



Zoological  
Society of  
Florida

Friends of Metrozoo

# Toucan Talk

Volume 15, Number 5  
September/October 1989

## Key Deer

by Scott B. Citino, D.V.M.

# W

hen thinking of successful deer species, one of the first to come to mind is the white-tailed deer, *Odocoileus virginianus*. The white-tailed deer has lived in close association with man for hundreds of years and has been used extensively by man as a food and clothing source and, most recently, as an object of sport hunting. The white-tailed deer is a master of adaptation and, consequently, has managed to thrive despite marked habitat alterations and destruction within its home range. In many instances, man's influence on the environment has actually increased white-tailed deer populations in many areas of the United States. Despite the overall success of the white-tailed deer, three isolated subspecies are in danger of extinction. One of these endangered subspecies, the diminutive Key deer, is found practically right in our own backyard.

The Key deer, *Odocoileus virginianus clavium*, is the smallest race of North American deer. Adults measure 24-30 inches at the shoulder with does generally weighing 45-65 pounds, and bucks 55-75 pounds. Key deer differ from other subspecies of white-tailed deer by having stockier bodies, shorter legs, and wider skulls. Coat color varies from a deep reddish-brown to a grizzled-grey color. Bucks generally have discernable antlers by two years of age and have 8-point racks by their fifth year. Antlers drop off from February to March, and regrowth starts immediately with growth completed in August and velvet rubbed off in September.

The breeding season of the Key deer begins in September, peaks in October, then generally declines through November and December. Gestation averages 204 days with most fawns born during the rainy season in April and May. Twinning in Key deer is rare, while twinning tends to be common in white-tailed deer on the mainland. Fawns average 2.5 to 4 pounds at birth. Male fawns outnumber females, but due to differential mortality, the sex ratio changes until adult females outnumber males 2.38 to 1.

The range of the Key deer is restricted to the lower Florida Keys with Big Pine Key and No Name Key supporting the largest deer populations. Only islands with

now includes 7,549 acres. Under the leadership of the first manager of the refuge, Jack C. Watson, the population of Key deer rose to 350-400 individuals by 1975. In 1967, the Key deer was placed on the endangered species list by the United States Department of the Interior. The Key deer population is now estimated to be between 250 to 300 individuals but is continuing to decline due to habitat loss, road kills, dog attacks, and drowning of fawns in mosquito ditches.

Current strategies for maintaining a viable population of Key deer include acquisition of additional natural habitat; reduction in commercial and residential development on Big Pine and No Name



permanent fresh water sources are used consistently by the deer. Other islands are used only temporarily during rainy seasons with deer swimming back and forth as needed. Natural food sources include red mangrove, thatch palm, grasses, and several other native plants.

In 1947, the total population of Key deer was estimated to be between 25 to 80 individuals with the population still declining due to over hunting. To aid in the rescue of the Key deer, the National Key Deer Refuge was established in 1954 by the U.S. Fish and Wildlife Service and

Keys; controlled burning of island pinelands to improve browse sources; augmentation of freshwater sources; filling in mosquito ditches; close population and habitat monitoring; reduction of roadkills on both County roads and U.S. 1; elimination of free-roaming dogs; reduction of human interaction (i.e. hand feeding); and continued research on all aspects of Key deer biology.

Metrozoo is lending its support to the National Key Deer Refuge by accepting critically injured Key deer for medical treatment and rehabilitation. Over the



# Captivating Curiosities

*Did you know.....*

- The Mata mata turtle hides in muddy water, wigglng fleshy fringes on its jaws to attract fish. The worm-like tongue lures them into its mouth where it snaps them up for a meal.

- Turtles do not have teeth but are endowed with powerful sharp edged jaws.

- The difference between turtles, tortoises and terrapins depends upon where the animal lives. Turtles are adapted better for the water with webbed feet, while tortoises are primarily land dwelling. Terrapins are basically fresh water turtles, valued commercially for their edible flesh.

- The largest turtles are leather back sea turtles who can weigh up to 1,500 pounds with a shell over 6 feet long.

- On July 20th, our aviary had the FIRST captive hatching of a white-billed hornbill. The two chicks emerged from their mud-encased nest hole at 92 days old.

- The Key deer is a subspecies of the white-tailed deer. Its small size is a result of its isolated environment.

- The primary function of antlers and horns is not for protection. Instead they are used to resolve questions of territory, strength, and sexual dominance among their own kind.

- Antlers are not permanent structures. They are shed annually and regrow at an exceptionally rapid rate. Scientists believe that the nerve fibers in the antlers of some deer (moose and caribou) grow faster than those in any other mammal.

- Horns on antelope are permanent structures growing throughout the life of the animal. They are made up of a bony core covered by a hard horny sheath. If an antelope loses a horn, it will never grow back.

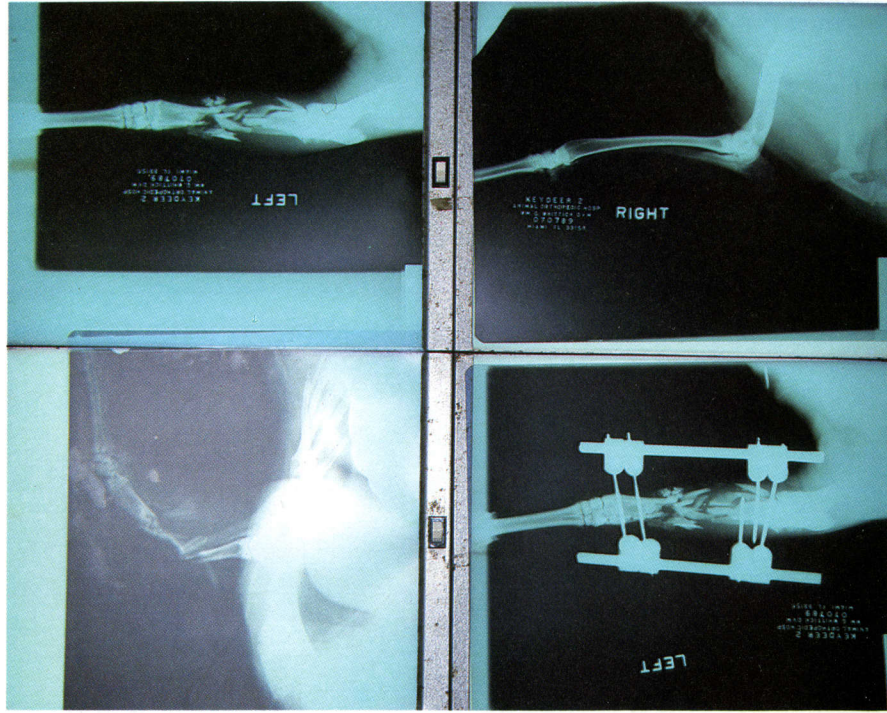
- Rhinoceros horns do not have a bony cover. Instead they consist of a solid mass of keratin fibers, a substance that makes up hair. These tightly packed fibers are legendarily thought to have aphrodisiac qualities which have ultimately led to the precipitous decline of the rhino.

osteogenic stimulator will soon be applied to the fracture site in an attempt to speed up the healing process. Due to the severity of the fracture, it will still be several weeks before an accurate prognosis for full recovery can be made. It is hoped that Metrozoo can continue to play a role in future conservation efforts involving the Key deer.

The next time you are driving down to the Keys, stop by the National Key Deer Refuge on Big Pine Key, walk along the nature trail, enjoy seeing Key deer in their natural setting. Most of all, enjoy the vanishing natural beauty of the Florida Keys which the Key deer has come to symbolize.



*Vet student Frieda Hottenstine checking vital signs of the key deer as he recovers from anesthesia*



*X-ray of the key deer's fractured foreleg immobilized by the Kirshner external fixation device*

past two years, three Key deer have been sent to Metrozoo for treatment. Our latest case is a large, three to four year old buck that was hit by a car and then attacked by free-roaming dogs. The deer sustained a severe, comminuted fracture of the radius and ulna of the left foreleg and numerous, deep lacerations and tears surrounding and involving the anus, caudal thighs, and tail. The fracture was stabilized using an external fixation device called a full-pin Kirshner apparatus with the expert help of Dr. Bill Whittick, a local board certified veterinary surgeon. At the present time, the deer's soft tissue wounds are healing nicely and the fracture is showing evidence of early healing. An electronic





## President's Farewell Message...

*Laurence O. Turner, Jr.*

"Hello" and "goodbye" are not very important words. It's what transpires between the two that is significant. In that context, I feel that this was a very significant year for the Zoological Society of Florida.

**FALL:** Marked the beginning of our development campaign with a goal of \$850,000. This was achieved by a lot of hard work on the part of our Development Committee chaired by Sanford B. Miot and major contributions from corporations, individuals, and foundations. This amount will give us a starting point for the funding of the otter/Asian river experience exhibit which has a budget close to one million dollars. The development goal will show a significant increase in the coming year - a lot of wonderful, innovative plans are in the works for Metrozoo!

**WINTER:** Saw the debut of PAWS, the new children's petting zoo. Three years in the planning and construction, PAWS fills a very important need in our zoological park - it brings the children close to animals they can relate to in a tactile way. The facility also offers an important educational and conservation message in the Texaco Ecology Theater staffed by the Society's volunteers.

**SPRING:** This time of the year is synonymous with one thing - our annual culinary extravaganza, "Feast With the Beasts." This year the black tie event netted \$164,000, earmarked for the otter exhibit. In the two years that we have sponsored Feast, the feedback has been positive and upbeat. It will continue to get bigger and better and we urge you to give yourself a treat by participating in next year's party scheduled for April. Watch your Toucan Talk for details.

**SUMMER:** Construction on the otter/Asian river experience exhibit began. We promise you this exhibit will be unlike any other at Metrozoo. It will feature the latest in design technology and you will find yourself immersed in the habitat represented. In addition to the small clawed Asian otters, monitor lizards and muntjac will be featured and you will feel that you have been transported to a riverbank in Asia. Completion is scheduled for Spring of 1990.

Summer also produced an important document commissioned by Robert Yokel, Director of Metrozoo and funded by the Society - **THE ECONOMIC IMPACT OF THE MIAMI METROZOO**. In the simplest terms, the study proved that direct and indirect economic impact of visitor expenditures and construction enterprises gave value to the local economy of more than thirty-one million dollars.

As we enter a new fiscal year and the "changing of the guard" takes place, I want to take this opportunity to thank a great many people who made my Presidency a rewarding experience. Thanks to my Executive Committee, the Society Officers, and the Society staff whose guidance and expertise were invaluable. Thanks to an active, involved, productive Board of Directors whose enthusiasm generates positive results. Thanks to all the Committee Chairman who gave their time, energy and creative ideas. Thanks to the Board of Trustees who were instrumental in the success of our development campaign. Thanks to Bob Yokel and the staff at Metrozoo for their cooperation and assistance in the Society's endeavors. Thanks to Bill Bird, Director of the Park and Recreation Department and the County Commissioners who recognize the facility as an important community resource and lend unqualified support to the Society. Thanks to all of you, the members of the Zoological Society of Florida, who are in the forefront of our commitment to recreation, education, conservation and research.

It has been a wonderful year. I know you will give the same important support to our new President, Sanford B. Miot.

### *T.E.C.*

What do these three letters mean? To some they stand for a most enjoyable and educational weekend workshop held at Metrozoo. This program is part of a series of workshops that are offered through the Teacher Education Center (T.E.C.). The popular ten hour class entitled "Metrozoo as a Classroom" trains teachers to utilize the zoo as an educational resource and helps them to interpret the zoo to their students. It also entitles teachers to earn credits towards recertification in pre-school and primary education.



## *In Loving Memory*

The Society lost some very good friends this past year ...

**MARGARET CUTLER** died on November 23, 1988. She was a member of the second Docent class at Crandon Park Zoo and her service as a volunteer began in 1974. Even though age was catching up to her and she could no longer drive to the zoo, Margaret reported faithfully for her assigned duties by scheduling rides with her fellow volunteers. Volunteer service was an obligation she took very seriously and she enjoyed sharing her years of knowledge with zoo patrons.

**FRANK EBERHARDT** joined the volunteer force in 1984 and in the brief span of time until his death on May 24, 1989, gave over 1,000 hours of service to the Society. He worked for Kodak until his recent retirement and his expertise was invaluable in our education programs, especially when they involved sight and sound. Frank was a gentleman, always willing to give assistance wherever and whenever it was needed - a "volunteer" in every sense of the word.

**DAVID GAMBLE**, President of the Gabooney Foundation based in Harper Woods, Michigan was an active member of our Board of Trustees and for years sponsored the Kirk's dik-dik paddock. He loved life and was an avid sailor and enthusiastic traveller. His sudden death in July, 1989 was a shock to all who knew and loved him. We extend our sincere sympathy to his family.

Rest in peace dear friends - we will remember you always with affection and gratitude.

A variety of topics are presented including vocational and educational opportunities available at the zoo; the conservational role and purpose of a modern zoological park; and familiarity with the physical layout of Metrozoo (which is gained through guided working tours). In addition, a number of zoo related teaching strategies are introduced that can be used in the classroom.

We encourage all those interested in enrolling in this worthwhile and pleasurable class to be on the lookout for upcoming dates and to register free through T.E.C. at 887-2002.



# We Couldn't Have Done It Without You

**A**nother year has passed and it is once again time to recognize and graciously thank our corporate and individual contributors who made this year so successful. Our development goal for this fiscal year was \$850,000, our most ambitious to date. Because of the dedication of **Sanford B. Miot**, Chairman of the Development Committee, his Committee members, and all of our generous contributors, we will exceed \$900,000. Many thanks to the following corporations who made this possible:

American Bankers Insurance Group  
Arvida  
Chase Federal Bank  
City National Bank of Miami

Coral Reef Hospital  
Dade County Park and Recreation  
Department  
The Falls Shopping Center  
Edward J. Gerrits, Inc.  
Grant Center Hospital  
J.C. Penney  
Kodak Corporation  
Kunde Sprecher, Yaskin & Assoc.  
Miami Jai Alai  
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Racel-Milgo  
Rainbow Automotive  
Ryder System, Inc.  
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Shutts & Bowen  
Southern Bell  
Sportservice  
Stearns, Weaver, Miller, Weissler,  
Alhadeff & Sitterson  
Sun Bank/Miami N.A.  
T.L.S. Enterprises  
Tew Jordan Schulte & Beasley  
Trace America  
Vernon Construction  
Windmere Corporation

We also thank the following individuals and foundations who so generously contributed to our 1989 development campaign:

Jeffrey Berkowitz  
Beatrice Goodman  
Jerrold and Jane Goodman  
Ed and Molle Grad  
William Lane  
DeWayne Little  
Sanford B. Miot  
Mitch Mitchell  
R.W. Payne  
Ed Soto  
Austin Weeks  
Dr. Herbert & Nicole Wertheim  
Foundation  
South Florida Veterinary Foundation  
Sara Woodruff Foundation

Last, but certainly not least, thanks to all of our members who so unselfishly contributed to the most successful development campaign ever!!!

## Education Outlook For September/October 1989

### BACK TO SCHOOL

Fall is "back to school" time and begins a new year of creative educational programming at the zoo. We will be introducing exciting new programs throughout the fall, and updating old favorites to keep you coming back for more. The Education Department offers classes for everyone, so register soon, and come back to school at Metrozoo.

### Programs for Children

#### Zoo After School

Grades: 1-4

Fall brings more animal adventures with exciting new programs for kids after school.

**Sept.:** Camouflage -  
The Art of Disguise  
**October:** Nocturnal Animals - Creatures  
of the Night  
**Dates:** September 6 and 20  
October 11 and 25  
**Hours:** 3:30 - 5:00 p.m.  
**Fee:** \$12.00 Members  
\$17.00 Non-Members

### Scouting Zoo-Inn

This is a special overnight program designed for Scout troops and their leaders. Participants will "camp out" in the zoo's classroom and spend an exciting animal evening enjoying the sights and sounds of Metrozoo while earning an A.I.R. (Awareness, Interest, Respect) patch.

**Dates:** September 15  
October 20  
**Hours:** 6:30 p.m., Friday -  
8:30 a.m., Saturday  
**Fee:** \$25.00

The A.I.R. Scouting Program for younger scouts held on Saturday mornings, will begin again in September. Scout leaders should call the Education Department at 255-5551 to schedule both patch programs.

### Programs for Teens

#### Toucan Team

Grades: 9-12

Students study biology, animal behavior, and management of exotic animals. "Behind the Scenes" experiences with zookeepers and zoo animals highlight the program. After completing this course, participants are eligible to join the "Service Team", our teenage volunteer

group who help out in various areas of the zoo.

**Dates:** 4 Saturdays, September 23 -  
October 14  
**Hours:** 1:00 - 4:00 p.m.  
**Fee:** \$80.00 Members  
\$90.00 Non-Members

### Programs for Families

#### Family ZooVenture NEW

This brand-new program provides entertaining and educational activities for parents and pre-schoolers (age 3-5) to explore the zoo together. Discover the animal kingdom through a variety of arts and crafts projects, slide presentations, stories, and hands-on interaction with some of our smaller exotic animals. Group as well as individual work will be emphasized through a number of both indoor and outdoor activities. Follow-up sheets will be provided for parents to continue "wildlife exploration" both at the zoo and at home. New topics will be offered each month. This program will prove to be truly a "ZooVenture"!!!

**Sept.:** Camouflage - How animals hide  
**October:** Nocturnal Animals - Bedtime  
Bears, Bats & Birds, etc.  
**Dates:** September 2 and 23  
October 8 and 22  
**Hours:** 9:00 a.m. - 12:00 p.m.  
**Fee:** \$12.00 Adult Members  
\$3.00 Child (MUST be 3-5 yrs.)  
\$15.00 Adult Non-Members  
\$6.00 Child (MUST be 3-5 yrs.)



## Breakfast With the Beasts

Early morning - what a wonderful time to explore the zoo. Enjoy Metrozoo's beauty and quality 'family time' while having your continental breakfast. Then explore the various animal encounters we have planned for you.

**Sept:** Avian Advantages  
**October:** Asian Safari  
**Dates:** September 17  
 October 15  
**Hours:** 9:00 a.m.-11:00 a.m.  
**Fee:** \$15.00 Members  
 \$20.00 Non-Members

## Family Overnight

Families will have the opportunity to spend the night at the zoo for an exciting animal evening. The evening begins with a pizza party and then a night hike through the zoo featuring behind-the-scene tours. Bring your sleeping bags and comfortable clothes, we'll supply everything else.

**Dates:** October 7 and 28  
**Hours:** 6:30 p.m. Saturday - 8:30 a.m. Sunday  
**Fee:** \$25.00 Members (children 5 and over, please)  
 \$35.00 Non-Members

## Programs for Adults

### Supper Safari - Sex with the Animals

A wild night out at Metrozoo: Back by popular demand, join zoo personality Ron Magill for his hilarious slide lecture on the animals' mating behavior - laugh and learn!

**Date:** September 16  
**Hours:** 6:30 - 8:30 p.m.  
**Fee:** \$25.00 Members  
 \$35.00 Non-members

### Monkey See, Monkey Do?

Join us for a fascinating lecture given by Metrozoo's own 'Wildlife Show' animal trainers. After supper, learn about animal behavior and how it is used in training all types of animals. Live animal demonstrations will be featured. This will be a great opportunity to learn helpful hints on how to train your own pets at home. Register soon - this program is sure to be a most enlightening experience!

**Date:** September 23  
**Hours:** 6:30 - 8:30 p.m.  
**Fee:** \$25.00 Members  
 \$35.00 Non-members

### What's Up Doc?

Have you ever wondered how Metrozoo treats a tiger, checks a chimp, or helps a hedgehog? Not to mention how to perform surgery on a snake or bloodwork on a bird. Well, here's your chance to

learn all about zoo medicine and what is involved in treating exotic animals. Come meet Metrozoo's veterinarian, Dr. Scott Citino and his staff and learn about a typical day in the life of a zoo vet. Following supper, a fascinating slide presentation narrated and produced by Ron Magill will be featured. Don't miss this one, its prognosis is outstanding!!

**Date:** October 21  
**Hours:** 6:30 p.m. - 8:30 p.m.  
**Fee:** \$25.00 Members  
 \$35.00 Non-Members

## T.E.C. Weekend Teacher Workshop

This popular 10 hour workshop offered through the Teacher Education Center at FIU, trains teachers to utilize the zoo as an educational resource and helps them to interpret the zoo to their students.

**Dates:** October 21 and 28  
 November 4 and 11  
 December 2 and 9  
**Hours:** 9:00 a.m. - 3:00 p.m.  
**Fee:** No fee, register through T.E.C. at 887-2002

## University of Miami Continuing Education Workshop: Conservation through Captivity

This two-part course, offered through UM's Department of Continuing Studies, will introduce students to the modern zoo's role in wildlife conservation. Lectures by members of the curatorial and veterinary staff will be supplemented by visits to holding areas, breeding facilities, and night houses. Emphasis will be placed on breeding programs, reproductive technology, and the precarious future of animals in the wild.

**Dates:** October 7 and 14  
**Hours:** 9:00 a.m. - Noon  
**Fee:** Tuition and registration through UM's School of Continuing Education.

## Register Here

**Mail to: Education Department, Zoological Society of Florida, 12400 S.W. 152nd Street, Miami, Florida 33177 (305) 255-5551**

Participant's Name \_\_\_\_\_  
 Street Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Home Phone \_\_\_\_\_ Bus Phone \_\_\_\_\_  
 Program(s): \_\_\_\_\_ Date: \_\_\_\_\_ Fee \$ \_\_\_\_\_  
 \_\_\_\_\_ Date: \_\_\_\_\_ Fee \$ \_\_\_\_\_  
 Member  Membership # \_\_\_\_\_ Nonmember  Fee \$ \_\_\_\_\_  
 Mastercard  Visa  Amer. Exp. Expiration Date \_\_\_\_\_ TOTAL \_\_\_\_\_  
 Card # \_\_\_\_\_ Signature \_\_\_\_\_

For Children's Programs, please complete the following:

Parent's Name \_\_\_\_\_  
 Student's Age \_\_\_\_\_ Grade in school (as of Sept. '89) \_\_\_\_\_

## Adult Overnight

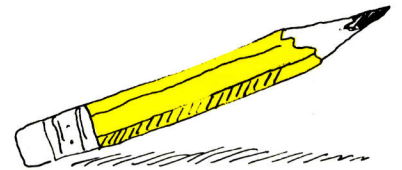
Explore the mysteries of the zoo after dark. We will wine and dine you (casually, by an old fashioned pizza party) and lead you through an unforgettable evening. Bring your sleeping bags, you'll be camping out in our air conditioned classrooms. Sunday morning, you'll learn what some of our residents eat and enjoy a continental breakfast as the sun rises.

**Dates:** September 2, September 30, October 14  
**Hours:** 6:30 p.m. Saturday - 8:30 p.m. Sunday  
**Fee:** \$25.00 Members  
 \$35.00 Non-Members

## Zootography Club for 'Shutter Beasts' NEW

Are you interested in getting that 'perfect picture? What better place to learn about animal photography than at Metrozoo. The Zootography Club is regrouping for the coming year and meets the third Wednesday of each month in classroom #1 at Metrozoo. Now is the time to join. Members enjoy lectures by accomplished amateur and professional photographers, and participate in workshops, competitions, and exclusive early (Sunday) morning "Zoo Shoots".

**Dates:** September 20 - Orientation  
 October 18 and 22 - Reptiles  
 November 15 and 19 - Cape Hunting Dogs and Himalayan Black Bear  
**Hours:** 7:00 p.m. - 9:00 p.m.,  
 Wednesdays  
 8:00 a.m. - 10:00 a.m. - Sundays  
**Annual Fee:** \$20.00 Members  
 \$30.00 Non-Members

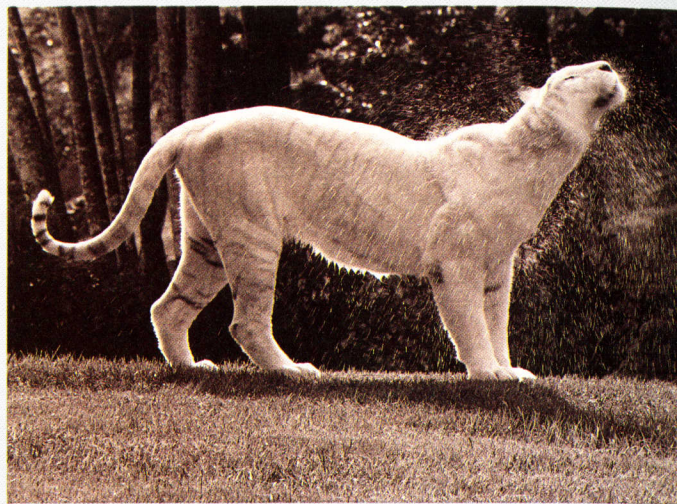




# 4th Annual Photo Contest



Steven Murphy  
Grand Prize



Warren E. Conway  
First place black and white

Judges have selected the winning photographs for the Fourth Annual Photo Contest! At a reception held on August 29th, the following winners were announced:

Steven Murphy  
Grand Prize

2 round trip tickets to Germany provided by  
Lufthansa German Airlines

Steven Murphy  
First place in the color category  
Cotton Bay Club in Eleuthera

Warren E. Conway  
First place in the black and white category  
Coral World Villas in Nassau

The Zoological Society of Florida would like to congratulate the winners and thank the more than 360 entrants in making this a grand success.

In addition to 15 honorable mentions, this year the Photo Contest opened up a new category for 15 outstanding entries.

The Zoological Society of Florida would like to give a special thanks to the panel of professional judges: Hank Walker, former LIFE photographer and managing editor for the SATURDAY EVENING POST, Lyn Pelham, former LIFE photographer and owner of Great Image Photo Labs, Loomis Dean, former LIFE photographer and John Dominis, former photo editor for PEOPLE and SPORTS ILLUSTRATED magazines.

A very special thanks to the following sponsors and cosponsors for their patronage:

SPONSORS: Eastman Kodak, Kenya Photo Mural  
CO-SPONSORS: Lufthansa German Airlines, Chase Federal Bank, Nikon Inc.

and the following donors for their generous contributions:

#### DONORS:

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Caymen Camera and Audio Inc.  
Cheeca Lodge  
Coconut Grove Camera  
Colonial One Hour Photo  
Coral World Villas  
Cotton Bay Club  
The Diplomat  
Don Rhodes Camera and Studio  
Downtown Camera Stores Inc.  
The Falls  
Fleming's Photo  
FotoFast  
Holiday Inn, Key Largo  
Jaybo Photo  
Kiwi Northern Mercantile  
Metro One Hour Photo  
Mileo Photo Supply, Inc.  
Photo Factory  
Photomaker  
Pitman Photo  
Rich Photo

Steven Murphy  
First place color

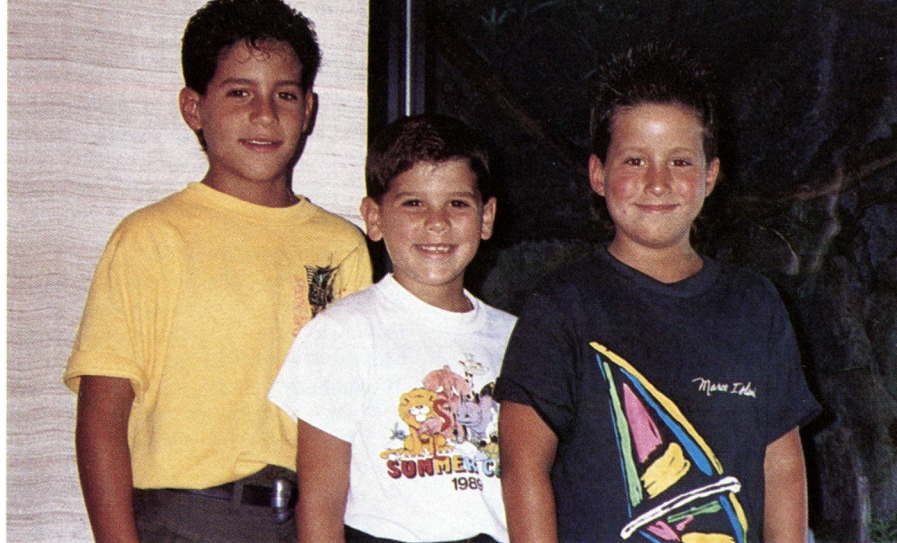


Rivera Photo  
SeaEscape  
Sheraton Royal Biscayne  
Sonesta Sanibel Harbour Resort  
Sunset Photo  
Thomson Photo Labs  
Wolf Camera & Video  
World Wide Foto  
Zima'a Camera Shop

Winning photos will be displayed in the Zoological Society of Florida's administration building lobby through October.

We also extend our gratitude to the Society's volunteers for their assistance and support in making this a successful event.





## Beyond Summer Camp

From left to right, Carlos Herrera, Karl Garcia, and Javier Herrera adopt the golden lion tamarin housed in the Society membership/administration building. Karl attended Jungle Juniors Zoo Camp this past summer and was so impressed with the camp and our Adopt-an-Animal television ads that he and his friends pooled their resources to become proud parents of a Metrozoo resident. Karl and Carlos aspire to be veterinarians someday - they are certainly off to a good start.

## Put a White Tiger In Your Wallet...

Watch your mail for the application to put a white tiger in your wallet. The Zoological Society of Florida is entering an agreement with Sun Bank to provide a special Mastercard to our members. Not only will you have the advantage of having a Mastercard from Sun Bank, you will also be helping the Society every time you use your card. Sun Bank will make a donation of ten cents on every transaction in addition to waiving your first year Mastercard membership fee of \$21.00. In the following years, Sun Bank will contribute \$7.00 of your membership fee to the Society. Sign up now and help the Society reach its goals of education, research, and conservation.



## Toucan Trader's Choice

Be original! Create a zoo motif for your next party. The Toucan Trader has a wild assortment of collectibles, plush, children's flocked figurines, toys, books, and posters. It's easy to decorate a party with a theme chosen from a menagerie of animals. Some of you have a special animal interest to build a theme around for birthdays, anniversaries, housewarmings ... the list is endless. Let us help you with that very special gift or party any time of year.

Moms, have kids lost or used most of those new school supplies? The Toucan Trader has a wonderful assortment of animal design pencils, pens, pencil boxes, memo pads, back packs, lunch totes, and much, much more to choose from. They make nice party favors, too. Our zoo

cookies make excellent snacks for back to school. Buy them by the package or by the case, so you never run out. Another back to school basic is our compact animal poncho. It fits easily in a lunch box or school bag.

Put a kangaroo in your pouch. We have a "Hopping Kangaroo Sale" during September. Save 35% on our exquisite Applause plush kangaroo with joey in two sizes.

In the next Toucan Talk, we will have special holiday gift ideas and baskets to offer. Please come visit us soon. We enjoy serving you and it is always a pleasure to help make your special occasion more special. Remember your 10% discount on any purchase of \$10.00 or more.



# Australian Adventure Join The ZSF "Down Under"



The Australian continent is filled with natural history wonders. Isolated by the sea millions of years ago, it developed its own ecosystems filled with hundreds of species of unique flora and fauna. The Zoological Society invites you to join us in "the land down under" to enjoy its diverse wonders.

Our adventure begins in Cairns, northernmost city in Queensland, where we will explore the rain forest of the Barron Falls National Park via the most scenic rail journey in Australia. You'll have the opportunity to experience the most abundant natural history on the continent in the lush Atherton Tablelands, famous for its deep gorges, waterfalls, and crater lakes formed by ancient volcanoes. At the Great Barrier Reef, you'll be able to swim and snorkel among over 1,500 species of fish. You'll thrill to its many wonders as a marine naturalist discusses its ecology with us as we view it from our glass-bottomed boat.

Next, we'll fly to Brisbane and travel on to Lamington National Park. Known for its magnificent vistas, plummeting waterfalls, and extensive trail systems, this is one of Australia's best regions for endemic birds. It is so rich in wildlife, it is not unusual to count at least 40 species on a walk through the subtropical rain forest.

Sydney is one of the world's great cities. While you're there, you'll cruise historical

Sydney Harbor, tour the Sydney Opera House and the Taronga Zoo, and enjoy the many other sights this beautiful city has to offer.

Your last two days will be spent in Melbourne. While there, you will witness the nightly ritual of the penguin parade on Philip Island. On a side trip to the Healesville Wildlife Sanctuary, you'll have the opportunity to walk among grazing kangaroos, see koalas and most surely the duck-billed platypus.

Our optional ten day extension to New Zealand will take you to Rotorua to visit the famous Glowworm Grotto. At the Whakarewarewa Thermal Reserve, you'll marvel at the geysers, crystal springs of hot mineral water, pools of boiling mud, and richly colored crater. At a model Maori village, you'll glimpse the lives of New Zealand's first settlers and see an array of traditional Maori art and culture.

A scenic flight wings you to Christchurch, the most English city outside of England where, on a side trip, you'll fly by skiplane over the Tasman Glacier. From there you'll travel to Queenstown, a world famous alpine resort before flying home, filled with wonderful memories of your adventure "down under."

Our fifteen day Australian tour departs May 6 and returns May 19, 1990. **FOR TRAVELLERS WHO RESERVE BEFORE DECEMBER 1, 1989**, the cost per person from Miami will be \$3,395 and the ten day optional extension, \$1,595. After December 1, per person cost will be \$3,595 and extension \$1,795. For more information and a complete itinerary, call the Travel Coordinator at 255-5551



## Kangazoo Hop

Pledge now and help thousands of children from over 200 day care centers from Dade, Broward and Monroe counties raise funds for the kangaroo exhibit.

The Kangazoo Hop is being sponsored by Publix and is an undertaking of Paramount Promotions who has helped zoos like the Central Florida Zoological Park raise \$20,000 to go toward the construction of a new animal nursery.

Participating children will be asking friends and relatives to pledge money for every hop they can do "like a kangaroo" in the space of two minutes at local nursery schools. The top three centers that have raised the most money will win an animal outreach right at their school and free trips to the zoo.

"This is a great way to get children involved in the community, learn about animals and have a lot of fun," said executive vice president Joseph Ferrer.

Throughout the month of September, while toddlers are anxiously getting ready to start hopping, teachers and parents will be instructing the children concerning zoological topics ranging from endangered animals to zoo maintenance.

Hopping Day starts September 1st. If your child is not associated with a day care center and would like to take part in the Hop, call the Special Events Department at 255-5551. Happy hopping!

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### Zoological Society of Florida

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Call 255-5551 for details.