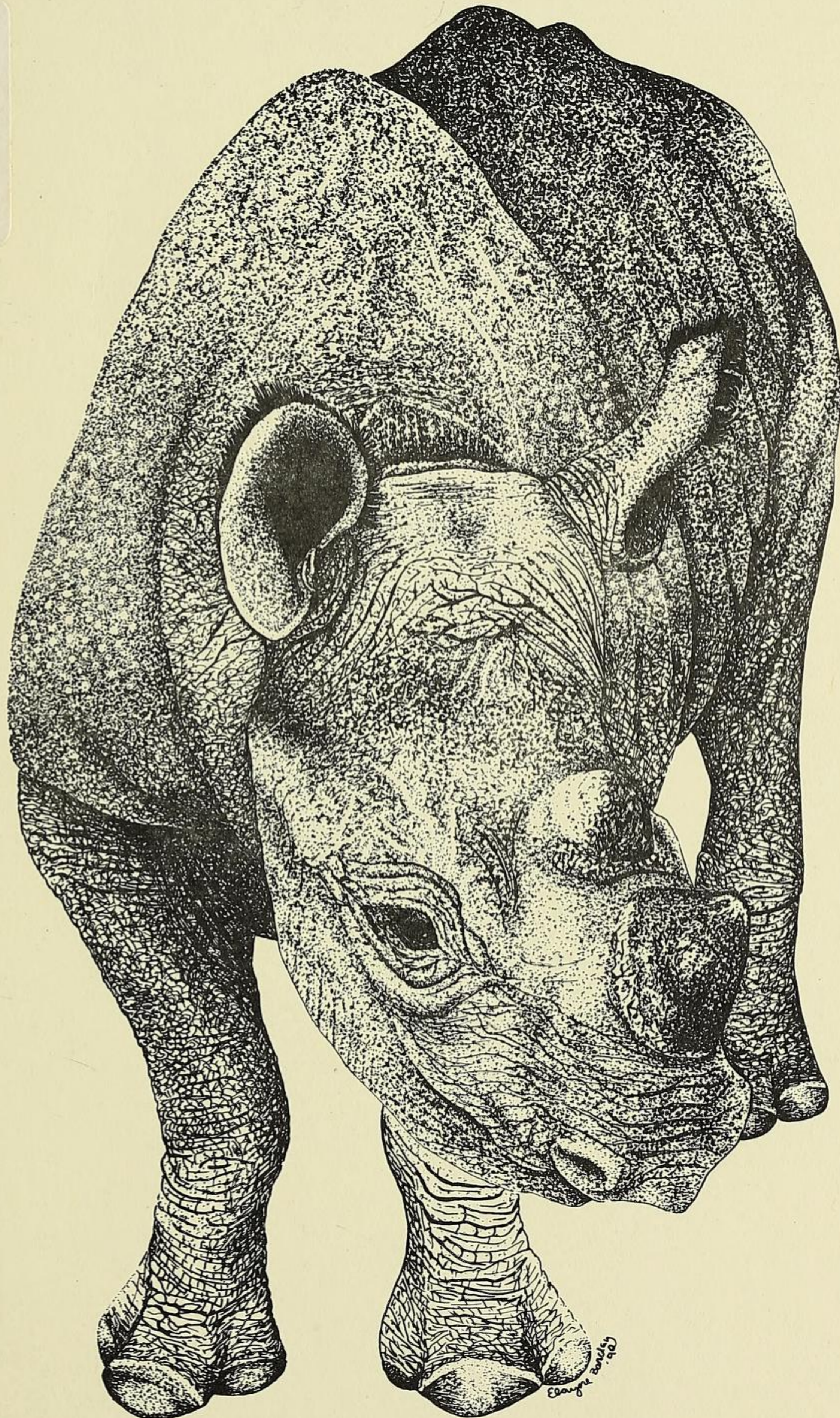


Animal Keepers' Forum

February 1991

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Dedicated to Professional Animal Care

This month's cover features a special Black rhino (Diceros bicornis michaeli) drawn by Elayne Barclay, a keeper at the Washington Park Zoo, Portland, OR. Pete was born 7 May 1987 at the Denver Zoo. He is the first of his species ever in the Pacific Northwest and is the focal animal in the zoo's new African exhibit. To further WPZ's commitment to Black rhino conservation, the SSP committee has paired Pete with a female, Miadi, who came to us from the Brookfield Zoo. The original drawing was used as a prize for the extremely successful "Bowling for Rhinos" event held by the Portland Chapter in 1990. A limited edition of 100 signed and numbered 13 x 11 inch prints were also sold at the event with all proceeds going to the Ngare Sergoi Rhino Sanctuary. Prints are still available for \$10.00, plus \$3.25 for postage. Proceeds will go to the Chapter's "Bowling for Rhinos" Fund. If interested, contact Portland Chapter AAZK, 4001 SW Canyon Rd., Portland, OR 97221. Thanks, Elayne!

Scoops

and

Scuttlebutt

Note to Chapters on Materials for Group Exemption Letter

The following Chapters have not responded or fully responded to repeated requests from AO for the materials required from the Chapter to file our Group Exemption Letter with the Internal Revenue Service.

If the required information is not filed with the Administrative Office by 1 March 1991, the Board of Directors will have no other alternative but to consider these Chapters inactive. Please contact Barbara Manspeaker, Administrative Secretary, if your Chapter needs additional help in filing the information.

Central Park Zoo AAZK Chapter, New York, NY
New York Zoological Park AAZK Chapter, Bronx Zoo, Bronx, NY
Greater Baltimore Chapter AAZK, Baltimore, MD
Appalachian AAZK Chapter, Mill Mountain Zoo, Roanoke, VA
Edmonton Chapter of AAZK, Valley Zoo, Edmonton, Alberta, Canada
Cheyenne Mountain AAZK Chapter, Colorado Springs, CO

Two Members Named to NEC Committee

Cherie Langlois, Northwest Trek, Eatonville, WA, and Kimberly Miller, Cleveland Metroparks Zoo, Cleveland, OH have been named to the AAZK Nominations and Elections Committee. The NEC, chaired by David Luce, Chaffee Zoo, is responsible for soliciting nominees for the positions to be filled on the AAZK Board of Directors. This year three seats will be up for election -- those held by Oliver Claffey, Frank Kohn and Bob Debets, whose terms expire 31 December 1991. The election ballots and biographical sketches of the candidates will be mailed to all Professional members in late April.

New By-Laws Available from AO

Copies of the AAZK By-laws which were revised and voted on at the 16th National AAZK Conference in New Orleans are available from AO in Topeka. Copies of the new By-laws have already been sent to each AAZK Chapter with their rechartering packet. If you need additional copies for your Chapter, or if an individual member wishes to obtain a copy, please contact Barbara Manspeaker at AO.

Births & Hatchings



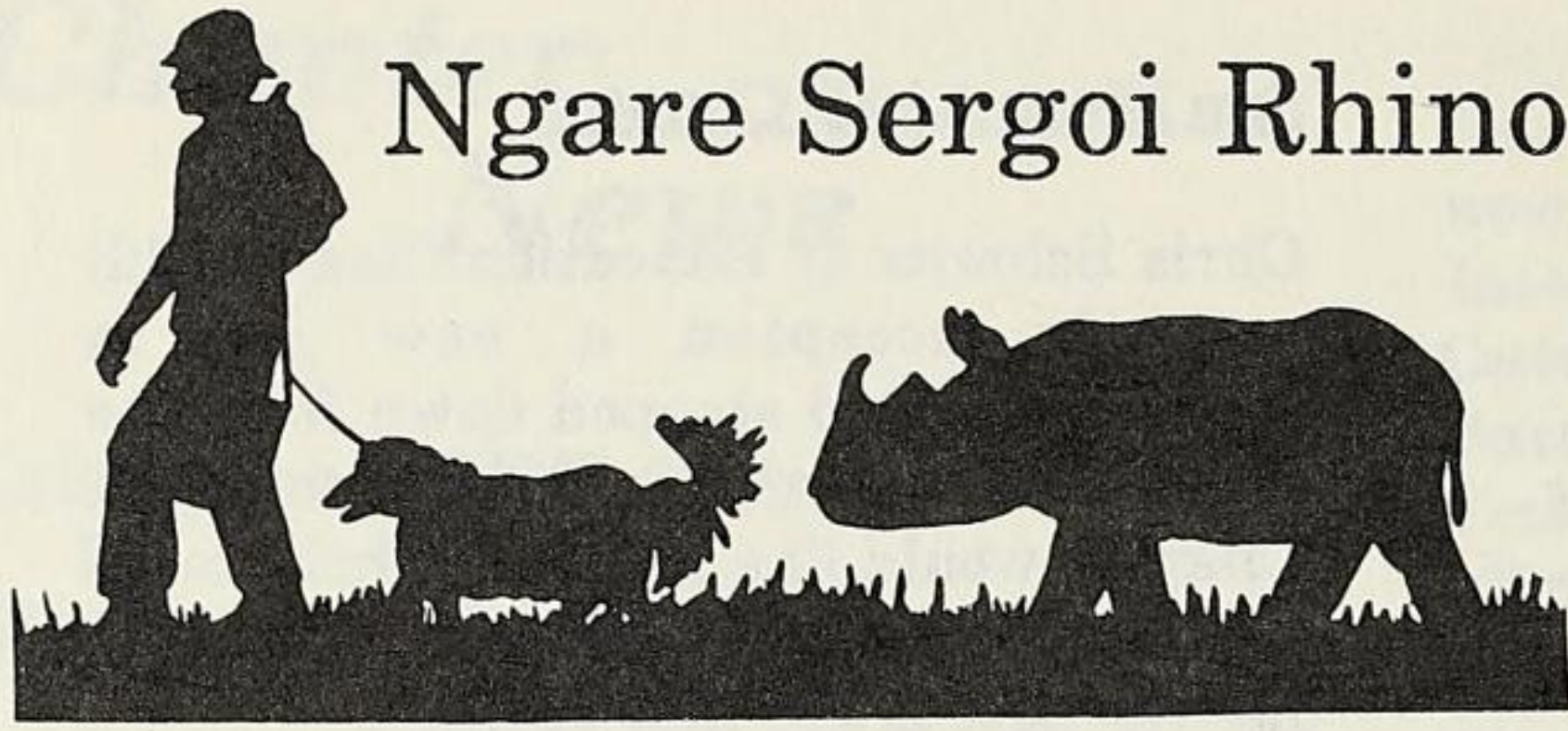
Miami Metro Zoo... is proud to announce the following animal births: on 30 October, 1990, a litter of 2.1 Asian small-clawed otters (*Aonyx cinerea*) were born to our two-year-old female and 14-year-old male. One male pup DNS, leaving one male and one female. Birth weights were 60 g (female) and 66 g (male), with an average of 100-110 g gains per week. The pair was introduced on 9 August; breeding occurred on 13 August and continued for 12 days. The sire, a wild-caught animal, was shipped from the Minnesota Zoo. Until now, he was unrepresented and considered to be a non-reproductive animal. The female was shipped from the Reid Park Zoo and this was a first litter for her. As of 30 August, there were 52.65.6 otters in 18 institutions for a total of 123 individuals. Not counting this significant birth, there were 15 births from five litters. To our knowledge, this male is the oldest reproductive male in North America.

The birth of 1.0 Black rhinoceros (*Dicornis bicornis*) occurred on 10 November 1990. "Cora" gave birth to "Tonka" at 1600 hrs on 10 November after a 15 1/2 month gestation. At 72 hours of age, the baby was given a routine neonatal examination by veterinary staff, and he weighed a healthy 90 pounds. Tonka was Cora's fourth calf; her three previous offspring were also males. The calf was born on the seventh anniversary of the arrival of his father at Metrozoo. "Toshi", the sire, came to us in 1983 from Hiroshima, Japan. Cora's last calf, born almost three years ago, was sired by a geriatric male whose genes were previously unrepresented among the captive black rhino population. That calf, "Tatu", is currently on exhibit with a five-year-old female and will soon become an active participant in the zoo's successful breeding program.

Our pair of White-handed gibbons (*Hylobates lar*), "Fang" (est. age 37 yrs.), and "Prissilla" (est. age 21 yrs.) gave birth to fraternal twins. They were on exhibit when the birthing began. It was apparent that the infant was in a breech position. Aided by zoo staff, the dead (male) fetus was delivered vaginally on 27 October 1990. The following day, 28 October 1990, the female was taken to the zoo hospital for exam, when a second breeched infant (a female) was discovered. Due to the need to deliver the second fetus quickly, a C-section was performed. Both the mother and infant are doing fine. After suture removal, both were placed back on exhibit. To our knowledge, this occurrence of fraternal twinning is a first. If anyone is aware of others, please write with further information to: Rachel Watkins Rogers, Miami Metrozoo/Primate Dept., 12400 SW 152 St., Miami, FL 33177. submitted by Rachel Rogers, Martha Thaden, Walter DuPree and Linda Evans.

White-handed gibbon mother Prissilla with the surviving twin from the 27 October 1990 birth at Miami Metrozoo. Photo by Richard Arnold/Photo Concepts/ Miami.





Ngare Sergoi Rhino Sanctuary Update

*from Anna Merz
Founder/Patron*

Dear AAZK Members,

The year started well with the successful capture in January of Kikwar, a subadult male black rhino in the northeast part of the Matthews Range. He was the last of a small group of rhino in that area, sadly the shifta killed the others. By good luck, Andy Lodge of the Support Group was with us for the capture and saw the super cub make a crash landing. Thankfully the pilot, William Craig, was unhurt and the plane could have been easily repaired had not the truck transporting it to Nairobi turned turtle in a ditch rendering our little plane a total write-off. As Andy witnessed all the dramas and saw with his own eyes how vital a small plane is to our operations, he inspired the Support Group (through the efforts of the 1990 AAZK Bowling for Rhinos event) to raise the funds to buy us a new one. It arrived on Lewa Downs on 29 November and sports a large AAZK logo on its side. Thank you all.

The Bowling for Rhinos effort also raised the funds to buy us a 4WD Mercedes Tipper Lorry. This is the most important bit of equipment needed for our giraffe translocation project which we hope to start in March '91. The reticulated giraffe subspecies existed formerly in the northeast of Kenya and in Somalia and Ethiopia. It is now extinct over much of its range. Here on Lewa Downs we have 700 of these lovely animals, nearly 200 of which are in the rhino sanctuary. This constitutes between 10-15% of their entire population. But here there are far too many and they are killing our precious trees by debarking them. We therefore plan to move about 400 of them to the Meru National Park, security there now being excellent. For this operation we need the lorry and in the region of \$127,000. I hope very much that much of this money will be raised by the efforts of two wonderful friends in Switzerland: Dr. Eva Metzger who bought me my new Suzuki last year and Mr. Richard Scholl. In May I was given a Global 500 Award by U.N.E.P. and had to go down to Nairobi to receive it and make the very first speech of my life, an ordeal I would never have survived but for Richard's help...

On 19 March, Sungari, one of our white rhino cows, produced a lovely male calf, Lari. She has proven an excellent mother and he is doing well as is the other white calf born last autumn. On 24 June we were lucky to receive a superb mature male black rhino, Osupat. He has settled down well and has already had several matings. Interestingly his technique is quite different from that of Godot, and as Samia approaches maturity (she will be six years old on 15 February), I am deeply grateful that he appears to be a much more gentle animal. Samia is now totally independent but she is still my friend and visits me regularly and her growing intelligence continues to astound me.

July was the month for weddings: on the 14th Francis & Bimbi were married in Scotland and Andy & Melissa in Columbus, Ohio; from the bottom of my heart I wish them every happiness. While in the U.K. to attend Francis' wedding, I signed a contract with Collins in London for the publication of my rhino book next summer. End of July we sadly lost an immature black male as a result of a fight from which he sustained severe internal injuries. Seemingly he tried to stop his mother from being mated by Kelele. In August I had leopard dramas, a huge male killed my poor Caspar on my front verandah and for the next 10 days returned at repeated intervals. The remaining dogs were under strict curfew and my cooking operations were complicated by juggling in the dark with a cudgel, torch and saucepans. I have now had lights installed in the garden and the leopard, to my vast relief, has left the sanctuary and gone some miles to a place where it seems he has consumed some 30 dogs and nine sheep.

Ngare Sergoi Update, *Continued*

In November disaster struck two close friends and people very important to the rhinos. Tim Ward Booth, a brilliant young helicopter pilot who has helped us in so many capture and shifta operations, was most tragically killed in a road accident. Dieter Rottcher, who is the vet who had captured all our rhinos and to whom so many elephants and rhinos owe their lives, suffered a heart attack and is now in Germany having triple bypass surgery.

To end this letter on a better note, we have had eight inches of rain and are green and beautiful - flowers everywhere and birds rushing around with beaks full of housing materials. The rhinos put on condition and have all become very sociable - I saw seven blacks together the other day. I thank you all for your help and support. It has been lovely meeting so many of you this year and I hope you will all come back again. With best wishes for 1991 and our grateful thanks.

Very Sincerely,

Anna Mertz



AAZK Administrative Offices

1-800-242-4519 (U.S. Only)

1-800-468-1966 (Canada)

FAX 913-272-2539

Keeper's Alert

As zoological institutions work toward educating the public about our vanishing wildlife, many use live animals. Anyone interested in using live bats may wish to consider adding The Maintenance of Insectivorous Bats in Captivity to their library. For more information, contact Sue Barnard at 6146 Fieldcrest Dr., Morrow, GA or call (404) 624-5618.

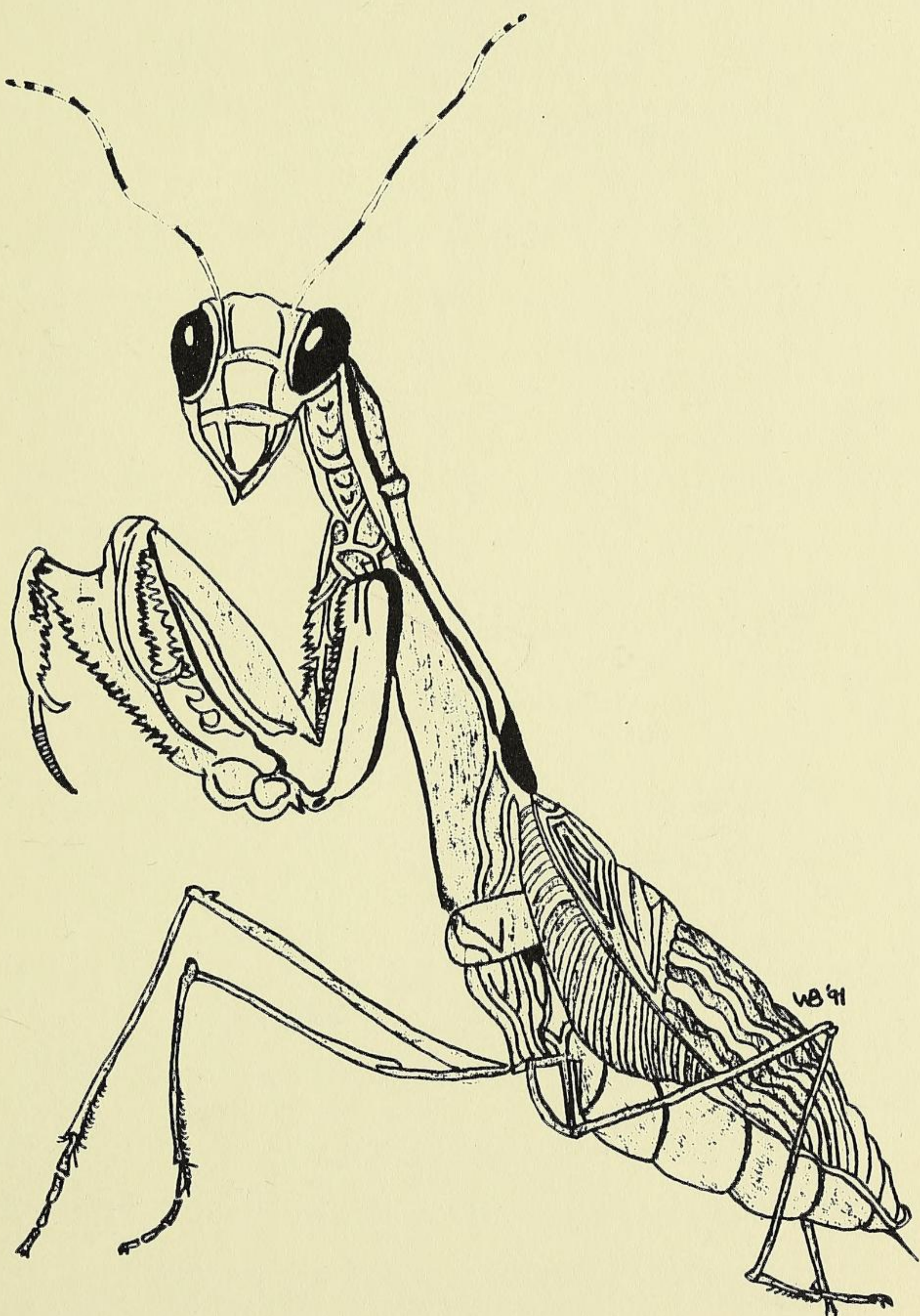
Notice to Aviary and Reptile Curators and Egg Display Caretakers: new technique available to zoo personnel for the production of that "perfect egg". I have developed a technique by which eggs can be "blown" using only one hole the size of a pen point. This method not only produces a superior display egg, but also avoids the weakening of the shell caused by traditional methods. This service is now being offered to the zoo community for the first time. Fees for the service will be a tax-deductible donation to an organization that maintains a rehabilitation center for abused, unwanted and surplus zoo animals. If you would like more information on this service, please contact Staffan at (512) 755-4616 or (512) 755-8868. Pricing will be negotiated via telephone or you may write to Tell-Egg by Staffan, P.O. Box 15306, San Antonio, TX 78212-8506 for service sheets.



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Animal Keepers' Forum

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Dedicated to Professional Animal Care

Bowling for Rhinos Update

The 1991 Bowling for Rhinos is well underway with over 30 zoos participating in this year's fundraiser. To help with your event we have a limited supply of promotional videotapes which highlight the 1990 Black Rhino capture. The '91 official sponsor sheets are due in from the printer any day and should be to your address by the first of the month.

The Grand Prize offered by the Ngare Sergoi Support Group (NSSG) and the Craigs for the top two individuals who earn the most in sponsor money **nationally** will be a two-week trip to Kenya (from N.Y. to Nairobi) with accommodations as guests of Ian & Jane Craig at their ranch at Lewa Downs.

Proceeds from the sale of NSSG T-shirts is financing the trip. As always, 100% of Bowling for Rhinos donations to the Support Group go for conservation. For further information contact: Nanci Pintavalli at (614) 766-6475.

The following letter was faxed to the Ngare Sergoi Support Group, Inc. and forwarded on to our offices by Andy Lodge.

Kenya Wildlife Service
PO Box 40241, Nairobi, Kenya

31/1/91

The American Association of Zoo Keepers
U.S.A.

KENYA
WILDLIFE
SERVICE



Dear Friends,

I am informed by Ian Craig of Lewa Downs that you have most kindly undertaken to help raise financial support for the fencing of Kenya's Ngare Ndare forest. This is an extremely important elephant area and your assistance is both welcome and timely.

We expect to fence over 4000 kilometres of forest area over the next five years and the Ngare Ndare project is especially critical at the moment. I thank you and all concerned most sincerely.

Yours sincerely,

A handwritten signature in black ink, appearing to read "R.E. Leakey". The signature is fluid and cursive, with a large, sweeping initial letter 'R' that loops back. A long horizontal stroke extends from the end of the signature.

R.E. Leakey
Director



Coming Events

Coral Reefs, Sharks and Reef Fishes: Clear Waters Murky Issues

April 27, 1991

Minneapolis, MN

The Minnesota Zoo and Bell Museum will co-host this international symposium at the Bell Museum in Minneapolis. For further information, contact Sue Ellis-Joseph, Minnesota Zoo, 13000 Zoo Blvd., Apple Valley, MN 55124 (612) 431-9226.

Rhinoceros Biology and Conservation International Rhino Conference

May 9-11, 1991

San Diego, CA

Will include keynote speakers and papers on topic areas including: National/Regional Management Strategies; Creating Self-sustaining Populations; Reproduction; Systematics, Evolution, Genetics; Diseases and Nutrition; and Captive and Other Managed Populations. For further information contact: Oliver Ryder, 1991 Rhino Conference, Zoological Society of San Diego, P.O. Box 551, San Diego, CA 92112-3952 U.S.A.

International Australian Lungfish Breeding Workshop

May 9-11, 1991

Cleveland, OH

For more information contact Dan Moreno, Cleveland Metroparks Zoo, 3900 Brookside Park Dr., Cleveland, OH 44109 (216) 661-6500, FAX: 216-661-3312.

Applying Behavioral Research to Zoo Animal Management

June 8-15, 1991

Toronto, Canada

Metro Toronto Zoo is host for this sixth annual workshop designed to give participants the skills and knowledge necessary to conduct and participate in behavioral studies and to apply information gained to day-to-day animal management. The workshop instructors are Dr. Michael Hutchins, Director of Conservation & Science, AAZPA and Dr. Jill Mellen, Conservation/Research Coordinator at the Washington Park Zoo, Portland, OR. There are still some openings for this restricted-attendance workshop, so if you are interested, please contact: Marilyn Cole, 1991 Behavioral Workshop Committee Chairman, Metro Toronto Zoo, P.O. Box 280, West Hill, Ontario, Canada M1E 4R5.

1991 American Association of Zoo Veterinarians Annual Conference

September 28-October 3, 1991

Calgary, Canada

This year's meeting will feature a seminar on Zoo Dentistry on Saturday, 28 Sept. Other sections of the program include controversies in animal welfare, zoonotic aspects of infectious diseases, anesthesia, clinical pathology, environmental toxins in free-ranging wildlife, wildlife rehabilitation in zoos, and presentations on medical/surgical problems of captive wild animals. Additionally, there will be a student paper competition, wet labs, and a poster session. Deadline for receipt of papers is **1 May 1991**. For general conference or association information contact: Wilbur Amand, VMD, Executive Director, AAZV, Philadelphia Zoo, 34th St. & Girard Ave., Philadelphia, PA 19104, (215) 387-9094; FAX (215) 38708733. Individuals interested in participating in the program should contact William Foster, DVM, Louisville Zoo, P.O. Box 37250, Louisville, KY 40213; (502) 459-2181.



Birth & Hatchings, *Continued*

The Reptile Dept. had the following significant hatchings to report: 0.0.1 South African speckled tortoise of Padloper (*Homopus signatus*) hatched in early January. This was a first hatching for the Bronx Zoo. *submitted by Peter Psillas, Chapter Liaison, Bronx Zoo AAZK Chapter; Bird section submitted by Doug Piekarz, Vice Pres, Bronx Zoo Chapter.*

Denver Zoo...B&H from June-Dec. 1990 - a very important addition came to Denver's Black rhino (*Diceros bicornis*) program on 3 October 1990. It was the first birth for Onyx and George, the second pair of successfully breeding rhinos at the zoo's facility. Most importantly, the calf Kwanza, meaning "first born" in Swahili, was the first 3rd generation Black rhinoceros born in North America. Kwanza was considerably underweight for a calf of this species, 66.5 lbs. Yet, under the exceptional care of her mother, Kwanza gained approximately 11.5 lbs. per week.

At roughly 3 1/2 weeks of age, Kwanza lost interest in nursing along with other symptoms of shaking and head pressing. She became increasingly disoriented with her surroundings which included constant crying and an unusual behavior of circling to the left.

During this time Onyx continued to care for Kwanza but she became agitated and nervous with the calf's behavior and vocalizations. At this point, the calf had not nursed for approximately 17 hours and it was vital for her to receive fluids. Kwanza was pulled from her mother on 25 Oct. and taken to the hospital for analysis. It was determined roughly that she might have an infection of the brain. Breathing was labored and shallow. Nutrition came in the form of forced-tube feedings five times a day. Kwanza underwent a series of CAT scans and a spinal tap trying to determine the exact nature of the infection. Unfortunately, these tests only ruled out Hydrocephalia. Encephalomalacia was still a major concern.

Kwanza finally accepted a bottle after two long weeks and gained 1/2 to 1 lb. per day. We started out with an initial formula from the Cincinnati Zoo, but then switched to a rhino milk formula that Purina™ came up with for a calf at the London Zoo. Kwanza continued to improve with antibiotics and the formula. Eventually, the antibiotics were discontinued due to a constant source of diarrhea that was thought to be caused by the natural flora of the intestine being wiped out. To counterbalance this we gave Kwanza daily "shit shakes" of her formula and Onyx's feces to rehabit the intestinal tract. At this point, Kwanza was making great strides in recovery. She could focus on objects and people, run and exercise outside a little and continued to eat heartily.

In January, she came down with Salmonella and it looked like all our progress was in danger. But, I am happy to report that again she has bounced back and continues to thrive. As of this report she is at 136 lbs. She can be seen daily charging up and down the halls of the hospital and outside in the yard, snorting and generally carrying on. Kwanza truly is in every sense a miracle to all of us. It has been a great experience being a part of hand-raising such a unique species as the Black rhino. *compiled by Christine Bobko, Primary rhino relief keeper.*

Hoofstock - 0.1 Lesser kudu (*Trapelaphus imberbis*) was born in December. The Denver Zoo is one of only four institutions in North America to house this species. There is an approximate total of only 30 individuals at all four facilities. *compiled by Karen Stern*

Primates - our one summer birth, in July, was that of a 1.0 Hooded capuchin (*Cetus apella cay*). In Sept. a male Pale headed saki (*Pithecia pithica*) was born. The two births recorded for November were another Pale headed saki (as yet unsexed) and a male White-handed gibbon (*Hylobates lar*) which is an SSP species. Our only December birth was that of a Cotton-top tamarin (*Saguinus oedipus*). *compiled by Penny Smith (Denver B&H submitted by G. Suzanne Chacon)*

Houston Zoo AAZK...reports these B&H for May through October 1990. The Small Mammal House has enjoyed continued success with its various species of bats with the births of 0.0.1 Jamaican fruit bat (*Artibeus*) and 0.0.2 Egyptian fruit bat (*Rousettus*

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June 1991

Animal Keepers' Forum



Dedicated to Professional Animal Care

Chapter News

San Diego AAZK Chapter

On 25 April, Rick Barongi, Curator of Mammals at the S.D. Zoo, spoke on his recent visit to Panama in a program entitled: Noriega's Tapirs: The Panama Tapir Conservation Program.

Chapter President Nolan Harvey (Mammals/Sea World) resigned last month. He has moved to Seattle to pursue personal interests. Nolan's energy and creativity was contagious and his six years of service to the Chapter will not be forgotten. Current Vice President Steve Castillo (Mammals/S.D. Zoo) is now assuming the President's role as well. Nolan has promised to attend the 1992 AAZK National Conference which will be hosted by the San Diego Chapter. See you there!

"RHINO - MAY - NIA"
(it all happened in May)

"Bowling for Rhinos" Project - this project began in 1987 as a unique and important AAZK fundraiser for Ngare Sergoi, a 10,000 acre rhino sanctuary in Kenya. The sanctuary houses 19 rhinos and exists only through grants and private donations. Last year, 36 zoos nationwide raised over \$150,000 (covering the cost of one year's operation). This year, 43 zoos are participating. On 5 May, San Diegans rolled a few strikes and raised over \$7,500 for rhinos. "But not all pledges are in yet," remarked Cindy Woodward, this year's hard-working chairperson for the event. Ann Weaver, Chapter Treasurer, designed T-shirts with a custom logo (rhinos, of course). Funds raised this year will go toward a forest reserve adjacent to Ngare Sergoi, called Ngare Ndare. Ngare Ndare is a complete ecosystem that supports a variety of plant and insect species as well as small populations of elephant, buffalo, eland, waterbuck, warthog, colobus monkey, lion, leopard and more. It's also an ideal habitat for rhino which could be easily introduced there.

KENYA's "RHINO MAN" ---

Michael Werikhe

He's walked across Africa. He's walked across Europe. Now he's walking across the U.S. to raise awareness for the plight of the rhinoceros. Michael spent a week in San Diego walking and crusading on behalf of the black rhino. He began his walk on 7 May, stopping at schools to talk to and reach thousands of kids. Keepers (and AAZK Board Members) Lance Aubrey, Steve Castillo, and Vicki Steele accompanied the "Rhino Man", as well as many concerned San Diegans who joined along the way. Local radio and television stations covered the event.

After walking 22+ miles on 7 May, Werikhe spoke at the Chapter's meeting that night. Michael discussed rhino populations, distribution, poaching, conservation, captive breeding and reintroduction problems, as well as environmental issues and educating children. Andy Lodge, wildlife conservationist and founder of the Ngare Sergoi Support Group, Inc. was also there and gave an update on the Ngare Sergoi Sanctuary and the Ngare Ndare Forest Reserve. "This year, \$160,000 is needed for a fence to save a lot of animals. Keepers have done it," said Andy proudly. "Snares are a major problem and must be removed before the fence goes up." Many animals suffer and are killed in snares.

Michael and Andy both stressed that it's not just an African problem but a worldwide problem. Even though illegal, rhino horns and other exotic animal parts/products are found in the U.S.! We need to get our government involved - write to Congress urging economic sanctions; especially the countries of Taiwan, Korea, Japan and Thailand. Write to these countries and tell them how you feel. Michael and Andy realize that traditions and customs die hard. But through awareness, education and support we all can make a difference. Two graphic and moving slide presentations were shown, along with a rhino capture video. "If we lose the rhino, we lose a little part of ourselves. Time's running out," Andy said. Over \$200 was raised for rhinos at the Chapter meeting that night.

Chapter News, *Continued*

INTERNAT'L RHINO CONFERENCE

Michael Werikhe ended his stay in San Diego as the keynote speaker at the conclusion of the International Rhino Conference (May 9-11).

In closing, I'm honored in quoting the "Rhino Man" himself, Michael Weirkhe. "In all my walks, I've found that people do care, but feel left out. It is only when we all pull together that the rhino and other wildlife will be safe at last."

--Mary Dural, Chapter Liaison

Topeka Zoo AAZK Chapter

Our Chapter has been extremely busy since the beginning of the year. In January we held elections with the following results:

President.....Kayla Grams
Vice Pres/Sec'y.....Gretchen Ziegler
Treasurer.....Cathy Harrison
Chapter Liaison.....Tori Mason

One of our main projects was to develop a Chapter logo. We chose the binturong for our logo since we brought in 0.2 binturong for a unit our Chapter completely renovated and remodeled. With the artistic talents of Geoff Creswell, a former keeper and employee of the Jane Goodall Institute, and Ed Blada, a local high school art teacher and graphic artist, the finished logo is this:



We are currently working on purchasing stationary, envelopes, postcards and possibly T-shirts featuring our newly adopted logo.

Another major project was to implement a sound system in our orangutan exhibit and in the public viewing area of our Discovering Apes building. AAZK received assistance from the zoo in purchasing the needed equipment, then hooked everything up with the help of a member of our zoo's Explorer Post. The sound system is designed to allow the visitors to hear orangutan vocalizations along with nature sounds (birds, rain, streams, etc.) as well as providing the stimulus of natural sounds to the orangs. Our orang group was initially scared and upset with the new audio stimuli, but have grown accustomed to the sounds, and everything seems to be working fine.

We participated in an Environmental Fair the first weekend in April at a local mall where we sold Rain Forest Crunch and educated the public about the plight of the world's remaining rainforests. Unfortunately, there were many other activities in town that weekend and the fair was poorly attended. We also had a booth at "Mother Earth Days" at our zoo over Earth Day weekend. We again sold Rain Forest Crunch and also held a silent auction for elephant footprints, graciously donated by our 0.1 Asian Elephant "Sunda". We raised \$160 alone from the auction for our Chapter.

We continue to have good success with our Twirl-a-Coin™. This quarter we put together a showcase in the lobby of our Animals and Man building explaining the plight of the rhino and the Ngare Sergoi Sanctuary. We included a sign indicating that half the proceeds received in the Twirl-a-Coin™ would go to the sanctuary to help protect the species. Response has been tremendous!

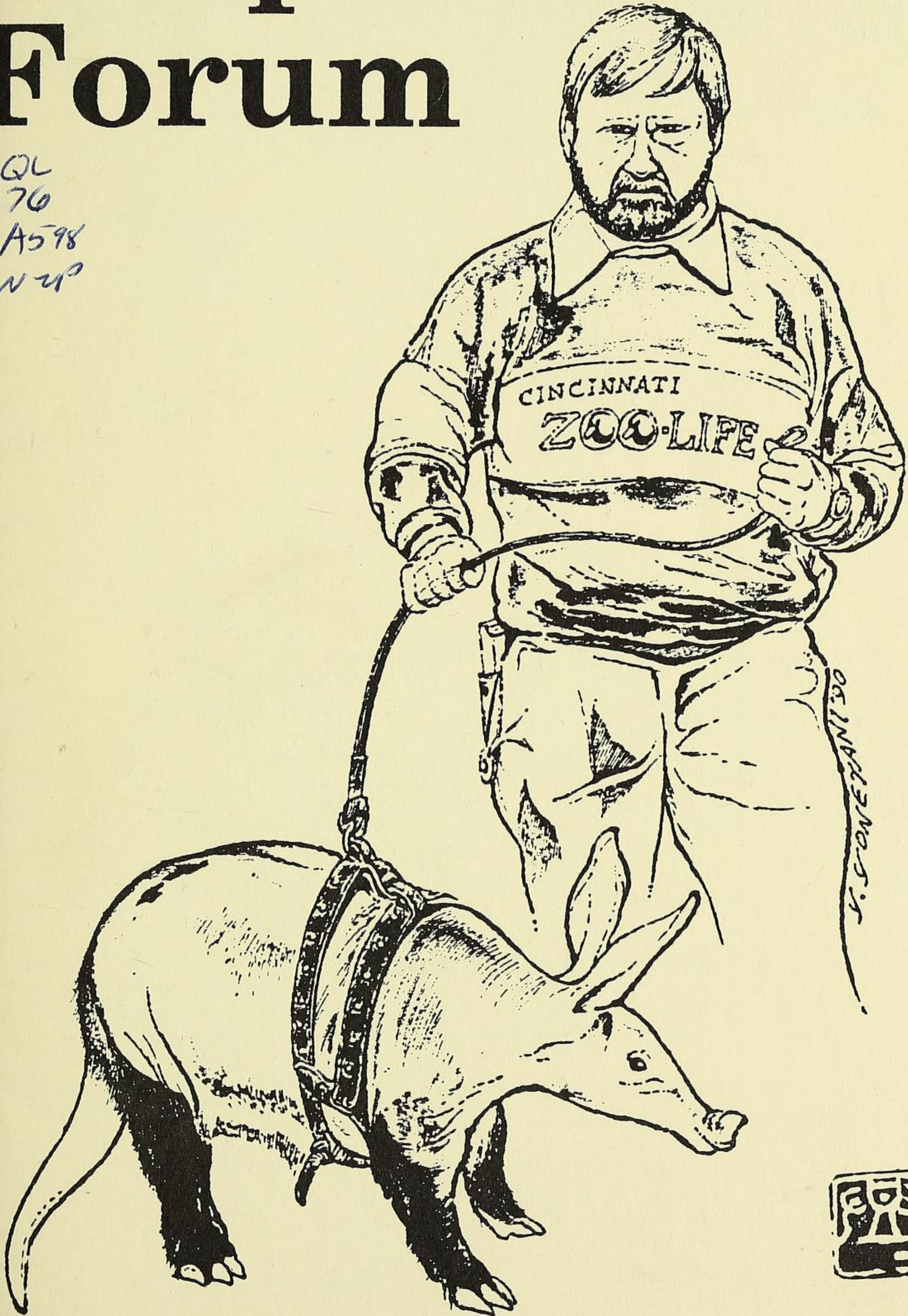
And speaking of rhinos...we held our first annual "Bowling for Rhinos" on 5 May. We decided to keep it fairly low key this year so we could see what we could be getting ourselves into. Eleven of us---Chapter members, staff and volunteers---participated. Our very own Barbara Manspeaker bowled a 448 series (way to go Barb!). Overall, our Chapter raised a little over \$700...not bad for being low key!

With summer fast approaching, you can bet the Topeka AAZK will be as busy as ever. *--Tori Mason, Chapter Liaison*

July 1991

Animal Keepers' Forum

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Dedicated to Professional Animal Care

Birth & Hatchings, *Continued*

calf born last year to the same female but she inadvertently gored it and it was subsequently euthanized. This year the mother is taking good care of the calf and it is doing well. We are currently in the process of reintroducing the female and calf back to the herd.

Notable acquisitions include: 1.1 Warthogs (*Phocochoerus aethiopicus*), 0.1 Babirusa (*Babyrousa babyrussa*), and 1.1 Siberian tigers (*Panthera tigris altaica*). These are new species to the Denver Zoo and all seem to be adjusting well to their new homes. *submitted by Karen Stern, Denver Zoo.*

Birds & Primates - 0.0.2 Bali mynah (*Leucopsar rothschildi*) fledged from a newly matched pair. SSP is managing the Bali mynahs and we have always done well with this species. 0.0.9 Fairy bluebirds (*Irena puella*) were raised from two unrelated pairs. Two chicks were pulled at Day 7 and hand-raised. We have not raised many of this species in the last few years. 0.0.1 White ibis (*Eudocimus albus*) is being successfully hand-raised for the first time at our facility. 0.0.9 Emu (*Dromaius novaehollandiae*) are being hand-raised. This is the most we have ever had at once.

0.0.1 Slender loris (*Loris tardigradus*) was born from a new pair we obtained from Duke Primate Center. 0.0.1 Black lemur (*Lemur macacoo*) was a first born from our SSP pair. *submitted by Suzanne Chacon, Denver Zoo.*



“Bowling for Rhinos” Update

With the bowling event over and the proceeds steadily coming in, I can only state that I am very proud of all of your hard work and dedication. Your enthusiasm and creative abilities have once again made “Bowling for Rhinos” a successful event. This year we had 42 institutions continent-wide participating, up from 36 for last year.



Presently at the Ngare Ndare Forest Preserve 11 km of fencing is up and 75% of the way prepared for fence erection. This critical project had come to a virtual standstill due to lack of funds. In order to keep the crews working, \$15,000.00 was wired to Africa on 5 June '91.

Although collection is a slow and frustrating process, now more than ever we need your cooperation. If you have not submitted your BFR proceeds, please do so right away! Even if you have not been able to collect from all bowlers, send what you have accumulated. I will keep a running tote of monies earned by your local projects. Also additionally, you will be verbally notified that I received your chapter/institutions monies and that will be followed up with written confirmation for your event records. Once all money has been collected, you will receive written notification as to the total earned for the '91 event as well as the names of the lucky winners of the trip to Africa.

Thank you again for your commitment, hard work and dedication.

--Nanci Pintavalli, '91 BFR Coordinator



Chapter News, Continued

extinct. The flags also included the year of their extinction. Each flag was stapled onto two stakes which were then secured into the hillside of our Lion/Tiger Exhibit (which is a high visibility area across from the zoo's restaurant).

The FONZ Education Office asked if they could have the flags to use at future zoo events, such as "Zoo Night". The Chapter wishes to extend its gratitude to all persons who helped with this project.

--Kathy Kelly, Chapter Liaison

San Diego AZK Chapter

On the evening of 16 May, the Chapter was pleased to have Dr. Don Janssen, DVM, Director of Veterinary Medicine at the San Diego Zoo, lecture at the monthly meeting. Dr. Janssen spoke on his July 1990 trip to Kruger National Park in a program entitled "Immobilization Field Trials in South Africa".

Dr. Janssen discussed the use of A3080, an experimental drug with a rapid down time, on a variety of hoofed species: impala, warthog, eland, elephant, cape buffalo, waterbuck, greater kudu and rhino. One hundred sixty-five animals were darted and processed. Portable hi-tech machines monitored blood pressure, temperature, oxygen saturation and heart rate. Weights and blood samples were taken. Dr. Janssen presented an interesting video along with slides during his talk.

At the AAZK Board of Directors meeting on 3 June, past president Nolan Harvey was unanimously voted to 'Life' member status in the local Chapter. Cindy Woodward was voted to fill Nolan's position on the Board of Directors. Congrats, Cindy!

"Bowling for Rhinos" update: \$8,500 was raised for the Ngare Ndare Forest Reserve.

--Mary Dural, Chapter Liaison

Tulsa Zoo AAZK Chapter

Through the coordinated efforts of the Zoo Conservation Outreach Group (ZCOG), our Chapter hosted Dr. Pablo Varela, a zoo veterinarian from the Guadalajara Zoo, for two weeks in May. Dr. Varela spent time with keepers in all areas of our zoo as well as visits with zoo veterinarians at Sedgwick County Zoo in Wichita, KS, the Oklahoma City Zoo and the Oklahoma State University School of Veterinary Medicine. Dr. Varela hopes to apply much of what he learned towards improving the Guadalajara Zoo.

Our Chapter also held its first "Keeping Up With The Keepers" program (as originated by the Philadelphia Zoo's AAZK Chapter). We offer our Tulsa Friends members the opportunity (along with a fee) to work along side our keepers during part of their morning routine. All the participants had an excellent time and want to do it again! We plan on offering this program at least every other month throughout the year. We are very happy with its success so far.

--Sarah Leeg, Chapter President

Philadelphia Chapter AAZK

Our Chapter has been very busy for the past five months. Some of the more exciting highlights are:

We have had one "Meet the Keeper" evening and two "Keeping Up With The Keeper" mornings.

A lecture committee has been formed to plan a series of talks this year. Our first guest speaker was Fred Ulmer who was Philadelphia Zoological Garden's first curator of mammals. We also had John Guarnaccia from RARE speak to us on tropical conservation.

Our Chapter has decided to form a "sister zoo" relationship with the Minerva Zoo in Quetzal Tenango, Guatemala. This is a zoo that is in great need of support.

Update on Zoo Infant Development Project

Submitted by
Harmony Frazier-Taylor
Project Coordinator
Woodland Park Zoo, Seattle, WA

Following you will find a list of all the current completed ZIDP forms, their zoos, and the contributors.

I thought it might be helpful for you to see where the project currently stands. We have a good start but it's only a start. We need a great deal more species variety as well as same species/different zoos, to get a complete picture.

Many of the completed forms have been done by the same contributor. I want to thank all those who have contributed so far. It is greatly appreciated. I have found it very encouraging. But, we do have a way to go before we will be able to publish a usable and useful manual.

I need your help. The spring and summer birth seasons are upon us. ONE form completed by each AAZK member would complete this project THIS YEAR! Only ONE each! About 45 minutes of your time looking through your records or a few minutes a week listing new developments as they occur is all that's required. Either way works.

Please help make this project, YOUR AAZK Zoo Infant Development Project, a success. If I can be of ANY assistance or send you data collection forms please don't hesitate to write or call.

Harmony Frazier-Taylor
Woodland Park Zoo
5500 Phinney Ave. N.
Seattle, WA 98103
(206) 684-4866

Species List Submitted for Infant Development Project as of 11 April 1991. Prepared by Harmony Frazier-Taylor, LVT, Woodland Park Zoo, ZIDP Coordinator. TOTAL: 117

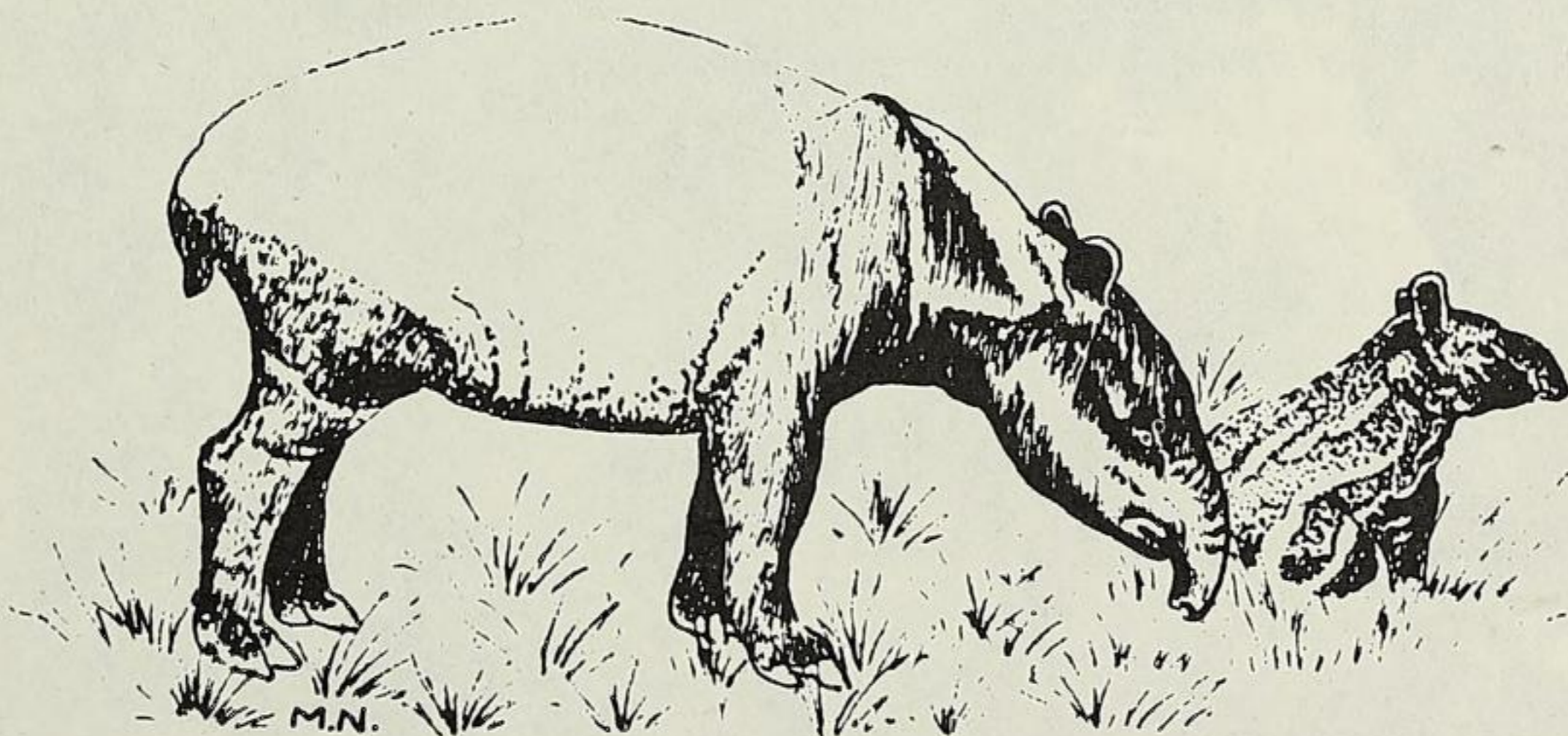
<u>SPECIES</u>	<u>NUMBER</u>	<u>INDIVIDUAL</u>	<u>ZOO</u>
Red-necked Wallaby (<i>Wallabia rufogrisea</i>)	1	Carolann Curry	Mill Mt. Zoo, VA
Wallaroo (<i>Macropus robustus</i>)	3	Tina Mullett	Woodland Prk Zoo, WA
Wallaroo (<i>Macropus robustus</i>)	1	Cheryl Clark	Woodland Prk Zoo, WA
Matschie's Tree Kangaroo (<i>Dendrolagus matschiei</i>)	3	Tina Mullett	Woodland Prk Zoo, WA
Grey-headed Fruit Bat (<i>Pteropus poliocephalus</i>)	4	*Pam Talbot *=from nocturnal	Woodland Prk Zoo, WA crew records, WPZ
Straw-colored Fruit Bat (<i>Eidolon helvum</i>)	7	*Pam Talbot	Woodland Prk Zoo, WA
Ring-tailed Lemur (<i>Lemur catta</i>)	3	Patty Pearthree	Indianapolis, IN
Mouse Lemur (<i>Microcebus murinus</i>)	6	*Pam Talbot	Woodland Prk Zoo, WA

Zoo Infant Development Project Update, Continued

Greater Galago (<i>Galago crassicaudatus</i>)	7	*Pam Talbot	Woodland Prk Zoo, WA
Lesser Galago (<i>Galago senegalensis</i>)	5	*Pam Talbot	Woodland Prk Zoo, WA
Slow Loris (<i>Nycticebus coucang</i>)	1	*Pam Talbot	Woodland Prk Zoo, WA
Douroucouli (<i>Aotus trivirgatus</i>)	3	*Pam Talbot	Woodland Prk Zoo, WA
Black & White Colobus (<i>Colobus guereza</i>)	1	Jo Abbott	Woodland Prk Zoo, WA
Colobus (<i>Colobus guereza kikoyensis</i>)	1	Dave Ackerman	Columbus Zoo, OH
DeBrazza Guenon (<i>Cercopithecus neglectus</i>)	1	Jo Abbott	Woodland Prk Zoo, WA
Japanese Macaque (<i>Macaca fuscata</i>)	2	Patty Pearthree	Indianapolis, IN
White-handed Gibbon (<i>Hylobates lar</i>)	1	Patty Pearthree	Indianapolis, IN
Tamandua (<i>Tamandua tetradactyla</i>)	3	*Pam Talbot	Woodland Prk Zoo, WA
Tamandua (<i>Tamandua tetradactyla</i>)	1	Pat Sammarco	Lincoln Prk Zoo, IL
Two-toed Sloth (<i>Choloepus hoffmani</i>)	10	*Pam Talbot	Woodland Prk Zoo, WA
Coendu (<i>Coendu prehensilis</i>)	1	*Pam Talbot	Woodland Prk Zoo, WA
African Crested Porcupine (<i>Hystrix galeata</i>)	1	*Pam Talbot	Woodland Prk Zoo, WA
Chinchilla (<i>Chinchilla langier</i>)	1	Patty Pearthree	Indianapolis, IN
Chinchilla (<i>Chinchilla langier</i>)	1	Luanne Johnson	Indianapolis, IN
Patagonian Cavy (<i>Dolichotis patagonum</i>)	1	Dave Ackerman	Columbus Zoo, OH
Springhaas (<i>Pedetes capensis</i>)	1	*Pam Talbot	Woodland Prk Zoo, WA
Malayan Sun Bear (<i>Helarctos malayanus</i>)	1	Bill Fagerland	Woodland Prk Zoo, WA
Sloth Bear (<i>Melursus ursinus</i>)	4	Joyce Ford	Little Rock, AR
Red Panda (<i>Ailurus fulgens fulgens</i>)	1	Carolann Curry	Mill Mt. Zoo, VA
Red Panda (<i>Ailurus fulgens</i>)	8	*Pam Talbot	Woodland Prk Zoo, WA
Siberian Tiger (<i>Panthera tigris altaica</i>)	1	Patty Pearthree	Indianapolis, IN

Zoo Infant Development Project Update, Continued

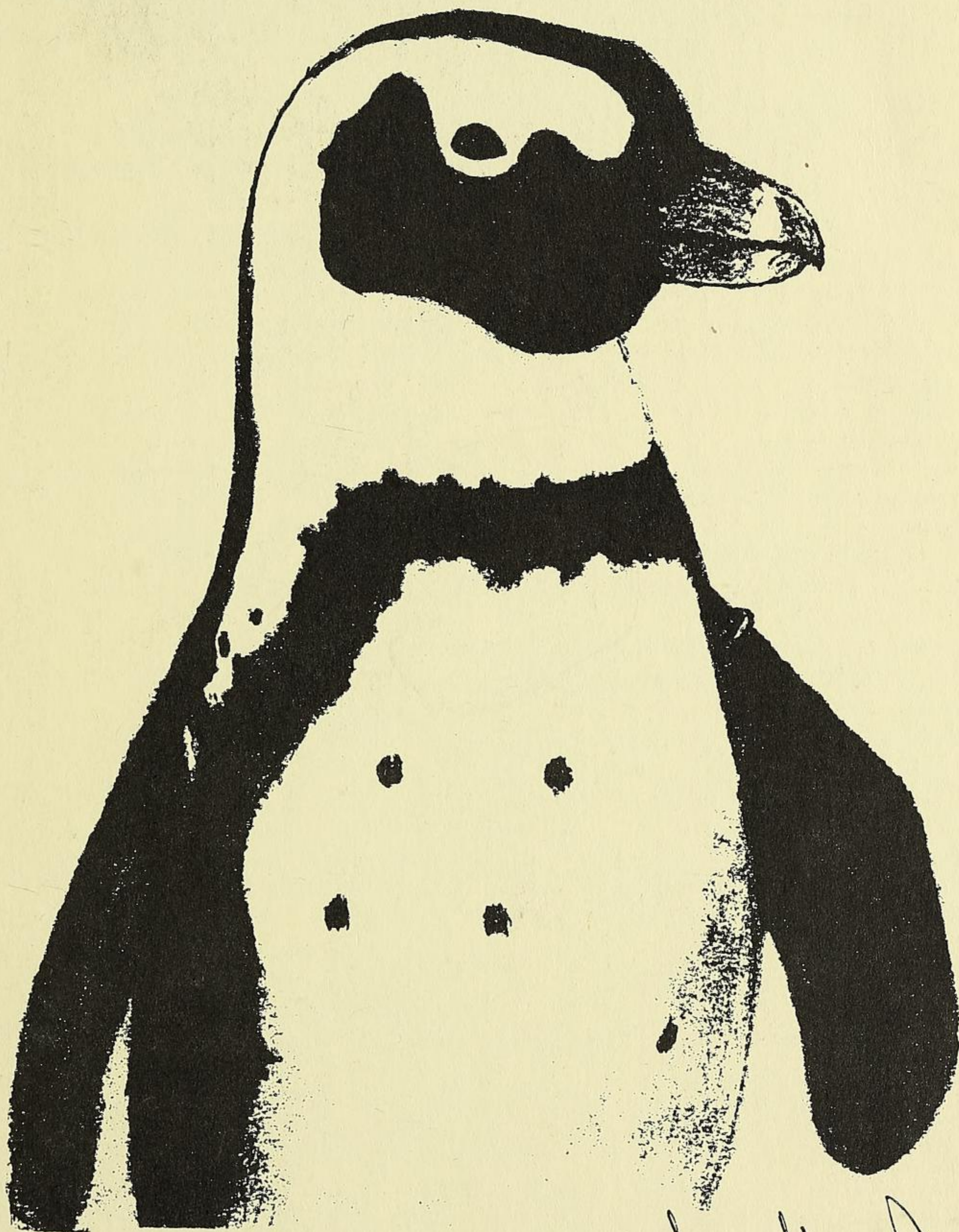
Siberian Tiger (<i>Panthera tigris altaica</i>)	1	Carol Lent Patty Pearthree	Indianapolis, IN
Lion	1	Dave Ackerman	Columbus Zoo, OH
Tree Hyrax (<i>Dendrohydrax arboreus</i>)	1	*Pam Talbot	Woodland Prk Zoo, WA
Southern White Rhinoceros (<i>Ceratotherium simum simum</i>)	10	Betty Grogan	Jacksonville, FL
Guanaco (<i>Lama lama guanicoe</i>)	1	Cindy Ambrosio	Bergen County Zoo, NJ
Red Brocket Deer (<i>Mazama americana</i>)	1	Cindy Ambrosio	Bergen County Zoo, NJ
Reeves Muntjac (<i>Muntiacus reevesi</i>)	5	Patty Pearthree	Indianapolis, IN
Reeves Muntjac (<i>Muntiacus reevesi</i>)	1	*Pam Talbot	Woodland Prk Zoo, WA
Reticulated Giraffe (<i>Giraffa camelopardalis reticulata</i>)	5	Dave Ackerman	Columbus Zoo, OH
Pronghorn (<i>Antilocapra americana</i>)	1	Dave Ackerman	Columbus Zoo, OH
Gemsbok (<i>Oryx gazella</i>)	1	Dave Ackerman	Columbus Zoo, OH
Domestic Cotswald Sheep (<i>Ovis aries</i>)	2	Jeanie Ragland- McMahan	Woodland Prk Zoo, WA
+Snow Leopard (<i>Panthera unica</i>)	1	Belinda Galvin for: Martin Zybura, Bronx Zoo, NY	Santa Fe CC, FL
+Mandrill Baboon (<i>Papio sphinx</i>)	1	Belinda Galvin for: Jill Hickey, Reid Prk Zoo, AZ Leslie Wood	Santa Fe CC, FL
+ = need permission	117		



Animal Keepers' Forum

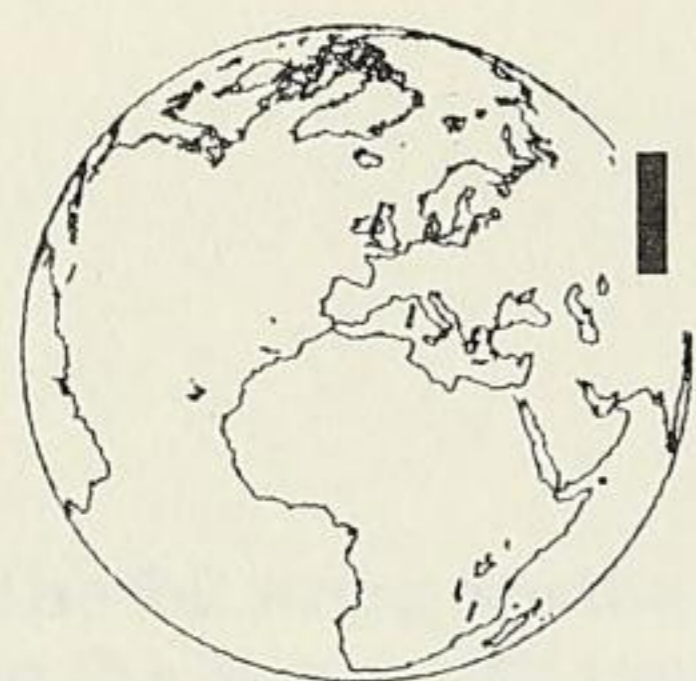
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August 1991



Grant Hoch
1990

Dedicated to Professional Animal Care



International



News

An ivory substitute made from milk, eggshells and titanium dioxide may save the lives of African elephants. We can only hope that it will also help the walrus which are facing increased pressure since the ban on elephant ivory.

Nature News Vol. 1, No. 7, 1991
Oryx Vol. 25, Jan. 1991

1990 saw the birth of the 40th Howletts-born gorilla "Jubi". Her mother was also the mother of Howletts first-ever baby "Kyo".

Ratel, April 1991

The first successful hand-raising of a Milky Stork (*Ibis cinereus*) hatched in captivity occurred at the Negara Zoo, near Kuala Lumpur in Malaysia.

Zoorama, Malaysia Issue No. 4/89

Poachers in Assam, northeast India, which is home to nearly 80% of the world's Indian rhino (*Rhinoceros unicornis*), have developed a new and terrible way of trapping the animals. They are being electrocuted by high voltage wires! (11,000 volts). At least seven are known to have died this way since the end of 1989.

Ratel, April 1989

An Indian Subcontinent Reptile and Amphibian Specialist Group of IUCN/SSC was recently formed. This group will work on identifying taxa in need of conservation and regions of high herpetological diversity and/or endemism. They will then prepare suitable action and conservation plans.

Zoo's Print, July 1990

The subspecies of Bald ibis found in Turkey (*Geronticus calvus*) has lost its struggle to survive in the wild. Only 3 birds returned to Birecik in southeast Turkey after their Red Sea winter and all died before they could reproduce. The Bald ibis was one of the world's first officially protected species under a decree by Archbishop Lionhard of Salzburg in 1504.

Thylacinus, Winter 1990

The Royal Zoological Society of South Australia's ZOOWATCH program was officially launched in Feb. 1990. ZOOWATCH involves volunteers who can assist in information and data collection as part of zoological research projects.

Thylacinus, Winter 1990

"Today the (African) wild dog (*Lycaon pictus*) is the most endangered large carnivore in Africa." Only 3,000 to 5,000 still remain due to habitat encroachment and indiscriminate killing due to their "vicious killer" reputation. Some packs on the Serengeti are being inoculated against diseases such as rabies, which can quickly spread, in an effort to curb the dying.

Swara, Jan/Feb 1991

Thanks again to the 19 individuals and Chapters who are sponsoring a Foreign Keeper. A reminder to those who are sponsoring Indian keepers and receiving Zoo's Print to consider