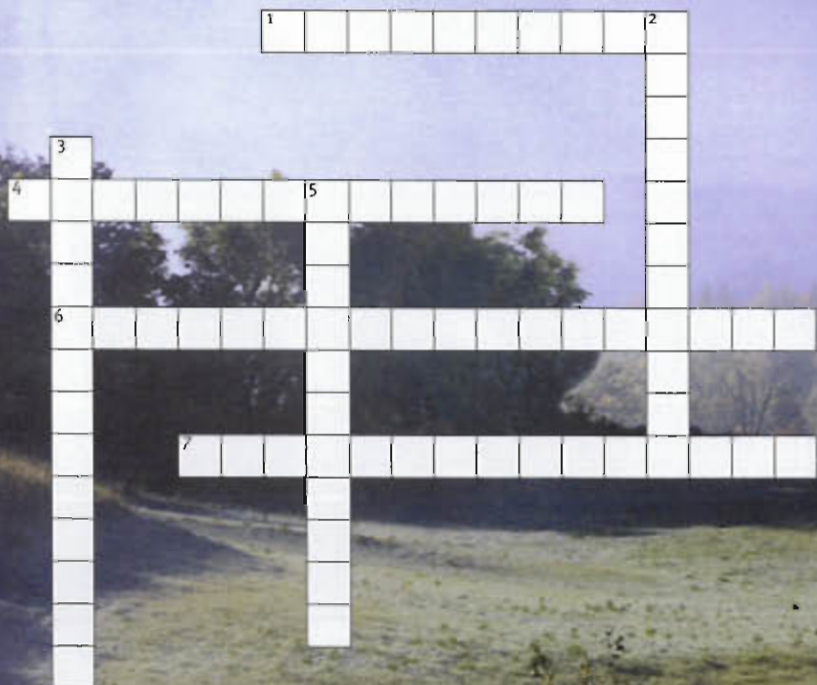


Come see the dinosaurs from the movies "Jurassic Park" and "The Lost World." They arrive June 12 for a summer visit at the Zoo. Zoological Society members get a free showing of the dinos during the evenings of June 14-17.



# Dinozone!

## DINO CROSSWORD



### ACROSS

1. My name means leaping lizard
4. My name says it all. I truly am the giant of the dinosaurs
6. My dinosaur name means "thick-head lizard"
7. I am the tyrant lizard king

### DOWN

2. My name means "roofed lizard"
3. I am the "two-crested lizard"
5. My dinosaur name means "three-horned face"

### WORD LIST

*Allosaurus, Dilophosaurus, Giganotosaurus, Pachycephalosaurus, Stegosaurus, Triceratops, Tyrannosaurus rex*

## DINOSAUR FACTS

From fossils we know that dinosaurs first appeared 228 million years ago in the Triassic Period. Dinosaurs disappeared at the end of the Cretaceous Period, about 65 million years ago.

The *Mamenchisaurus* was the longest necked land creature ever to live. Its total body length from head to tail was more than 70 feet, with its neck 30 feet long. You can see a *Mamenchisaurus* model in the Ameritech's Dinosaurs of Jurassic Park & The Lost World exhibit at the Zoo this summer.



*Tyrannosaurus rex*, known as *T. rex* to its friends, was one of the most powerful dinosaur carnivores (meat eaters). Many people forget that *T. rex* roamed the western United States. Sort of makes you glad you didn't live back then. A plant-eating dino from an earlier period that also roamed the western United States was the *Stegosaurus*.

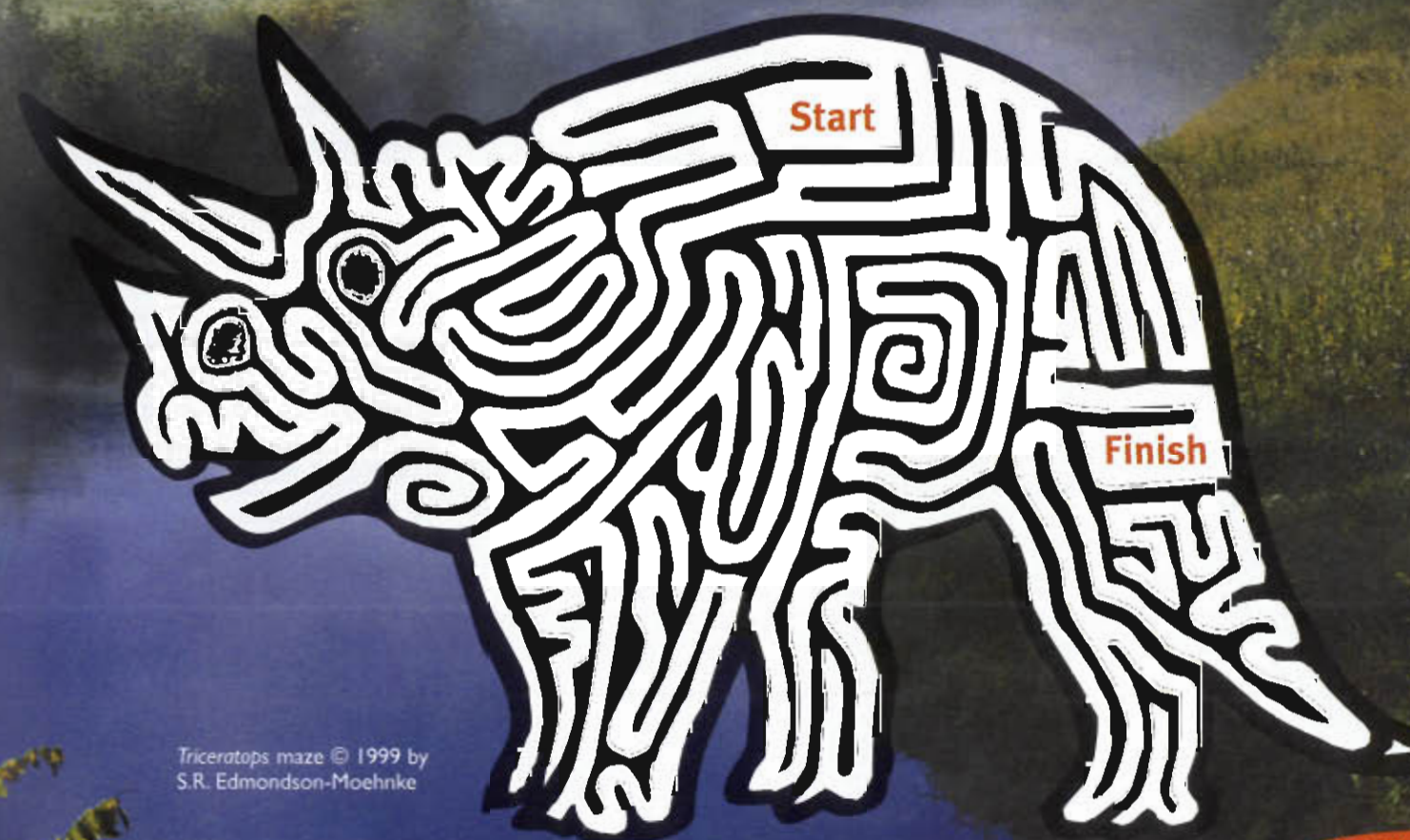
One of the last dinos was the plant-eating (herbivorous) *Triceratops*, last seen 65 million years ago. One of the newest finds of the dino world is *Giganotosaurus* from Argentina. It was 42 feet long and weighed 8 tons. It is the largest carnivorous dino yet discovered. To learn more, check this Web site: <http://www.giganotosaurus.com>. (Thanks to Rolf Johnson, associate curator of paleontology at the Milwaukee Public Museum, for his help.)

## DINO QUEST

In the aviary at the Milwaukee County Zoo, there is a replica of one of the earliest known fossil skeletons of a bird. Find the replica of this prehistoric bird and write its name here:

Answers will appear in the July 1999 *Alive*.

## DINO MAZE



Triceratops maze © 1999 by S.R. Edmondson-Moehnke



## Budding Author Contest Winning Stories



### TWO LITTLE OTTERS LEARN THEIR LESSON

by Hannah Marquardt, 10, of Hales Corners, Wis.

One day, by a big, beautiful lake, two little otters, Oscar and Annie, were playing in the water. They were brother and sister. They were very curious, but they were not allowed to go far out into the lake.

"I wish I could go out there like the older otters," said Oscar. Annie agreed. "Wait! What's that?" exclaimed Oscar. "It's a boat coming this way. Let's go see it!"

"No," argued Annie. But they went anyway.

"Uh-oh. Where is our house?" cried Oscar.

"I don't know. We're lost!" exclaimed Annie. The people in the boat were otter hunters, and they wanted their fur. Annie and Oscar were almost caught in their net! "Aaaah!!" they both screamed.

Suddenly something came up under them. "You two are safe now," bellowed a deep voice. It was their friend Tim, the tortoise. "You should have obeyed your parents and stayed close to shore. It's a good thing I was here to save you."

Soon they were home with Mama and Papa Otter. "We will never run off again. We promise," they said together.



### THE LITTLE DOLPHINS

by Christina Rae, 9, of West Allis, Wis.

Once upon a time there were two dolphins, a girl and a boy.

They played a lot. The girl was 1 year old, and the boy was 1 1/2. Both of them had no dad. The girl's dad had got eaten by a hungry shark.

The boy's dad got old; so he died. The girl's name was Tina because Tina means little one. She was little for her age. The boy's name was Phin because his fins were strong and never got weak. They liked to play tag, hide-and-go-seek, and eye spy.

When Tina was about 3 years old, her mom died because she could not find food. At the age of 3, the boy's mom died, too. They grew up together. They were like family. When they were grown up, they got trapped with sharks. They scared the sharks away. They liked each other. They had two kids. They both were girls. One was named Sugar because she was sweet. The other's name was Malissa because it fit her. They found a nice home to live in, and they lived happily ever after.



### HONORABLE MENTIONS

Stephanie Potter, 10, of Brookfield, for an otter story, and Olivia Walser, 8, of Madison, for an octopus tale. Thanks for all your great stories!

## Curious Kids

**QUESTION:** Does the Great Salt Lake have sea creatures or freshwater creatures? — Kelly Doyle, 8 Brookfield, Wis.

The Great Salt Lake is three times saltier than the world's oceans. Very few animals can survive in that habitat. Brine shrimp, saltwater animals, live in the lake and are eaten by migratory birds. In fact, the shrimp in the Great Salt Lake are the main food for 2 million to 5 million shorebirds, including 1.7 million eared grebes. The lake started out as a large freshwater lake, but no rivers drain from it. Over the years as water evaporated, it got saltier. Phytoplankton (algae), bacteria, and other small zooplankton also live in the Great Salt Lake.

Kids! Why not make your own post card to send in your questions. You can draw animals like us on it.



## CONSERVATION CHRONICLES

### Little Mouse on the Prairie

The best solutions, researcher Nicola Anthony suggests, are home-grown. Take, for example, the challenge of cataloging small mammals scurrying about grassland preserves in southern Wisconsin. The last systematic inventory of small ground mammals in Wisconsin's grasslands was nearly 40 years ago. So scientists weren't sure what types of small animals were out there. Anthony's problem: How do you find the proverbial needle in the haystack, or SMALL mammal in the grass?

Her solution? Create a large corps of volunteers who were interested in conservation and who lived near the areas being surveyed. Anthony, a post-doctoral research associate and graduate student at the University of Wisconsin-Madison, started with 20 volunteers in 1995. The goal? To canvas 16 grassland preserves (likely habitats for species thought to be rare or in decline) from Kenosha County in southeastern Wisconsin to Sauk and Iowa Counties in the south-central part of the state. And do it all in three years.

In the second year, 50 volunteers took part. By 1997, her third year, the volunteer corps totaled 100!

"Practical conservation has been a long-standing interest of mine. One of my primary objectives was to create a framework for voluntary participation," Anthony says. "By doing so, you increase awareness of natural resource issues and the need for conservation. A lot of our volunteers were undergraduate students studying wildlife ecology or The Nature Conservancy volunteers interested in getting hands-on field experience."

Anthony worked in collaboration with fellow biologists Richard Bautz of the Wisconsin Department of Natural Resources (DNR) Research Center and Elizabeth Spencer of the Wisconsin DNR Natural Heritage Inventory Program. Bautz explained why they were studying prairies:

"Prairie ecosystems are some of the most



Photos by Richard Bautz

Nicola Anthony (in striped shirt) and volunteers record the day's data in Scuppernon Prairie in Waukesha County.

endangered in the world. Science is just starting to recognize the value of prairie plants, such as echinacea and St. John's Wort, for human health. Small mammals are important in seed dispersal and in conditioning and aerating soil so that water percolates down through it and doesn't just run off the top, so new plants can grow."

Working closely with the DNR and The Nature Conservancy, both of which own key tracts of grassland and contributed valuable staff time and resources, Anthony and her fellow researchers set up live-traps in their study areas. Thanks to a \$1,000 grant from the Zoological Society's Wisconsin Student Grant Program, she was able to buy non-injurious traps used for capturing live animals, ear-tagging them and then letting them go. The grant program has awarded nearly \$127,000 to 82 graduate students for work in conservation biology.

"The grant was very instrumental," Anthony says. She used trapping techniques learned in Wisconsin in her most recent endeavor, a survey of small mammals in Papua, New Guinea, where she traveled in March.

Her three-year study in Wisconsin yielded several highlights, including finding five species thought to be in decline: a rare Franklin's ground squirrel at the Chiwaukee Prairie in the farthest southeastern tip of Wisconsin, several prairie voles and western harvest mice in dry prairie habitat near the Spring Green area, and two uncommon species of shrew in wetter lowland prairie in Walworth and Waukesha counties.

"What we found underlines the need to preserve diverse habitat," Anthony says. Natural grasslands are disappearing quickly. Despite their small size and isolation, many of the preserves that she and her colleagues worked in contained a surprising variety of small-mammal species, some of them very rare. "This demonstrates that these prairie remnants are important reservoirs for Wisconsin's smallest mammals."

Results from Anthony's study also show that bringing local volunteers in contact with natural-resource managers and scientists can help get a wider group of people involved in conservation.

"Hopefully, we've set the seed for further work of this type for small mammals throughout Wisconsin."



A 13-line ground squirrel at Muralt Bluff Prairie State Natural Area in Green County checks out one of the data sheets in the small mammals study.



# Rewarding Behavior

Combining hand signals and voice commands, animal trainer Shelley Ballmann directs Slick the sea lion to roll over, salute and do wateracrobatics – all to his delight.

It looks so easy. Shelley Ballmann points to a boulder and commands: "Slick, on your rock." A 500-pound sea lion named Slick pops out of the pool and slides onto his rock. She asks him to roll over. He does. Wave at the audience. He obliges. Sometimes he gets fish as a reward. Sometimes he doesn't. But he'll do a 20-minute show at the Zoo even if he doesn't get fish. The real reward is the attention he gets.

You could say the same about the Zoo's bonobos. They don't do shows, but these great apes get the same kind of training – called behavioral shaping — that sea lions get, and for some of the same reasons: stimulation, bonding with keepers, and improved health care. "The bonobos thrive on training," says animal trainer Ballmann. If one of the bonobos, such as Lomako, is not the first one called into the training area, he will sit by the door and knock on it, wanting to participate.

That just goes to show how much animals love to learn. And the fact that it looks so easy – when Slick leaps several feet into the air to catch a ring or Lomako voluntarily offers his arm for a blood sample – demonstrates how successful animal training has been at the Milwaukee County Zoo. Training is not easy. It's time consuming, and some things take animals years to learn.

While animal training has been going on for decades at the Zoo, the specific type of behavior shaping called operant conditioning has taken hold mostly in the last five years. Operant conditioning, which is completely voluntary for the animals, takes them through small steps to a desired behavior and uses only positive rewards. It has been so valuable that zookeepers now are working with animals in six buildings/areas (including fish!) and they plan to train many more animals.

Says Deputy Zoo Director Bruce Beehler: "The breadth and depth of the training we do here are outstanding. This is an enriching experience for the animals because it's all voluntary. It's mental and physical stimulation. It increases the bond

between animals and keepers. And it gives keepers the opportunity to monitor their animals' health even more closely than they would be able to otherwise."

A big stimulus for the spread of operant conditioning here, says Beehler, has been animal trainer Shelley Ballmann. She has been a consultant to zookeepers here since 1993, guiding zookeepers to make sure they are working in the right direction and maintaining consistency with the animals. As a graduate of the Exotic Animal Training and Management Program at Moorpark College in California, Ballmann, who also has a Bachelor of Science in biology from Western University in Illinois, has worked with marine mammals at our Zoo since 1986. In 1991 she purchased the animals from Zoo Vet Productions, which had been running sea lion/dolphin shows here, and founded Oceans of Fun, Inc. With sponsorship from Miller Brewing Company, Ballmann and her staff put on educational shows featuring seals and sea lions several times a day, April through November (see box).

Operant conditioning really got its start here when bonobo trainer Barbara Bell went to a primate training and enrichment workshop in Texas in 1993, explains Beehler. When she returned, she and zookeeper Patricia Kahn started working with the bonobos. Ballmann was asked to advise them.

"We showed them how to build a relationship built on trust, not fear," says Ballmann. "Barbara and Trish are wonderful teachers." And they quickly saw results: A diabetic bonobo was trained to take injections; a mother bonobo was taught to express her milk into a pump; and all the adult bonobos learned to separate from



their close-knit group to go into individual areas for one-on-one training and health checks. "The success was so great and noticed so quickly that they approached us about working with the orangutans with Trish Kahn in 1995."

That same year an animal-behavior specialist from the San Diego Zoo was called in to help develop a training program for elephants. Enthusiastic zookeepers in the Pachyderm building have seen a wonderful response from the Zoo's two African elephants (see Summer 1998 *Alive*) and have expanded the training to other animals in their care: giraffes, rhinos, bongos and, recently, bears.

Currently Ballmann and her staff are helping with the training of elephants, giraffes, bonobos, orangutans, gorillas, koalas, and the Zoo's seal and sea lions that are not part of Ballmann's shows. Timber wolves, when they arrive this summer, also are scheduled for training to help them adjust to their new exhibit. Beehler says that the Zoo has asked Ballmann to write a manual this year that summarizes her training principles and techniques.

"To have somebody on hand, with this knowledge and experience, has given us valuable insights," he adds. "They give us an independent assessment of how the program is going."

Meanwhile, Beehler says, other zookeepers have started their own training programs. Aquarium keepers actually have trained sturgeon, fish that normally stay on

*continued on next page*



the bottom and don't get food that is distributed at the top of their tank, to swim to the top and eat when a plastic pipe is put into the water. Aviary keepers are training some of the birds, such as the eclectus parrots, to enter a crate willingly rather than have a keeper chase them all over the exhibit when they need to be moved for medical care, etc.

"That's the underlying purpose of all of this training," says Beehler, "so that we can perform the necessary animal management without stressing out the animals. With medical procedures, if you can do them without anesthesia, you reduce the risks. It also makes the samples we get more valuable. Because when an animal is stressed, it changes their blood chemistry and other physiological characteristics." For long-term animal studies, training has made it possible to collect baseline data on what is normal for an exotic animal - adding valuable information to an international computer bank of medical data on zoo animals.

In Zoo areas when animals must move from outdoor yards to indoor enclosures at night, teaching them to make the shift easily is important. "It's so we don't have a rodeo every night. If you had to go chasing

an animal around, there's some danger, both for animal and keeper," Beehler says.

"One of the restraints of all this is that it's tremendously time-consuming," he adds. "Although the end results will save time, you have to prioritize. The koala Quilpie, for instance, has dental problems and needs constant dental care. She gets impactions of food in her cheek pouches." So she gets priority over, say, tree kangaroos, in receiving training - with help from Ballmann - that will teach her to accept dental care.


In 1998 Ballmann and her staff put in about 300 hours of consulting. "We meet weekly with keepers, discuss animal behavior, changes in behavior, training goals," explains Ballmann. "We watch the keepers work with the animals. We discuss the positives of the session, what might be improved. And we train new zookeepers in operant conditioning." This is in addition to the multiple marine mammal programs that her staff runs daily.

Training animals is so fascinating to the public that two years ago Ballmann came up with an idea that would allow the public to get intimately involved in actual training. In 1997 she started the first interactive program in the United States that

allowed children and adults to help professional animal trainers feed and train pinnipeds (a group that includes seals and sea lions). Those aged 13 and above even can get in the water with the animals (see box). The programs - called Sea Lion Splash for children and Aquatic Adventures for the older group - drew 920 participants in 1998 and have garnered national attention.

"Sea World has watched us very carefully," says Ballmann, "and they're going to open an interactive park in Florida and one in Ohio."

Ballmann seems pleased with being imitated. That's because she sees these interactive programs as valuable teaching tools. "They have been a fantastic way to educate people about the environment and all animals. We also hope that kids will learn how to train pets at home," she says. And, for that matter, parents can learn a lot about raising kids from the positive rewards of operant conditioning, as Ballmann has found with her two young boys. It's the idea of catching them doing something right, and rewarding it.

So, when it comes to animal training, animals not only are great learners, but they're also great teachers. 

## Miller's Oceans of Fun Seal/Sea Lion Shows

It's only \$1 to attend a fun and factual show at the Milwaukee County Zoo featuring marine mammals. Shows are offered weekdays at 10:30 a.m., noon, 1:30 p.m. and 3:30 p.m. On weekends there are five shows: 10 a.m., 11:30 a.m., 1 p.m., 2:30 p.m. and 4 p.m. Shows are in the Oceans of Fun stadium next to Monkey Island.



## Animal Adventures

Meet seals and sea lions up close in two interactive programs offered by Oceans of Fun, Inc. at the Zoo. For children ages 6 through 12, there's Sea Lion Splash, a 75-minute program that lets you be a junior trainer. For ages 13 and up, there's Aquatic Adventures, a 90-minute program that lets you get in the water with the animals at the Oceans of Fun wet dock. In both programs you help train and feed the animals.



Photo courtesy of Shelly Ballmann

Zoological Society members: For the \$95 Aquatic Adventures program, you pay only \$85. For the \$40 Sea Lion Splash, you pay only \$35. Call (414) 453-5527, ext. 1, for details.

## 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.

### Covenant Healthcare

Catouse

### Drypers Corp.

Stroller Rentals

### General Mills

Yoplait's Family Free Days at the Zoo

### Golden Guernsey Dairy

Heritage Farm Weekend  
Samson Stomp & Romp  
Pancake Breakfast Support

### Krause Family Foundation

Spider Monkey Exhibit Upgrade

### Margot Marsh Biodiversity Foundation

Salonga Survey

### Milton and Lillian Peck Foundation

Animal Ambassador Program  
Education Building Expansion

### The R.D. and Linda Peters Foundation

Birds Without Borders - Aves Sin Fronteras (education)

### Wisconsin Environmental Education Board

Birds Without Borders - Aves Sin Fronteras (education)

### \$5,000-\$9,999

American Express Financial Advisers  
Animal Ambassador Program

### Anonymous

Student Intern Program

### Antonia Foundation

Birds Without Borders - Aves Sin Fronteras (education)

### Applied Power Foundation

Student Intern Program (education)

### Best Buy Co., Inc./Best Buy Children's Foundation

Urban Environmental Education Initiative

### Frank G. & Frieda K. Brotz Foundation

Student Intern Program - Conservation

### Canadian Pacific Railway

Animal Ambassador Program

### Chapman Foundation

John C. & Harriett Cleaver Fund  
Frontiers (education)

### Robert K. & Joyce R. Cope Foundation

Annual Animal Art Competition  
Belize Outreach Program

### Environmental Protection Agency

Birds Without Borders - Aves Sin Fronteras

### Excelsior Lodge #175 F. and A.M.

Animal Ambassador Program

### The Falk Corporation

Beautiful Butterfly Garden;  
Friends Milwaukee Foundation;  
School Programs

### Grootemaat Foundation

Birds Without Borders - Aves Sin Fronteras (conservation)

### Richard and Ethel Herzfeld Foundation

Educational Workshops

### The Charles and Dorothy Watkins Imbusch Foundation

Milking Parlor Renovation/Dairy Complex

### Jays

Kids Nights

### Kaytee Products Inc.

Zoo Support Program

### Land O'Lakes Foundation

Milking Parlor Exhibit

### McCormick

Egg Day

### Milwaukee's Pickles

Snooze at the Zoo

### NFL Alumni Association

Kids Days Off

### Norcross Wildlife Foundation

Birds Without Borders - Aves Sin Fronteras (education)

### Reynolds Wrap Aluminum Foil

Conservation Weekend

### Strong Capital Management

Nights in June

### Welch's

Twilight Safari

### \$2,500-\$4,999

ANR Pipeline Co.  
Kids in Science Art Exhibit

### Bearrice Cheese, Inc.

Animal Ambassador Program

### Briggs and Stratton Corporation

Foundation  
School Programs

### The Chioet Company

Father's Day at the Zoo

### Milwaukee Foundation

John C. & Harriett Cleaver Fund  
Animal Ambassador Program

### Cooper Power Systems-Power Systems Division

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 Jerome & Dorothy Holz Family Foundation

Animal Ambassador Program

### The Home Depot

Animal Ambassador Program

### International Paper

Foundation/Thimpany Division  
Environmental Excel Program

### Charles D. Jacobus Family Foundation

Animal Ambassador Program

### Alan Margolis, M.D.

Bonobo Conservation

### Marquette Medical Systems Foundation

Animal Ambassador Program

### Marshall Field's

Animal Ambassador Program

### Maysteel Foundation Ltd.

Wisconsin Student Grant Program

### PPG Industries Foundation

Animal Ambassador Program

### Racine Danish Kringles

Breakfast/Lunch With Santa

### Time Warner Cable

Animal Ambassador Program

### Rene Von Schleinitz Foundation

Wisconsin Student Grant Program

### IN-KIND SPONSORSHIPS

#### \$50,000-\$99,999

American Airlines  
Zoo Ball

#### \$20,000-\$49,999

Roundy's Pick'n Save  
Conservation Weekend  
Egg Day  
Family Free Days at the Zoo  
Father's Day at the Zoo  
Kids Night  
Bike on the Wild Side Family Bike Ride  
Snooze at the Zoo  
Twilight Safari

#### \$10,000-\$19,999

Direct Marketing Concepts  
Zoological Society Membership Support

#### \$5,000-\$9,999

Tri City National Bank  
Senior Celebration Support  
Zoo 'n You Coupon Book

#### \$2,500-\$4,999

Light 97 WLTQ  
Ride on the Wild Side Family Bike Ride

#### \$5,000-9,999

Aurora Health Care  
Senior Celebration

#### \$2,500-\$4,999

ACME Corp.  
Dairy Complex Support

#### CNI Newspapers

Ride on the Wild Side Family Bike Ride

#### Mayfair Mall

Annual Animal Art Competition  
Zoological Society Holiday Gift Promotion

#### Sponsors and donors committing dollars

and in-kind gifts for events and programs

after February 28, 1999, will be recognized

in the next issue of ALIVE.

Since 1994, the NFL Alumni Association's Milwaukee Chapter has sponsored the Zoological Society's Kids Days Off program, which invites children of all ages and backgrounds to the Zoo for safe, fun learning during kids' days off from school for teacher in-service days and holidays.



# PLATYPUS SOCIETY

## PLATINUM PLUS II \$15,000+

- \* American Airlines
- \* Aurora Consolidated Laboratories
- \* Direct Marketing Concepts
- \* Ernst & Young
- \* Marquette Medical Systems Foundation
- \* Northwestern Mutual Life Foundation
- \* Victor Schittone

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

- \* Water Street Garage

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

- \* Amann Galleries
- \* Beck Carton Corp.
- \* Bucyrus-Erie Foundation
- \* Curtis Universal Ambulance
- \* Fox Co., Inc. Lithographers
- \* Harnischfeger Industries
- \* Evan & Marion Helfaer Foundation
- \* Laureate Group
- \* Miller Brewing Co.
- \* The Russ Darrow Group
- \* Sells Printing Co. LLC
- \* Sensor Devices
- \* Taylor Electric
- \* WOKY/WMIL

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

- \* Milwaukee Foundation
- \* Halbert & Alice Kadish Fund
- \* Jill & Jack Pelisek

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

- \* R. Robert & Madeline J. Howard
- \* Jacquelyn Larsou
- \* Mr. James Steinman

## SILVER CORPORATE III \$3,000-\$3,499

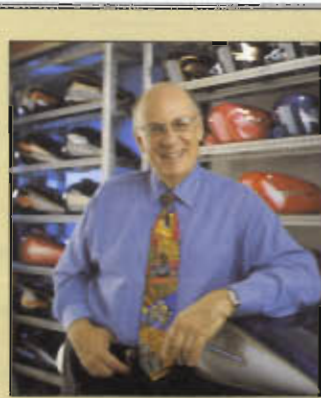
- \* C.G. Schmidt, Inc.
- \* Direct Marketing Concepts
- \* Mandel Co.
- \* Ronny's Inc.
- \* The Ziegler Foundation, Inc.

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

- \* Bernard & Miriam Peck
- \* Lynn & Jerry Hauze

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

- \* A.O. Smith Foundation, Inc.
- \* Beatrice Cheese, Inc.
- \* Robert J. & Joyce R. Cope Foundation
- \* Harley-Davidson, Inc.
- \* Harry W. Schwartz Bookshops
- \* Hoffer Tropic Life Pets
- \* IRIS, Inc.
- \* Jagemann Plating Co.
- \* Johnson Controls Foundation
- \* Kalmbach Publishing
- \* Paper Machinery Corp.
- \* Peter Schwabe, Inc.
- \* Stackner Family Foundation
- \* Taylor Family Foundation
- \* Tri City Bankshares Corp.
- \* Video Wisconsin
- \* Wisconsin Energy Corp. Fdn.



**Jeffrey Bleustein**  
President & CEO, Harley-Davidson, Inc.

*Harley-Davidson Foundation, and we are glad that the Zoological Society has created such outstanding educational programs where we can all learn while having fun!*

*"It has been our privilege to support several of the Zoological Society's programs targeted toward improving environmental education of the children in our community, including the Living & Learning Science Lab and the Family Animal and Environmental Exploration Center.*

*Harley-Davidson is proud to support the Zoological Society. We have been a corporate member of the Platypus Society since 1990. It is also our privilege to be a corporate sponsor of the Zoo Ball.*

*Education, children and families are a priority of the*

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

- \* Foster Family Foundation
- \* Byron & Suzy Foster
- \* Coleman A. Foster
- \* Rheinhold & Beverly Hugo
- \* Leon & Bonaie Joseph
- \* Tom & Yvonne McEnlow
- \* John & Judy McGourthy
- \* William J. Murgas
- \* Jeffrey & Joan Siegel

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

- \* Acme Corporation\*
- \* Capitol Stampings Corp.
- \* Central Ready-Mixed L.P.
- \* Consolidated Papers Foundation, Inc.
- \* Litho-Craft Co., Inc.
- \* Little Caesars Pizza
- \* Milwaukee Foundation
- \* Luedke-Smith Fund
- \* NCL Graphic Specialists
- \* National Business Furnimre
- \* The Perlick Co., Inc.

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

- \* Dr. & Mrs. Gerald Cullen
- \* Thomas & Marilyn Fifield
- \* Michael Fitzpatrick
- \* Philip & Mariette Orth
- \* Bob & Rose Vohl

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

- \* Ameritech
- \* Ato-Findley, Inc.
- \* East Shore Specialties
- \* Eaton Corp.
- \* A.J. & F.H. Ellinger Foundation, Inc.
- \* The Falk Corporation
- \* Great Lakes Veterinary Clinical Lab
- \* Koss Foundation, Inc.
- \* QLC, Inc.
- \* R&R Insurance Services, Inc.

## \* RISSER Imaging, Inc.

- \* Split Rail Foundation
- \* Stieren McDonalds Restaurants
- \* Zinuner Thomson 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
- \* Eckhart & Ischi Grohmann
- \* Dr. Leander Jennings
- \* Dr. Harry Prosen Family
- \* John & Linda Sapp
- \* Steven & Tammy Wentworth
- \* Bernard C. Ziegler II

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

- \* A to Z Printing Co., Inc.
- \* Ace World Wide Moving & Storage
- \* Alliant Foodservice
- \* American Trade & Convention Publications, Inc.
- \* Apple Family Foundation
- \* Arthur Andersen & Co.
- \* Associated Bank Milwaukee
- \* Aurora Health Care, Inc.
- \* Badger Liquor
- \* Lynde & Harry Bradley Foundation
- \* Burke Properties
- \* C&H Distributors
- \* CERAC, Inc.
- \* Canopies
- \* Chemical Packaging Corp.
- \* Chestnut, Inc.
- \* Church Metal
- \* Computerized Structural Design
- \* Cook & Franke S.C.
- \* Covenant Healthcare System, Inc.
- \* Country Inn Hotel & Conference Center
- \* Crivello Carlson Meutkowski & Steeves S.C.
- \* Deloitte & Touche LLP
- \* Derse Family Foundation, Inc.

- \* Electri-Wire Corp.
- \* Emmer Foods, Inc.
- \* Engman-Taylor Co., Inc.
- \* Erie Manufacturing Co.
- \* Firststar Milwaukee Foundation, Inc.
- \* Fleet Mortgage Group
- \* Fleischman-Hillard
- \* Fringe Benefit Planning, Inc.
- \* Gary F. Miller, Inc.
- \* Gleichmann Sumner Co., Inc.
- \* Gold Creations, Ltd.
- \* Good Electric
- \* Graef, Anhalt, Schloemer & Assoc.
- \* Great Lakes Marketing, Inc.
- \* HM Graphics
- \* Heinemann's\*
- \* Helwig Carbon Products
- \* Holz Motors, Inc.
- \* Hunt Memorial Trust
- \* Hyatt Regency/Regency Caterers
- \* Industrial Electric & Wire Company
- \* J&H Marsh & McLennan/William M. Mercer
- \* John T. Jacobus Family Foundation
- \* Johnson Bank
- \* Kahler Slater Architects
- \* Klement Sausage
- \* Komisar, Brady & Co., LLP
- \* Krause Family Foundation
- \* Laacke & Joys Co.\*
- \* Larry's Brown Deer Market
- \* M&I Marshall & Ilsley Bank
- \* Marcus Theatres Corporation
- \* Maysteel Foundation
- \* Megal Development Corp.
- \* Midway Hotels
- \* Milwaukee Direct Marketing
- \* Milwaukee Electric Tool Corp.
- \* Monarch Corp.
- \* Northern Trust Company
- \* O'Byrne Distributions Centers, Inc.
- \* Oak Crest Assisted Living
- \* Omni Tech Corporation
- \* PBES Equipment Corp.
- \* PieperPower Foundation
- \* Piper Jaffray, Inc.
- \* Price-Waterhouse
- \* Rite Hite Foundation
- \* Robert Haack Diamond Importers
- \* Robert W. Baird Co., Fdn.
- \* Robertson-Ryan & Associates
- \* Schmidt & Bartelt Funeral Service
- \* St. Francis Bank, ES.B.
- \* Sta-Rite Industries, Inc., a WICOR Company
- \* State Financial Bank
- \* Stein Garden Centers, Inc.
- \* Strattec Foundation
- \* Suby, Von Haden & Assoc. S.C.
- \* Sun Cleaning Systems, Inc.
- \* Tamarack Petroleum Co., Inc.
- \* Time Warner Cable
- \* Uihlein Electric Co., Inc.
- \* Unique Exteriors\*
- \* Universal Foods Foundation
- \* Vilter Foundation, Inc.
- \* Wauwatosa Savings Bank
- \* West Bend Mutual Insurance Co.
- \* Western Lime Corporation
- \* Whyte Hirschboeck & Dndek, S.C.
- \* Wild Promotions
- \* Wisconsin Industrial Machine

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

- \* Mr. & Mrs. William I. Abraham, Jr.
- \* Mark Abramoff
- \* Howard E. & Barbara A. Alcorn
- \* Pat & Jay Baker
- \* Mr. & Mrs. Kurt Bechthold
- \* Mrs. Carole F. Bruner
- \* William & Priscilla Chester
- \* Ross H. & Elizabeth Dean
- \* Stephen & Wendy Dearholt
- \* Mr. Dale Engstrom
- \* Mr. & Mrs. Thomas Goris, Sr.
- \* Linda L. Grunau
- \* Warren & Denise Haeberle
- \* Russell & Irene Heumann
- \* Ethel Hockerman
- \* Alan J. & Karen P. Katz
- \* Robert & Sandra Koch
- \* Mike & Billie Kubly
- \* Doug & Linda Kuehn
- \* Eugene F. & Gwen Lavin
- \* Dominic Lychwick
- \* Mr. & Mrs. John MacDonough
- \* Herb & Nada Mahler
- \* Jim & Janet McKenna
- \* Mr. & Mrs. David Meissner
- \* Bill & Sandi Moomey\*
- \* Jeffrey & Hidee Nenenschwander
- \* Albert O. Nicholas
- \* Jodi Peck & Les Weil
- \* Randall & Liza Perry
- \* Jane B. Pettit
- \* Joan Pick
- \* Richard J. Podell
- \* Harry V. & Betty Quadracci
- \* Verne & Marion Read
- \* Jack & Barbara Rechi
- \* A.D. Robertson
- \* Barry & Judy Sattell
- \* Charlotte & Bill Seheld
- \* Allan H. & Suzanne Selig
- \* Dr. William & Judy Stathas
- \* Stearns Foundation, Inc.
- \* Mr. & Mrs. John Steiner
- \* Eleanor & Ed Stevens
- \* Mrs. Robert A. Uihlein, Jr.
- \* Mr. and Mrs. William D. Van Dyke
- \* Barbara Van Engel
- \* Lowell Warshawsky
- \* Sarita & Roy Warshawsky

## PATRON \$500-\$999

- \* Gertrude L. Abitz
- \* Active Investor Management, Inc.
- \* Architects III
- \* Daniel & Linda Bader
- \* Bay Group Staffing Ltd.
- \* Peggy & John Beckwith
- \* The Begun Family
- \* Dr. Gil & Lillian Boese
- \* Building Services, Inc.
- \* Paul & Parry Cadorn
- \* William & Gerylann Caunon
- \* James & Kaye Lynne Carpenter
- \* Chubb Group of Insurance Companies
- \* Steve & Lynn Clavette
- \* Ron & Peggy Creten
- \* The Gretchen & Andrew Dawes Endowment, Inc.
- \* Mr. & Mrs. R. Thomas Dempsey, Jr.
- \* Arthur J. Donald Family Foundation
- \* Donald & Nora Dreske

- \* Dick & Mary Duvencek
- \* Gerald M. & Donna Elliott
- \* Kay Elsen
- \* Bob & Helen Erfmeyer
- \* Excelsior Lodge #175 F. & A.M.
- \* Virginia Fifield
- \* Mrs. Erna Flagg
- \* Anne & John Fleckenstein
- \* Donald & Mary Jane Gallo
- \* Mark B. Garber
- \* Bernard J. Gerbutovich
- \* Mrs. Benjamin Gjenvick
- \* Dr. & Mrs. Gerald Gleisner
- \* Robert Goldberger, M.D.
- \* C.L. Gosewehr
- \* Marty & Bev Greenberg
- \* Janet & Don Greenbaum
- \* Grunau Co., Inc.
- \* Eli & Michael Guzniczak
- \* Paul & Gloria Halverson
- \* Dennis D. & Patricia L. Harton
- \* Cecil & Tricia Hawley
- \* John & Anne Hazelwood
- \* Ann Heil
- \* Herbert H. Kohl Charities, Inc.
- \* Mr. & Mrs. William A. Hersch
- \* Thomas N. Holton
- \* James & Shirley Howard
- \* Larry L. Huffman
- \* IBM Corporation
- \* Illingworth Corporation
- \* Kay Johnson
- \* Judy Jungen
- \* Drew & Trish Kagerbauer
- \* Jamie Kaufmann
- \* Jonathan & Marilyn Kay
- \* Ted Kellner
- \* Kevin & Patricia King
- \* Benedict & Lee Kordus
- \* Jill Kusba, D.V.M.
- \* Sybil G. LaBudde
- \* Lancaster Family
- \* Donald & Mary Jo Layden
- \* Gordon & Jean Lee
- \* Donald M. Levy, M.D.
- \* LiplaTech, Inc.
- \* Mr. & Mrs. Brian Luetzow & Family
- \* Carl Lutzke
- \* M&I Northern Bank
- \* Quinn & Jane Martin
- \* Lisa Mauer & Ed Probst
- \* Virginia & Jim McCormick\*
- \* Mr. & Mrs. D.F. McKeithan, Jr.
- \* Kevin & Laura McKenna
- \* Mr. & Mrs. Charles McNeer
- \* David & Bettie Meltzer
- \* O.J. Merrell & Christine Renstrou
- \* Ron & Bnbbi Michalski
- \* Miss Irnagarde Mielke
- \* Bruce & Peg Modrow
- \* Mr. & Mrs. H. Cael Mnellor
- \* Nevins Family Foundation
- \* Larry Newman
- \* Mia Nolan & Jim Stuckert
- \* Jerry & Judy O'Callaghan
- \* John Oster Family Foundation
- \* Mr. & Mrs. James Pandl
- \* Donald & Kim Parker, Jr.
- \* Peer Beariug & Chain
- \* Walter & Arlene Pelz
- \* Gina Alberts Peter
- \* Isabelle Polacheck
- \* R&B Wagner, Inc.

- \* Mr. & Mrs. Peter Rokich in memory of Helen Amidzich
- \* The Rowe Family Foundation
- \* Al Rudnizki Family
- \* 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
- \* Martin & Barbara Stein
- \* Mrs. Leon Stein
- \* Mr. & Mrs. Richard A. Steinman
- \* Russell R. Stepke
- \* Lorraine Straszewski
- \* Anne & Fred Stratton
- \* Sussex Tool & Supply, Inc.
- \* Peter J. Tellier
- \* Travel Plus
- \* William & Diana Troyk
- \* Anne Tynion
- \* David & Julia Uihlein
- \* Mr. & Mrs. James I. Uihlein
- \* United Heartland, Inc.
- \* Usinger Foundation
- \* V. Richards
- \* Judy Van Till
- \* Timothy & Jennifer Vellinga
- \* Villar Arts, Inc.
- \* Dennis & Deborah Walters
- \* Robert & Joyce Weiss
- \* Dick Wenninger
- \* Chuck & Trish Wikeuhauser
- \* Terry & Carol Wilkins
- \* James & Betsy Williamson
- \* Raud J. Wolf
- \* W.H. Jacklin
- \* Woller-Auger Company
- \* Paul Wong Family
- \* Chuck & Sandy Yanke
- \* Craig Young & Sharon Busey
- \* Dave & Dorothy Zellmer
- \* Donald & Rosemary Zellmer

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 February 26, 1999, will be recognized in the next issue of *Alive*.



## NEW MEMBERS

The Zoological Society welcomes the following new Platypus Society members as of February 26, 1999:

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

- \* Fleischman-Hillard

## NEW GIFT LEVELS

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

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

- \* Split Rail Foundation

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

- \* William & Priscilla Chester

## STEERING COMMITTEE

- \* Richard L. Schmidt, Chairman
- \* William Abraham, Jr.
- \* Robert M. Anger
- \* Jane Bekos
- \* Dr. Gil Boese
- \* Linda L. Grunau
- \* Paul Hinkfuss
- \* Ray Jamieson
- \* Dr. Leander R. Jennings
- \* Bill Borchert Larson
- \* Frank Maurer
- \* John McGourthy
- \* Daniel E. McKeithan, Jr.
- \* Joel Nettesheim
- \* Jeffrey Neuenschwander
- \* Jeff Nowak
- \* Bernard J. Peck
- \* John Sapp
- \* Andrew T. Sawyer, Jr.
- \* Jeffrey Siegel
- \* Judy Stathas
- \* John Steiner

The Platypus Society is a group of about 385 Milwaukee-area foundations, corporations and individuals that contribute more than \$444,000 annually to the Zoological Society. If you would like to join this group in helping the Society uphold its mission of supporting the Zoo, educating the community about wildlife and the environment and conserving endangered species, call Joan Rudnizki at (414) 276-0843.





## WHAT'S GNU

### Adelie Penguins

On exhibit now  
**Herb & Nada Mahler Family Aviary**

Think of a penguin and the image that comes to mind is probably that of an Adelie penguin. The black-and-white birds are the most "penguiny of penguins," says Craig Pelke, who calls himself the "Penguin Guy" in the aviary at the Milwaukee County Zoo. Extremely agile swimmers and active year-round, the Zoo's four Adelie penguins – Dooby, Hee Haw, Maytag and Kenmore – have been delighting visitors with their antics since their 1997 transfer here from the St. Louis Zoo (which razed the penguins' old home to make way for a new elephant exhibit). Evolution has granted these natives of Antarctica a slick way of escaping such predators as leopard seals. They "rocket" themselves from the water and then land, feet first, on safe ground, Pelke says. "At first, they'd bounce off my chest, and I'm 6-foot-1," he says. "Now, they land very smoothly."

### Kudu

Born: November 14, 1998  
**African Waterhole Exhibit**

Right now, Peter is a be-close-to-mom baby of a boy. That is, if "baby" can be said of greater kudus, which grow to about 700 pounds. That stay-at-home nature seems to suit his mother, Megan, who herself was born here in the summer of 1996, reports Bob Hoffmann, area supervisor for the Milwaukee County Zoo's Winter Quarters. Peter, who is named after the brother of a zookeeper, joins a long line of greater kudus bred here. Peter is the 76th born at the Zoo since 1966, says Hoffmann. Light tan with white pin striping, the kudu is a handsome animal that is found in hilly, woodland habitats of east, central and southern Africa. By spring, Peter will be ready to explore the world a bit farther from his mother. "He's very inquisitive," Hoffmann says. "Just a very nice animal."



### Bonobo

Born: January 10, 1999  
**Stearns Family Apes of Africa Pavilion**

When a 3-pound female bonobo, a highly endangered species, was born at the Milwaukee County Zoo, it was international news. There are only 120 bonobos in captivity in the world, and probably fewer than 5,000 in the wild – maybe a lot fewer since the only place they are found, in the Congo River Basin, has seen great political turmoil in recent years. Last December zookeepers from Belgium and the Netherlands came to our Zoo to observe our respected bonobo training program, which has taught Laura, 31, the bonobo baby's mom, to undergo 45-minute ultrasound exams. Those exams helped Barbara Bell, the main bonobo trainer, get a pretty good idea that the baby was female. This birth, Laura's seventh, brings our Zoo's bonobo population to 10. Dad is either Lody or Lomako. The baby (shown in photo with Laura) is named Zanga Mokila, meaning "lacks a tail." "Laura's a wonderful mother," says Bell, "but she looks a little tired. She has her hands full because she's got Makanza (a 4-year-old she adopted when his mother died), and her 9-year-old, Murph, still hangs out with mom." Laura is protective of the baby, keeping it so close to her chest that zoogoers often can't see it, but "she allows me to touch it during training," says Bell.



### Puerto Rican Crested Toad

Arrived: November 1998  
**Aquatic & Reptile Center**

The Milwaukee County Zoo has taken a key role in worldwide efforts to save a vanishing toad. The Puerto Rican crested toad, a gold-and-brown animal with a pointed snout, has fallen victim to competition from alien species and destruction of its habitat. Just two small populations, one of which may no longer exist, remain on the Caribbean island where this toad makes its home. Milwaukee's two female toads, which were born in 1996 and

came here from the Metro Toronto Zoo, may participate in a breeding program in the future, says Craig Berg, Zoo aquarium and reptile curator. "They're a very unusual toad, very colorful by toad standards. They're well worth seeing."





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

Address Service Requested.

DATED MATERIAL  
DO NOT DELAY DELIVERY  
Mailed April 5, 1999

**MOVING?**  
PLEASE LET US KNOW!

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

# REMEMBER, MEMBERS.



Zoological Society members get  
**FREE** admission to Ameritech's Dinosaurs of  
Jurassic Park & The Lost World  
twice this summer:

*Strong Funds present*  
**Nights In June Picnics**  
June 14, 15, 16, 17

*Jays & Roundy's  
Pick'n Save present*  
**Kids Nights**  
July 13, 15, 16