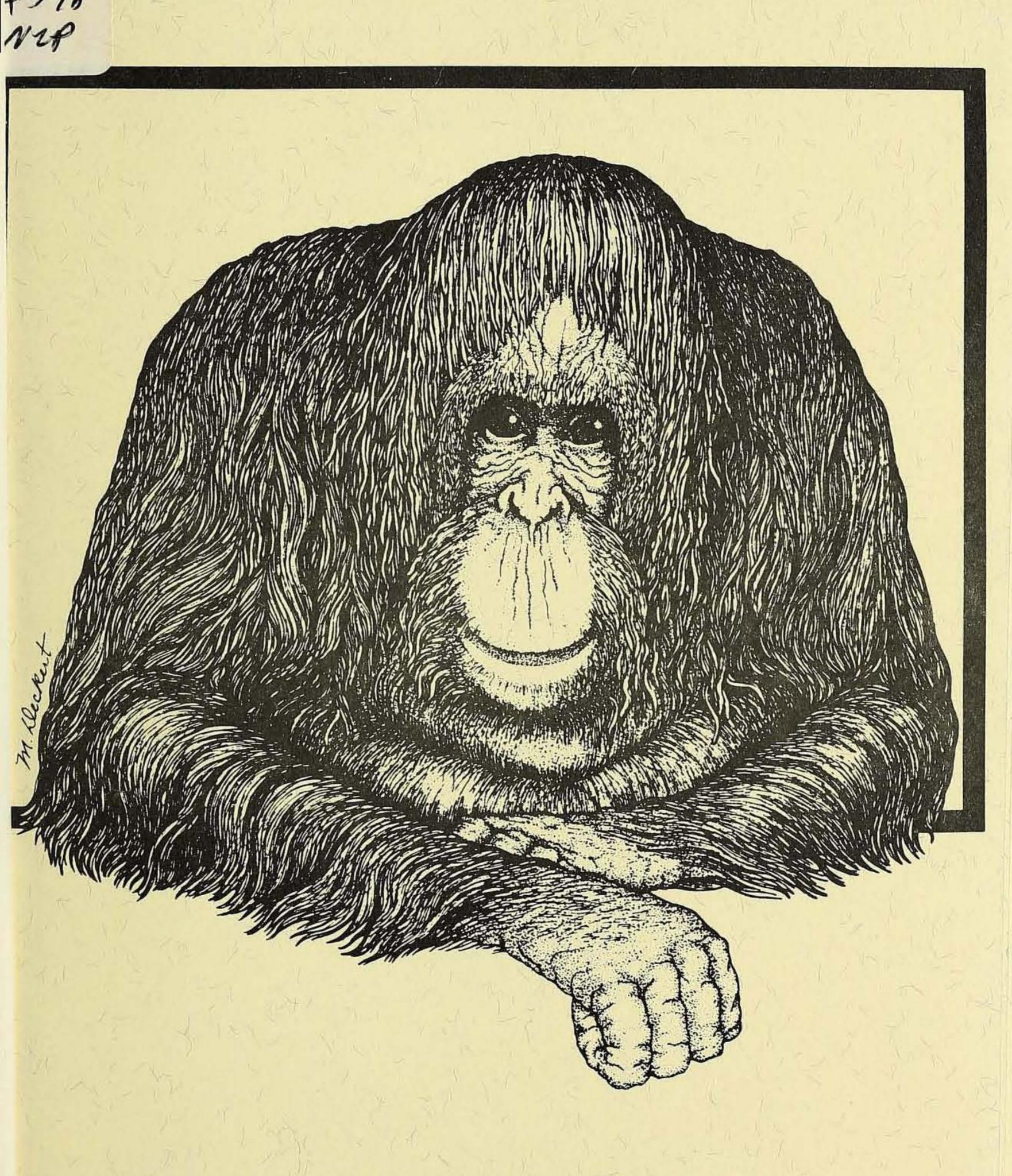
Animal Keepers' Forum



Dedicated to Professional Animal Care

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Articles sent to <u>Animal Keepers' Forum</u> will be reviewed by the editorial staff for publication. Articles of a research or technical nature will be submitted to one or more of the zoo professionals who serve as referees for <u>AKF</u>. No commitment is made to the author, but an effort will be made to publish articles as soon as possible. Lengthy articles may be separated into monthly installments at the discretion of the editor. The editor reserves the right to edit material without consultation unless approval is requested in writing by the author. Materials submitted will not be returned unless accompanied by a stamped, self-addressed envelope. Telephone or FAX contributions of late-breaking news or last-minute insertions are accepted as space allows. However, long articles must be sent by U.S. mail. Phone is (913) 272-5821 Ext. 31. FAX (913) 273-1980.

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Births & Hatchings



Buffalo Zoological Gardens (Buffalo. NY)...announces the following B&H from January 1992 to Sepember 1993:

Mammals - 1.2 Addax (Addax nasomaculatus) [E/SSP]; 1.0 Gaur (Bos gaurus) [E/SSP]; 7.10.11 Cotton-top tamarin (Saguinus oedipus) [E]; 9.7.12 Chinchilla (Chinchilla laniger) [E]; 8.7.2 Clouded leopard (Panthera nebulosa) [E/SSP]; 13.11 Markhor (Capra falconeri cashmirensis) [T]; 6.2 Roan antelope (Hippotragus equinus cottini) [T]; 0.0.1 Lowland gorilla (Gorilla g. gorilla) [E].

Birds - 2.1.9 White-crested turaco (Tauraco leuolophus) [U]; 2.0.3 Scarlet macaw (Ara macao) [T]; 0.0.2 Golden eagle (Aquila chrysaetos) [T] [release program]; 2.0.1 Whitenaped crane (Grus vipio) [E/SSP]; 0.2.5 Lady Ross' turaco (Musophaga rossi) [U]; 0.0.1 Cinereous vulture (Aegypius monachus) [T]; 0.2 Andean condor (Vultur gryphus) [E/SSP].

Reptiles - 0.0.1872 Puerto Rican crested toad (Peltophryne lemur) [E/SSP] [release program]; 0.0.3 Solomon tree skink (Corucia zebrate) [T] [1st time birth and twining for institution - 0.0.1 twin DNS]; 0.0.2 European glass lizard (Ophisaurus apodus) [1st time hatching for group and institution]; 0.0.6 Timber rattlesnake (Crotalus horridus) [E] [release program]. submitted by Sherri Doherty, Secretary, Western New York Chapter, AAZK, Buffalo, NY.

Sedgwick County Zoo (Wichita. KS)... reports the following significant B&H for 1993:

Mammals - 0.1 Columbian black spider monkey (Ateles fusciceps robustus) [CITES II - 1st for pair]; 1.0 Sumatran orangutan (Pongo pygmaeus abelii) [SSP - 1st for pair]; 1.0.1 New Guinea singing dog (Canis familiaris hallstromi) [1st for pair - 0.0.1 DNS]; 0.0.6 African wild dog (Lycaon pictus pictus) [1st for pair and zoo - SSP - 0.0.3 DNS]; 1.0 Black rhinoceros (Diceros bicornis michaeli) [1st for pair, zoo, state - SSP/E].

Birds - 0.0.1 Verditer flycatcher (Muscicapa thalassica) [1st zoological hatching]; 1.0 Large niltava (Nilvata grandis) [1st zoological hatching in U.S.].

Amphibians and Reptiles - 0.0.5 Neará poison dart frog (Phyllabates bicolor) [1st hatching for pair and zoo - CITES II - 0.0.4 DNS]; 0.0.87 Green and black poison dart frog (Dendrabates auratus) [CITES II]; 0.0.3 Spotted pond turtle (Clemmys guttata) [1st hatching for pair and zoo]; 1.1.15 Jackson's chameleon (Chamaeleo jacksonii) [1st for pair and zoo -CITES II - 0.0.14 DNS]. submitted by Joyce Kaplan, Chapter Liaison and Zookeeper, Sedgwick County Zoo, Wichita, KS.

Beloved Panda Tohui Dies at Chapultepec Zoo

The first naturally-conceived panda born in captivity outside of China, died in mid-November at Mexico City's Chaupultepec Zoo. The AP report said she died in her sleep at the age of 12 years. Pandas normally live up to 20 years in captivity. While no cause of death had been announced, Tohui had been diagnosed with a chronic intestinal inflamation. The panda's name, Tohui, means "child" in the language of Mexico's Tarahumara Indians. She had been a favorite of Mexican school children since her birth in 1981.

The History of Ngare Sergoi

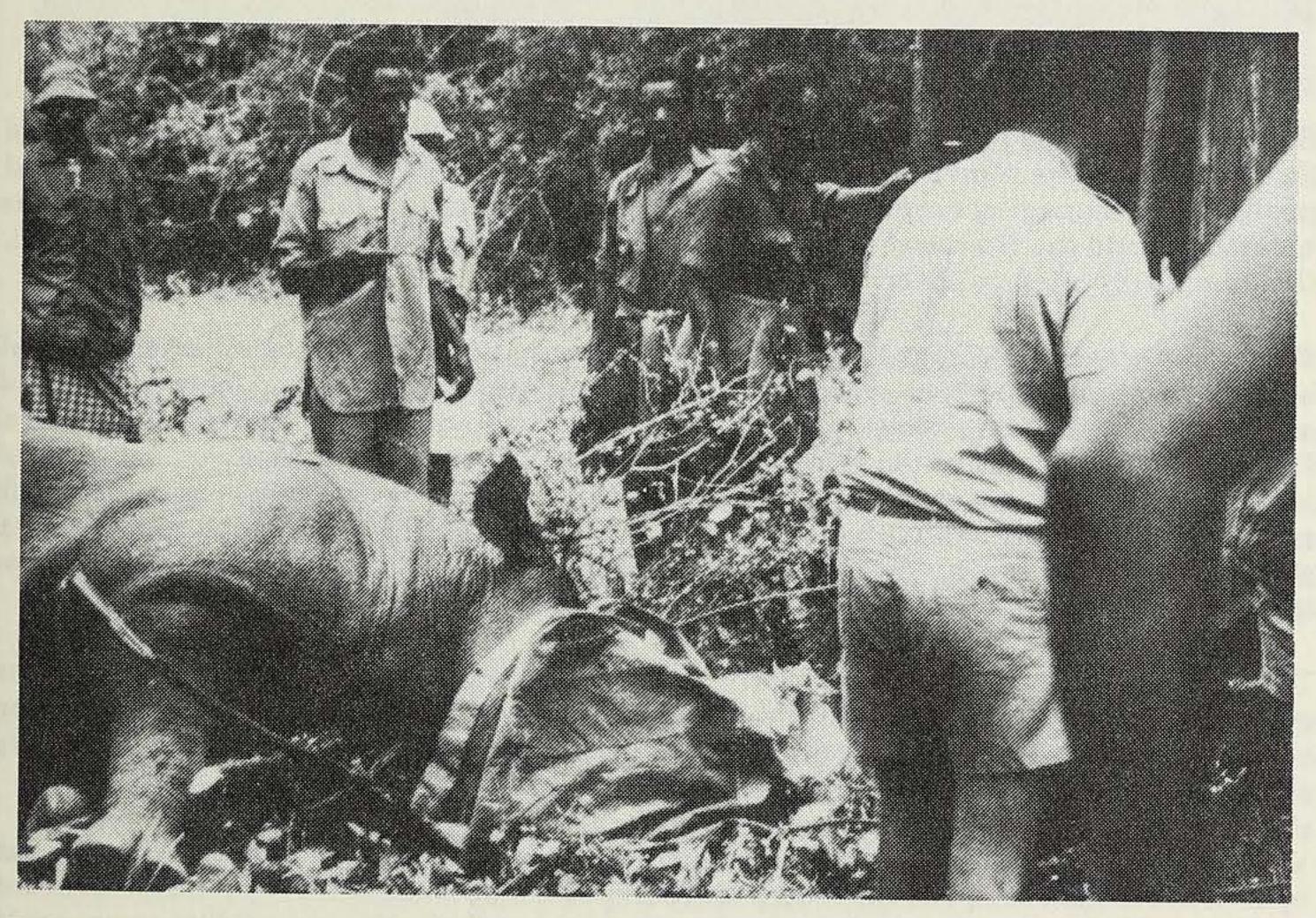
By
Ian Craig
Lewa Wildlife Conservancy

The concept of Ngare Sergoi and the goals for which AAZK, the Ngare Sergoi Support Group (NSSG) and Anna Merz have strived continue to expand and flourish to include a diversity of species and an entire ecosystem, way beyond our original dreams.

We started with a crisis situation of the Black rhino. They were being killed within the country to a point whereby the population could never recover. There seemed no solution to reverse this trend until Peter Jenkins conceived the idea of a small, high-security fenced area to contain the remnants of a once flourishing population, a holding situation until this trend could be reversed. The construction and development of Ngare Sergoi is a well-recorded history and the concept was a success. Animals brought in from isolated corners of Kenya with no chance of survival, let alone any prospect of breeding, flourished, bred and produced offspring. Where there had been despair there was suddenly hope and alternatives. Ngare Sergoi was a pilot project. The Kenyan Government realized that this was the only option and built two new rhino sanctuaries at Nakuru and Nqulia. Both of these sanctuaries have been successful, maintaining viable breeding populations of Kenya's Black rhino.

At Ngare Sergoi, together with the help of many supporters, the Sanctuary expanded to 10,000 acres from its original 5,000 acres. With the extended area the population could also expand. During this period, the Management Team developed new techniques in the management of the fenced areas, fencing designs and principles of Black rhino management in fenced areas.

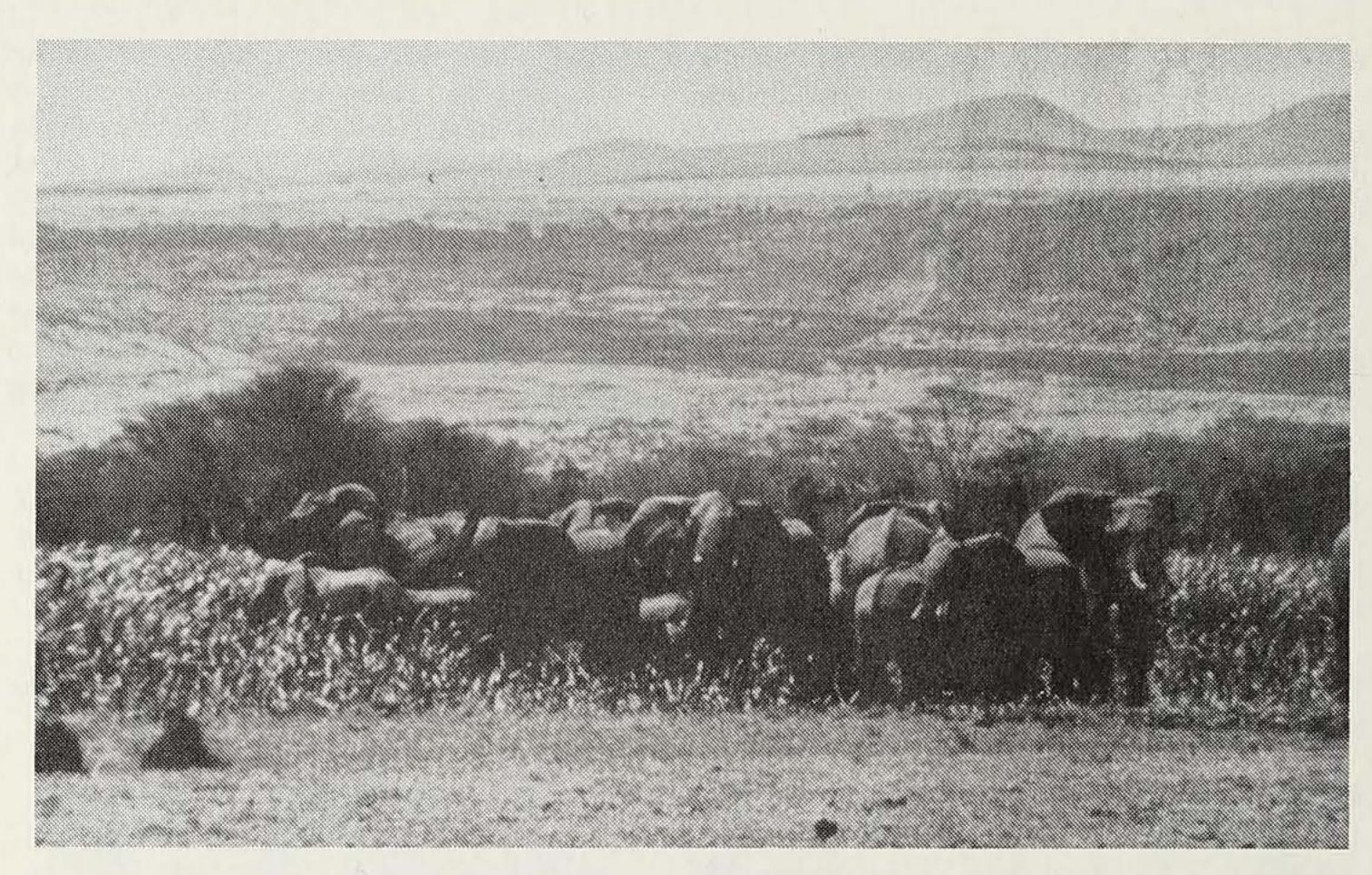
With the rhino situation both at Ngare Sergoi and nationally now stable, we were able to look at other areas within the ecosystem that required care and attention in this changing world.



Translocation of Black and White rhinos from areas in Kenya where they are threatened to the safe haven of Ngare Sergoi requires the coordinated efforts of many individuals, reliable truck transport, veterinary assistance and a bit of good luck. The Sanctuary currently houses 18 Black and 11 White rhinos and breeding efforts have been successful with both species. (Photo courtesy of Andy Lodge, NSSG, Inc.)

The History of Ngare Sergoi, Continued

Elephant were still under severe poaching pressure in the North of the country; small-holder farmers at the same time were having their very existence destroyed by crop marauding elephant in the south of Lewa and Ngare Sergoi. Together with the financial support of AAZK, NSSG, Anna, and many other individuals, the game guards from Ngare Sergoi started working in conjunction with the Kenya Wildlife Service on elephant surveillance in the Mathews Range. Since November 1990, no elephant have been poached in this area where previously in excess of 30 animals were being killed each year. This exercise continues and twice yearly our game guards spend extensive periods of up to six weeks in the bush just looking and listening in the remote area in order to keep these elephants safe.



Some 220 elephants inhabit the protected 10,000 acres which make up the Ngare Sergoi Sanctuary and the Ngare Ndare Forest Preserve. Because the elephants had caused problems by damaging crops of local residents, 52-acres of specially designed fence was erected around the Preserve to keep the elephants and agricultural interests separated. (Photo courtesy of Andy Lodge, NSSG, Inc.)

To the South, again AAZK and NSSG came to the rescue where the elephant damage to small holders' crops was extensive. Fifty-two kilometers of specifically designed fence was erected around the Ngare Ndare Forest, preventing the elephant from entering the agricultural area. Dr. Richard Leakey opened the fence, citing the project as a model of cooperation between the local community, Government and private enterprises. This fence was the first specifically built to contain this problem and it has been nearly 100% successful, with only one incident of an elephant breaking through. The elephant on one side and the local community on the other now live in harmony as opposed to conflict.

The concept of this fence, once again with AAZK and NSSG's help, expanded to include the entire area of Lewa Downs. With the increasing population of Kenya and the flourishing wildlife numbers within Lewa, again there had been conflict between small holder agriculture along Lewa's boundaries and the wildlife living on Lewa. This is now solved 100%.

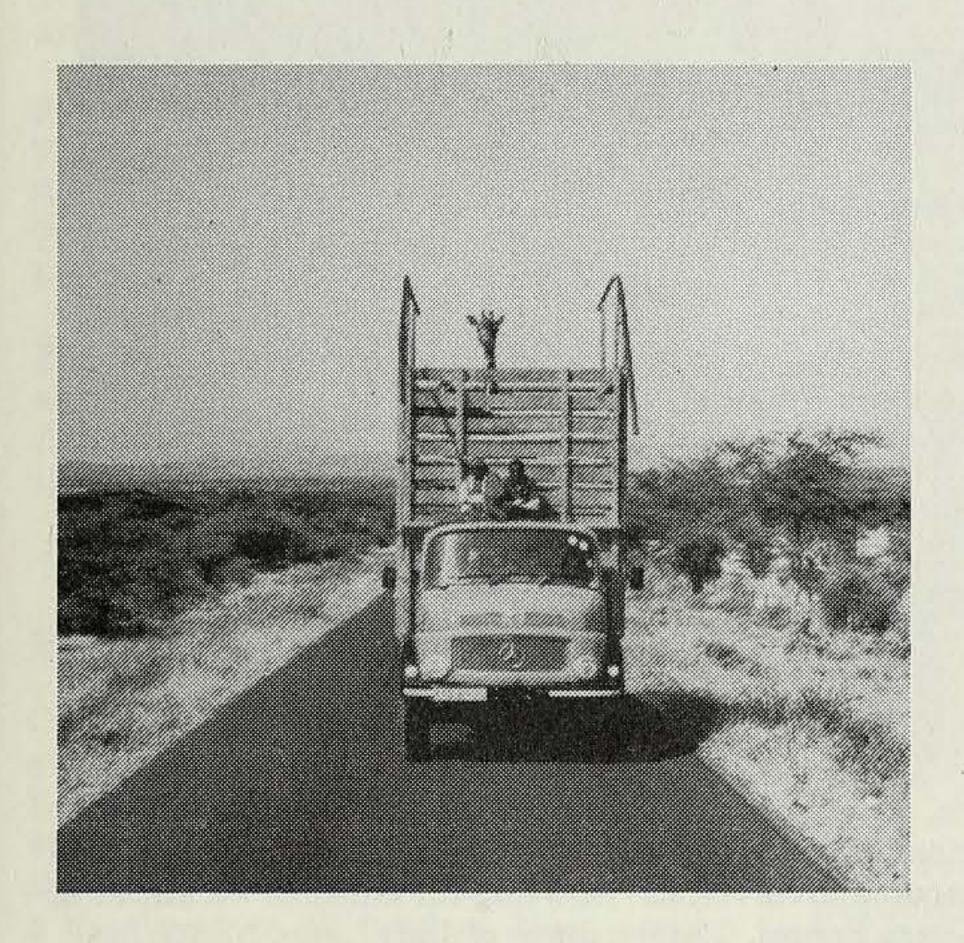
With Kenya's expanding populations, the pressure on wildlife areas increases. With this fact upmost in our minds, the Management Team of Ngare Sergoi next started to address the related problems. The community needed schools - it was a fact that adjoining wildlife areas would only be able to conserve their wildlife if it could be proved that wildlife provides a direct financial benefit to the local people and could improve their standard of living. School children born and brought up within 10 kilometers of wildlife areas had never seen an elephant. Financial assistance was sought and four schools are being constructed to modern standard. A

The History of Ngare Sergoi, Continued

plan is being formalized through the Kenya Wildlife Service to obtain World Bank funding for a small tourist lodge in the adjoining communal lands so the landowners can directly benefit from tourism and their wildlife.

The Ngare Sergoi lorry (truck) provided by AAZK, having completed the translocation of 184 giraffe, will be used to help transport materials to construct this lodge. The marketing, design and operation will be under the wing of the newly-formed "Lewa Wildlife Conservancy". The beneficiaries will be the local people and their wildlife.

Two to three school visits to Lewa are planned monthly with the AAZK lorry carrying up to 60 children on a sightseeing tour of the Conservancy. They will hopefully return home enriched and fascinated by what they see.



The lorry at left was purchased with funds from "Bowling for Rhinos". It has been used to translocate 184 giraffe which had overpopulated the Sanctuary. Current plans for the lorry include taking Kenyan schoolchildren on tours of the Lewa Wildlife Conservancy in order to increase their awareness of the animals indigenous to their country. Many children there have never seen a Rhino or an Elephant. The area is home to over 40 species of wildlife including Sitatunga and Grevy zebra as well as over 100 species of birds (Photo courtesy of Andy Lodge, NSSG, Inc.)

These are all the salient points for which we, together with AAZK and NSSG, strive to maintain and build upon. The other side is that rhino horn is in demand now more than everdemand is higher than the supply. There is a trade ban on ivory--this has helped but once again ivory is moving, albeit slowly, and will the ban hold beyond 1994? The fact remains that a trend has been severed, but to hold this stable costs money--no longer capital items to be purchased, but rather the day-to-day maintenance of what has been built up over the past 10 years. Such expenses include fuel, lorry tires, aircraft maintenance, radio repairs, as well as uniforms and wages needed for the hardworking staff who have devoted the prime years of their working lives to this cause.

The "Lewa Wildlife Conservancy" now had all the capital equipment and expertise required, thanks to the generous support of many individuals. It is a stated objective of the Conservancy to formulate a plan to be self-sufficient financially within five years and for the wildlife to directly support the machine required to give them their stability and peace. This is an ambitious goal, but on paper a possibility nevertheless. In the meantime, we ask for the continued support of AAZK to look after this varied and wonderful ecosystem.

The Conservancy now includes, under common wildlife policy, 145,000 acres (58,000 acres fenced) from a start of 5,000 acres. The staff employed has grown from one senior officer and 30 men to four senior officers and 160 employees.

The History of Ngare Sergoi, Continued

The recurrent budget has grown from \$3,500 per month to \$18,500 per month. The Conservancy now holds 18 black rhino, 11 white rhino, 220 elephants, 12 sitatunga, 390 Grevy zebras (being 12% of the remaining wild population in the world), at least 40 different species of wildlife and over a hundred different species of birds.

A full inventory of the plants is being collected by a research team from South Africa helping to formulate a long-term management plan to secure the future of this diversity.



Anna Merz, shown above with Samia, the rhino she hand-reared, has devoted her life to the preservation of the rhinos of Africa. Her dedication and commitment have inspired hundreds of AAZK members to become involved in "Bowling for Rhinos" - a national fundraiser which helps support Ngare Sergoi. (Photo courtesy of Andy Lodge, NSSG, Inc.)

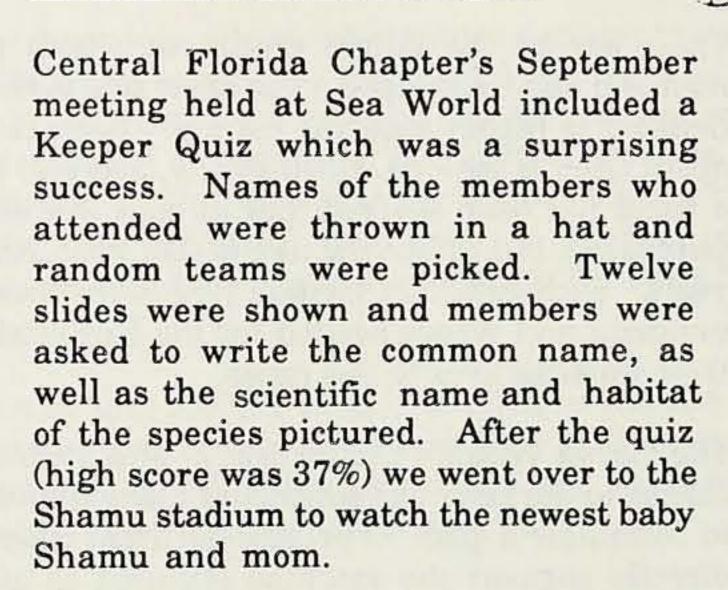
Chapter News

Attention Chapters!

Please keep us advised of your activities and projects. If you have not gotten into the habit of submitting news items to this column, we hope you will.

Share your ideas on fundraising and projects with other AAZK Chapters. Announce your new officers, present a new logo, make the other Chapters aware of your conservation efforts. Items for this column should be to us by the 15th of each month. Thanks!

Central Florida AAZK Chapter



Keepers from seven different parks came to the Fall Fling at the Springs Camp-out on 24 October at Silver Springs. Keepers from Silver Springs overwhelmed us with their warm southern hospitality. Activities included a barbecue, bonfire,

Chapter News, Continued

continental breakfast, and a behind-thescenes tour of the animal park. We thank all of the people who made the weekend a great experience.

At the November meeting nominations for new officers were made. President Mike Cothran wore his sacred flowered shirt and led the meeting for the last time. Mike's enthusiasm will be hard to replace. All of us thank Mike for the effort he has made over the past two years. Newly elected officers for 1994 are:

President.....Bonnie Brietbeil Vice Pres.....Jamie Sincage Secretary.....Nelia Lake Stephens Treasurer.....Nancy Schrader Liaison.....Alyce Orr

Finally, the Pot Luck Christmas Party at Bonnie's had the holiday spirits flowing with a turkey and all the trimmings. Have a Happy New Year!

-- Rick Smith, Florida RC

Western New York AAZK Chapter

Our second annual Bowling for Rhinos event was held on 22 June 1993 at the Broadway Sports Center. This successful event raised over \$1400.00 for the Ngare Sergoi Rhino Sanctuary. As a thank-you to all bowlers, they were given T-shirts with the AAZK Bowling for Rhinos logo on them. It was a fun time for all involved in this worthwhile event. A thank-you goes out to Catherine Meyer for coordinating this event.

Our Chapter, recognizing the importance of enrichment for the well being of the animals under our care, is trying to become more involved in this aspect of our duties as zoo keepers. We currently subscribe to the informative Shape of Enrichment magazine. One of our members, John Heine, attended the first ever Enrichment Conference held this July in Portland, OR, and gave a presentation on it at our November meeting.

We are also using money from fundraising events and donations, such as the donation of \$220.00 from Niagara Community College's Animal Management Program, to purchase tools for building enrichment devices and for purchasing enrichment items such as Boomer Balls® and different types of rope. We hope to keep experimenting with different methods to provide enrichment activities for the animals at our Zoo.

Funds are raised for our chapter through member dues, pop can recycling, numerous bake sales, as well as other fundraising efforts. Our chapter recently made a donation of \$250.00 to help improve a scenic overlook on the Iroquois National Wildlife Refuge. For our donation the name of our organization will be recognized on a plaque at the site.

-- Sherri Doherty, Secretary

Fort Worth Zoo AAZK Chapter

Below is the new logo recently adopted by the Fort Worth Zoo AAZK Chapter. The concept was developed by Lisa Weedn, a Bird Keeper II, and the artist was H.T.D. Weedn of the zoo's Education Department.

Enclosed with the logo was a note from Lisa which stated: "Being a zoo keeper means much more than taking care of individual species, we are all active participants in the international conservation, research and education projects that benefit our planet. We are Keepers of our world!



February 1994

Animal Keepers' Forum



Dedicated to Professional Animal Care

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Ngare Sergoi Sanctuary Update ...1993 in Review

from Anna Merz, Founder



In April of this year the Lewa Wildlife Conservancy came into existence, of which the Rhino Sanctuary is an important and integral part. Over the past decade Lewa Downs has become an ever increasingly important sanctuary for the beleaguered wildlife of the northeast of Kenya; not only for rhinos but also for elephants, the beautiful Grevy zebra of which about 10% of the world's population are living on Lewa Downs, and now even Sitatunga. A small population of these rare antelope were translocated to the Lewa Swamp when their habitat on the shores of Lake Victoria was taken for development. They have settled down well and are breeding.

The idea behind the creation of the Conservancy is to safeguard both the land and the wildlife on it. To prove that cattle and wildlife can exist together and to prove that multiple land use for semi arid rangelands is best for the land, the soil, the animals and the people; both those who depend on it directly, and those who live on the circumference. We also wish to develop the tourist potential of this place ourselves instead of letting out camping concessions. We want people to stay here long enough to learn about what we are trying to do; to not just go on game drives, but to enjoy the wonderful experience of viewing wild animals on foot, on horseback and with camels--to not just see but also to learn about what they are seeing so when they leave they leave not just as friends but as ambassadors for what we are trying to achieve.

Equally important is our desire that those who live on our periphery should also benefit from our efforts. To this end we want to develop cottage industries and handicrafts which will, in particular, help the women of the area. We want to increase our help to local schools and clinics. We want to bring school children in for game drives and talks; to educate some of our rangers in English so that they can share with our guests their great knowledge of the local plants and animals so that all expeditions become more of an exciting experience. Needless to say, to get this underway means money, but if we are successful in raising the required capital we all believe that with a great deal of hard work from us all, within five years the Conservancy could be financially independent, and that is our aim and ambition.

My big thanks this year are to all of you who have helped us in any and every way financially, with your ideas and with your encouragement. Thank you for coming to stay with me or for visiting with me. Thank you for all I have learned from you. In particular, I thank Andy Lodge and the Ngare Sergoi Support Group and Patty Pearthree and the American Association of Zoo Keepers, Inc. Where would we have been without you? Please continue to help us for a few more years and then I hope that we can not only stand alone, but also join with you to help other rhinos in other places. The whole of Lewa Downs and the Ngare Ndare Forest Reserve is now a rhino sanctuary. For being able to do this we are mainly indebted to AAZK and the Support Group. We have also received the wholehearted support of the Kenya Wildlife Service, who recently brought us four more male Black rhinos and we have been promised a further four female Black rhinos. As of now we have 18 Black and 11 White rhinos.

But please do not feel for one minute complacent about the future of the world's rhinos. The population in Zimbabwe has experienced the most appalling crash; it is now believed that fewer than 200 Black rhinos exist from 2,000 just two years ago. Dehorning of Zimbabwe rhinos has not worked, even the stub of horn left is worth killing the animal for. Within the last six weeks I have heard that between 70 and 90 dehorned rhinos are believed to have been poached in the Hwange Park. The trade in horn must stop. None of the range states, not even South Africa, are in a position to monitor a controlled trade. The only hope for the rhino is stopping the trade in horn and imposing sanctions on those countries--particularly

Ngare Sergoi Sanctuary Update, Continued

Taiwan-- or the consuming countries, China, South Korea, Thailand, and shamefully, still Hong Kong. In Taiwan, the big dealers are gambling on the rhino becoming extinct so that their stockpiles of horn will then become even more valuable. Please, everyone who reads this and cares about the rhino becoming extinct, boycott goods made in these countries named above, see your family and friends do likewise and exercise all the political and consumer pressure you can. We in the field can only operate a holding action until such time as the trade in horn is killed.

Samia, now nearly nine, was mated by Kenu in April. He was the rhino we captured south of Marsabit in January. He has also bred her several time subsequently, so perhaps next year I will be a rhino grandmum?? And the big question is, having been hand-raised herself, will she be able to cope with her offspring? Samia was also filmed this year for David Attenborough's new TV series so with any luck you may one day see her munching on the dry looking acacia brush on your TV screen. She has also caused a certain amount of consternation by bringing her boyfriend home to visit. On these occasions, fascinating as they are, no one can get either in or out of my compound.

At the end of September I fielded a kick from a horse that landed me in the hospital with three broken ribs and a punctured spleen. All now are thankfully mended and the credit side of this was a week's holiday on the coast for Pluto (Anna's dog) and myself. I had forgotten how lovely the Indian Ocean coastline is with its silver sands, palm trees and the lush vegetation. I couldn't swim but Pluto had fun once he got over his puzzlement at strange tasting waves and even stranger scuttering crabs, and his size ensured that no beach boys hassled me.

At the end of October the drought broke and we have now had six inches of rain and the eastern side of Lewa has had several inches more; the flowers are exquisite and the animals regain condition fast. Last month my friend Eva came out from Switzerland and we borrowed some camels from Charlie and went down to the group ranch in the north for a few days. There we are also trying to encourage the right sort of tourism to benefit the local people. Sitting on camels is a perfect way in which to enjoy both the animals and the landscape. Pluto, who accompanies us, had to learn that camels can kick at both ends.

A few days ago I had a very exciting experience watching Kenu mating Juniper. She is still living with her mother Juno as Juno lost her newborn calf last year. At first Juno did not agree with the attention her daughter was receiving and every time Kenu tried to mount Juniper, Juno knocked him off. Eventually, however, Juno went out of sight and Kenu mounted Juniper. It was a awe-inspiring sight and I and my two trackers were fascinated. I was taking notes when suddenly a huge snort behind us scattered us like three startled rabbits. Juno, whom we had forgotten, was not approving of Peeping Toms at her daughter's nuptials!

--Anna Merz



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by Darcy & Robert Folzenlogen

Visitor Information, Special Exhibits, Seasonal Festivals, Breeding Achievements, Research Activities

Available at zoo gift shops; or send \$18.95 to Willow Press, 6053 S. Platte Canyon Road, Littleton, Colorado 80123

Chapter News, Continued

Money was donated from our budget to help complete an in-house project in our reptile building. The money will help to renovate a desert exhibit which houses rattlesnakes, coachwhip and beaded lizards.

> --Sandra L. Robbins Chapter Liaison

Metro Toronto Zoo AAZK Chapter

Officers for 1994 are:

President.....Charles Gutherie lst Vice Pres.....Maria Franke 2nd Vice Pres.....Monica Wrobel Treasurer.....Mark Bongelli Secretary.....Karyn Tunwell Chapter Liaison.....Eric Cole Conservation Officer...Ariel Shamir

"Bowling for Rhinos" raised \$2720 last year. Our thanks to Lynn and Tom Saunders, and Heidi Manicki for taking on the job of organizing it all.

For Chapter meetings this year we are hoping to host four high profile guest speakers, one each on mammals, birds, herps and fish. We hope to sell tickets for these events and also to broaden our membership base.

We also intend to undertake some small local conservation project; we are looking at conducting a breeding bird survey of the local river valley.

Fundraising activities will be geared towards specific causes, thus focusing our efforts. We already have a few underfunded conservation organizations in mind to support.

Black-footed ferret T-Shirts, a major fundraising success, as they are sold in the zoo's gift shop now, are still available to the general membership. All sizes are \$15.00. Write to: M.T.Z. AAZK Chapter, P.O. Box 280, West Hill, Ont., M1E 4R5 Canada.

-- Eric Cole, Chapter Liaison

Topeka AAZK Chapter

Our new officers for 1994 are:

President.....Kayla Grams
Vice Pres.....Warren Waters
Secretary.....Tori Mason
Treasurer.....Stan Dibble
Liaison.....Darrin Webb

In February, Darrin and Tori gave a presentation on ecology to local junior and senior high youth groups. It was well received with everyone gaining just a little more knowledge about the world around them.

In April, our chapter participated in Bowling for Rhinos with the Kansas City Chapter. This year we will be hosting our own event.

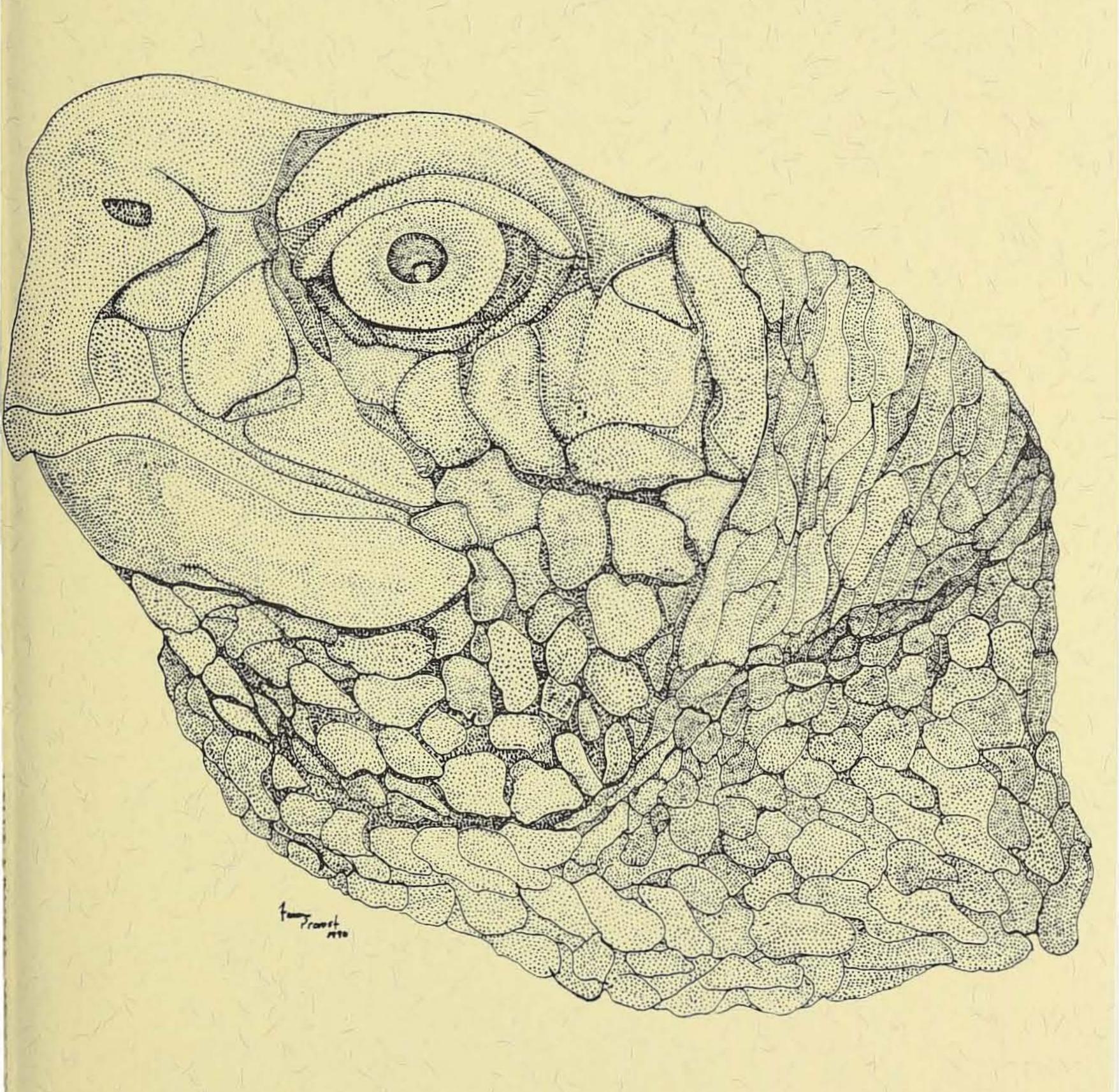
In June, we celebrated Conservation Weekend at the the zoo. Our Chapter set up an information booth featuring recycling, the Dian Fossey Gorilla Fund, and Rhinos. We sold hand, foot and body prints from various animals in our collection. That same weekend, Joe Collins, Director of Natural History at the Dyche Natural History Museum in Lawrence, KS, gave an interesting talk on convergent evolution for our Chapter and zoo staff.

Most of 1993 our showcase was dedicated to our zoo's rainforest, which was devastated by a fire in November of 1992. The money raised from our Spiral Wishing Well was used to purchase a bird release cage for the keepers to use when they began releasing birds back into the building.

At the present time our showcase has an Environmental Enrichment theme. Proceeds raised will go into a fund to be used by the zoo's Environmental Enrichment Committee.

Our Chapter helped send three members (Kayla, Tori, and Gretchen) to the National AAZK Conference in Atlanta, GA. Kayla and Gretchen and Michelle Acuña (Arizona-Sonora Desert Museum) gave an enrichment workshop and Kayla gave a paper on African lion management.

Animal Keepers' Forum A598 WAS



Dedicated to Professional Animal Care

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Coming Events, Continued

Association of Reptilian and Amphibian Veterinarians (ARAV)

October 22-23, 1994

Pittsburgh, PA

To be held in conjunction with the AAZV Conference listed above. This is the first conference for the ARAV and will include a general lecture session, a case report session and workshops on (1) basic reptile and amphibian medicine; (2) advanced reptile and amphibian medicine; and (3) pathology/necropsy techniques. For further information and registration materials contact Wilbur Amand at address given under AZA listing.

The Exploitation of Mammals

November 25-26, 1994

London, England

A symposium organized by The Mammal Society and Universities Federation for Animal Welfare. The major theme concerns the various ways in which mammal populations are exploited world-wide, the concept of sustainable use and the resulting welfare considerations for animals involved. Program includes sessions on Mammal Game Ranching, Mammal-oriented Ecotourism; Mammals in Zoos and Circuses; Sport Hunting of Mammals; and Mammal Wildlife Trade and Conservation. For further information contact Victoria Taylor at UFAW, 8 Hamilton Close, South Mimms, Potters Bar, Herts, England EN6 3QD.

Bowling for Rhinos Update

from Patty Pearthree, BFR National Coordinator Indianapolis Zoo, Indianapolis, IN



Thank you for all of your great efforts at raising money and holding "Bowling for Rhinos" (BFR) events in 1993. It is a great deal of work but we all know it is well worth it! Remember our goal this year is to exceed \$100,000. Money raised over this amount will be sent to Ujung Kulon National Park in Java, Indonesia to help save the last 47 Javan rhinos in the world and this unique ecosystem!

Please send your Chapter's check, financial sheet (from your BFR info packet) and a copy of your sponsor sheets to me as soon as possible after your event. In order to win the trip to the Ngare Sergoi Rhino Sanctuary or other prizes, all money must be mailed to me by 1 September 1994. Brunswick Corporation has donated five bowling balls again this year so the 3rd-7th money raisers will also win prizes.

Susan Chan has requested that all Chapters which produce a BFR item, please send a sample or a photo and description of the item to AAZK Administrative Offices, 635 S.W. Gage Blvd., Topeka, KS 66606-2066. These will be preserved in the Association's historical archives and provide a more complete record of Bowling for Rhinos activities.

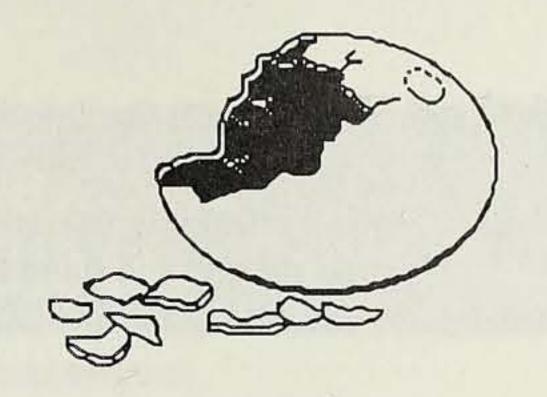
I now have BFR art, sample fliers, etc. on computer disks. If your Chapter would like a disk, please specify IBM or Macintosh and I will send you a free one. I will be unavailable from May 6-21, so call me with questions or sponsor sheet requests before or after these dates. I will be visiting Ujung Kulon gathering vital information for you during this time. Not to worry - this trip is not funded with BFR money. 100% of the money raised will continue to go directly to the sanctuaries. For anyone who would like more information on holding your own BFR Bowl-a-thon or any other information, please write:

Patty Pearthree c/o Bowling for Rhinos P.O. Box 199026 Indianapolis, IN 46219-9026

or call (317) 322-8723



Births & Hatchings



Folsom Children's Zoo. Lincoln. NE...announces significant B&H for 1993:

Mammals - 3.0.9 Rodriques fruit bat (Pteropus rodricensis) [E/SSP]; 0.1 Bactrian camel (Camelus bactgrianus) [DNS, lst for zoo]; 0.0.4 Pygmy marmosets (Callithrix pygmaea) [T]; 1.0 Red panda (Ailurus fulgens) [E/SSP].

Birds - 6.3 Lesser Magellan geese (Chloephaga picta picta) [1st for zoo, rare in zoos]. submitted by Debbie Baker, Chapter Liaison, Platte River AAZK, Lincoln, NE.

Denver Zoo, Denver, CO...announces significant B&H for 1993:

Mammals - 1.0 Black howler monkey (Alouatta caraya) [CITES]; 0.2 Colobus monkey (Colobus guereza kikuyuensis) [CITES II]; 0.0.1 Cotton-headed tamarin (Saguinus oedipus) [DNS - CITES I, E]; 2.0 Emperor tamarin (Saguinus imperator subgrisescens) [DNS - CITESII]; 2.0 Golden-headed lion tamarin (Leontopithecus rosalia chrysomelas) [CITES I, E/SSP]; 0.2 Pale-headed saki (Pithecia pithecia) [CITES II]; 1.1.1 Silvered leaf monkey (Presbytis cristatus ultimus) [1.0.1 DNS - CITES II]; 1.1 Amur leopard (Panthera pardus orientalis) [CITES I, E]; 0.1.4 Red panda (Ailurus fulgens) [CITESD II/SSP]; 0.1 Serval (Felis serval) [CITES II]; 1.0 Siberian tiger (Panthera tigris altaica) (CITES I, E/SSP]; 4.2.1 Addra gazelle (Gazella dama ruficollis) [1.1.1 DNS - CITES I]; 1.0 Black rhinoceros (Diceros bicornis) [CITES I, E/SSP]; 0.2 Bongo (Tragelaphus eeurycerus isaaci) [CITES III]; 0.2.1 Grevy's zebra (Equus grevyi) [0.0.1 DNS - CITES I, E/SSP]; 1.0 Hippopotamus (Hippopotamus amphibius) [DNS - CITES II]; 3.1 Roan antelope (Hippotragus equinus) [1.0 DNS - CITES II]; 2.4 Simitar-horned oryx (Oryx dammah) [1.0 DNS - CITES I, SSP]; 1.3.1 Red kangaroo (Megaleia rufa) [0.0.1 DNS -T].

Birds - 0.0.5 Bartlett's Bleeding Heart Dove (Gallicolumba criniger) [DNS - CITES II]; 0.0.5 Black-footed penguin (Spheniscus demersus) [0.0.4 DNS - CITES II; 0.1.1 East African crowned crane (Balearica regulorum gibbericeps) [0.0.1 DNS - CITES II]; 1.2.6 Galah (Eolophus roseicapillus) [0.0.5 DNS - CITES II]; 0.0.3 Ostrich (Struthio camelus molybdophanes) [DNS - CITES II]; 2.1.6 Roul-roul (Rollulus roulroul) [0.0.4 DNS - CITES III]; and 0.0.1 Scarlet ibis (Eudocimus ruber) [DNS - CITES II]. submitted by Vickie Kunter, Chapter Liaison, Rocky Mt. Chapter, Denver, CO.

Detroit Zoological Park and Aquarium (Royal Oak/ Detroit, MI)...announces the following significant B&H for 1993:

<u>Mammals</u> - 0.0.2 Japanese macaques (*Macaca fuscata*) [T]; 0.0.1 Matschie's tree kangaroo (*Dendrolagus matschiei*)[SSP]; 0.1.2 Red kangaroo (*Marcropus rufus*) [T].

<u>Birds</u> - 0.0.9 Trumpeter swan (*Cygnus cygnus buccinator*) [0.0.5 donated to Michigan Department of Natural Resources for reintroduction program; 0.0.4 DNS]; lst hatch for facility and pair(s) include the following: 0.0.3 African spoonbill (*Platalea alba*); 0.0.9 Black spur-winged goose (*Plectropterus gambensis niger*); and 0.0.2 Blue and yellow macaw (*Ara ararauna*).

Reptiles - 0.0.20 Emperor newt (Tylototriton verrucosus) [U].

<u>Fishes</u> - 0.0.12+ Charco palma pupfish (Cyprinodon longidorsalis) [recently discovered species known to be critically endangered]; 0.0.100+ Desert goby (Chlamydogolius eremius) [U]; 0.0.50+ Desert pupfish (Cyprinodon macularius) [E];

Chapter News, Continued

We have also voted to continue support of Pundreeka Rao, a keeper from India who we correspond with regularly via Sue Barnard. A scrapbook has been sent to his zoo covering our lengthy friendship.

The Chapter sponsored a coffee break at the International Orangutan Conference in San Diego. We would like to take this opportunity to encourage other chapters to sponsor activities at workshops and conferences to further keeper continuing education whenever possible.

-- Michelle Schireman, Chapter Liaison

Greenville Zoo AAZK Chapter

New officers for 1994 are:

President....Janie Raxter Vice President....Dana Accetta Secretary.....Sherry Crose Treasurer.....Anke Meyer Chapter Liaison....Lisa Thomas

Our Chapter has not been very active since we had Bowling for Rhinos in July 1993. We raised \$1473.86 for BFR - our best effort yet. Many thanks to Julie Long (volunteer) who was our Chairperson, she did a great job. We would also like to thank the Friends of the Zoo Board of Directors who matched our donations.

We are still raising most funds from recycling aluminum cans. So far this year we have donated \$200.00 to South Carolina Heritage Land Trust Program. We plan on donating more throughout the year.

Dr. Raymond Fay III, our new Veterinarian, spoke at our 25 February meeting. Thank you and welcome, Dr. Fay!

-- Lisa Thomas, Chapter Liaison

Fort Worth Zoo AAZK Chapter

The Fort Worth Chapter started in July of 1993. We had an overwhelming response by the staff and had quite a few first-time AAZK members enroll to initiate the Chapter.

In October we held our first fundraiser. We had a used book sale held on the Zoo's 'Dairy Day' event in the 'Texas!' Exhibit.

Books of all kinds were collected from zoo staff and docents. We raised \$450.00 which was donated to the Hope Zoo in Jamaica to help with the Jamaican iguana program.

We have had several speakers so far. Our first program was by Dr. Doug Pernikoff, our veterinarian. Doc showed slides from his work in Nepal with Asian rhinos, as well as a documentary produced for PBS about Asian rhinos. Ken Seleske who works in the Zoo's Education Dept. showed us slides from his trip to Tanzania last summer. Ken titled his talk 'The Big Cats of Africa'. Lastly. Tarren Wagener, Conservation Assistant presented a slide program about her involvement with the Red Wolf reintroduction program in the Great Smoky Mountains.

During the month of February, we held our second fundraiser, an Arts and Crafts sale in conjunction with the opening of The Fort Worth Zoo's art gallery. The zoo owns the largest collection of original oil paintings by the German artist Wilhelm Kuhnert (1865-1926), one of the first Europeans to go to Africa and paint animals in the wild instead of at a zoo or menagerie.

Despite the threatening skies the sale went on as planned. There are quite a few talented people on our staff as well as volunteers, all of whom donated something for the sale. In three days we raised \$650.00 which will be donated for a cause to be decided at a later date. We would like to thank all of the artists who donated their items for the sale. It was a big success!

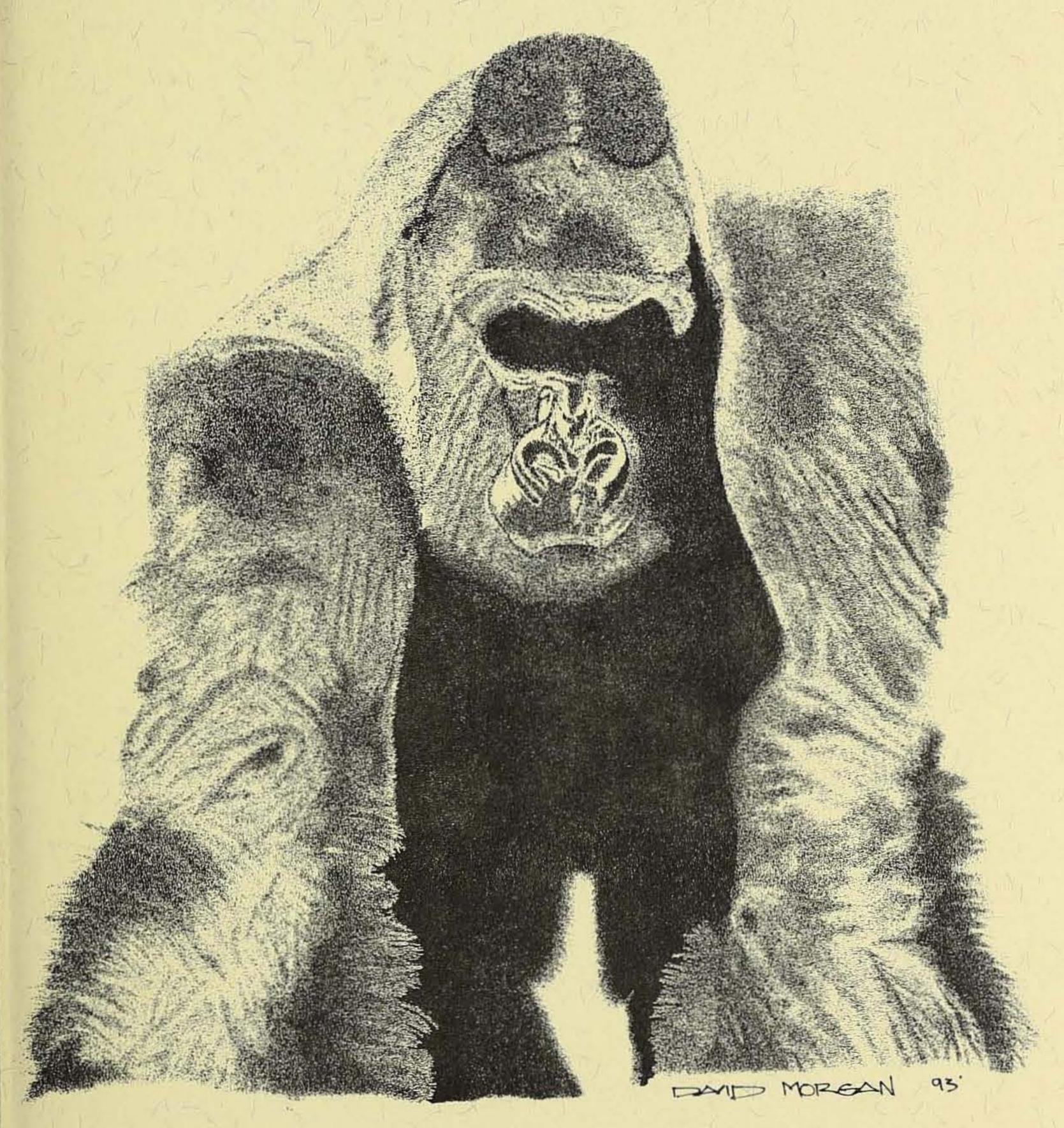
-- Natalie Mashburn, Secretary

Greater Cincinnati AAZK Chapter

On 25 & 26 February, our Chapter hosted a positive behavior training seminar which featured Ted Turner, Sea World of Ohio animal trainer and Ted Molter, Sea World public relations representative. On Friday night, two free lectures were given and we also had a wonderful potluck banquet. Mr. Turner talked about behavior training techniques and also showed several videos produced by Sea World on positive behavior modification.

Continued on Page 152

Animal Keepers' Forum



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Book Reviews (Evolutionary Biology of Transient Unstable Populations/Wild Cats: Lynx,

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Legislative Outlook, Continued

This is the USFWS's first grant program to focus primarily on nongame wildlife (species not generally hunted or fished) that are not protected under the Endangered Species Act. It also has a unique funding source comprised of an equal combination of federal, state, and private monies.

Under the new program, priority consideration is given to projects involving species considered at risk of becoming threatened or endangered. Other activities eligible for funding include surveying and monitoring declining wildlife populations, habitat improvement projects, educational efforts to increase public awareness of wildlife and habitat values, and projects providing opportunities for noncomsumptive wildlife-associated recreation such as nature photography and wildlife viewing.

Examples of the 58 Partnerships for Wildlife projects funded in 1994 include:

- Developing a plan for cooperative management of neotropical migrant songbirds in Kentucky, Tennessee, and Alabama;
- · Conducting an inventory of native fishes of the Colorado River system;
- Studying mammals in the Greater Yellowstone Ecosystem, such as lynx, fisher and wolverine;
- Surveying and monitoring of the Sonoran Desert population of the desert tortoise;
- And improving habitat of grazed pastures in Wisconsin for declining populations of grassland birds.
 >Department of the Interior News Release, 3/15/94

U.S. Imposes Trade Sanctions on Taiwan

Wildlife conservationists applauded the introduction in March of a bill to help preserve rhinoceros and tigers and ban some imports from countries that trade in these animals. The tough measure would give \$10 million to Zimbabwe and other African and Asian countries with rhinos and tigers and mandate trade sanctions that would put pressure on China, Taiwan and South Korea. In April the U.S., for the first time ever, imposed trade sanctions to protect these species. The Clinton Administration applied sanctions against Taiwan for refusing to halt the sale of tiger bones and rhinoceros horns. The sanctions will involve a ban on all Taiwanese wildlife product exports to the United States, which amounts to about \$25 million a year.

The world tiger population, which was 100,000 at the turn of the century, is below 6,000. In 1970, there were more than 65,000 African black rhinos and today fewer than 1,800, with no more than 10,000 of all five speies left. The rhinos only enemy is man.

"This is the first time any country has acted on the international call for trade sanctions to protect endangered species, but if the illegal trade in rhinos and tigers is not eliminated, these species could be extinct in five years," President Clinton said in a statement.

"I am delighted that the U.S. has taken the lead in this worldwide battle to save the rhinoceros and tiger before it's too late," Diane McMeekin, head of te African Widlife Foundation, said. "This action may make the difference between future generations seeing rhinos in parks or just in picture books."

The Clinton administration's Interagency Rhino/Tiger Task Force had considered sanctions against China as well because that country, along with Taiwan and South Korea, is considered to be among the worst offenders. But the administration apparently did not want to open another rift with the Chinese.

>excerpted from Eco Notes, the Topeka Capital-Journal, 18 March 1994

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Animal Keepers' Forum



showing preorbital gland

Dedicated to Professional Animal Care

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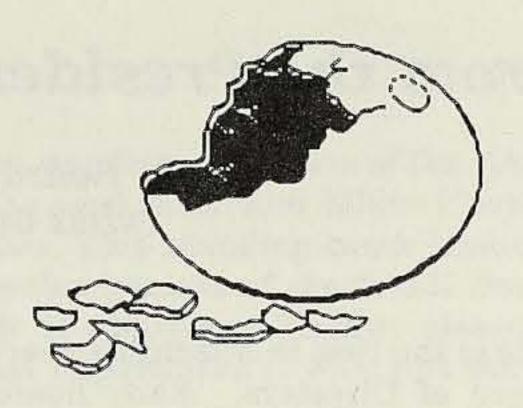
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Births & Hatchings



Caldwell Zoo (Tyler, TX)...announces the following significant B&H from January through December of 1993:

Mammals - 3.2 Cheetah (Acinonyx jubatus) [E/SSP]; 0.2 Grevy's zebra (Equus grevyi) [T/SSP]; 1.0 South American tapir (Tapirus terrestris) [E]; 0.1 Black rhinoceros (Diceros bicornis) [E/SSP]; 0.1 Bongo (Tragelaphus eurycerus isaaci) [U]; 1.1 Gunther's dik dik (Madqua guentheri smithi) [U].

Reptiles - 0.0.20 African spurred tortoise (Geochelone sulcata) [1st time for pair and facility]; 0.0.10 Crevice spiny lizard (Sceloporus poinsetti) [1st time for facility]. submitted by Connie Dieringer, President, Caldwell Zoo AAZK Chapter, Tyler, TX.

Reminder of Proper B&H Format: Those submitting Births & Hatchings are reminded that such submissions should follow the format illustrated above in the Caldwell Zoo listing. We have created four categories which we hope will streamline information. Only animals which fall within these categories should be included in your report. Note the category designation in brackets after each entry. The categories are as follows:

- 1. Endangered (E); Covered by SSP (E/SSP)
- 2. Threatened (T)
- 3. Uncommon in Captivity (U)
- 4. Significant to institution
 - a. (first time birth)
 - b. (first time birth from pair)
 - c. (diet change)
 - d. (husbandry change)
 - e. (exhibit change)
 - f. (other)

Each animal listed should include common name, scientific name and should then be followed by appropriate codes. Descriptions under the "significant to institution" category should be kept brief. We hope that those people who wish to expand further on the circumstances surrounding a significant birth or hatch will consider writing an article for <u>AKF</u>. Such articles need not be lengthy, but will allow for more details on significant B&H. We would also encourage the submission of black and white photographs to accompany either B&H submissions or separate articles.

Finally, the <u>deadline for submission of B&H material has been changed</u>. All material for B&H column must be submitted no later than the 10th of every month. We thank you in advance for your cooperation and we would like to hear your comments on how you like this format.



Bowling for Rhinos Update

submitted by Patty Pearthree National BFR Chairperson Indianapolis Zoo, Indianapolis, IN.



In addition to supporting the Ngare Sergoi Sanctuary in Kenya, Bowling for Rhinos will now support the Ujung Kulon National Park in Java! The proposal that passed at the 1993 National Conference was that the first \$100,000 we raise each year will continue to go to Ngare Sergoi. Any additional money raised will now go to Ujung Kulon through the "Adopt A Park" program set up by Ron Tilson, Director of Conservation at the Minnesota Zoo. However, if a crisis should arise at Ngare Sergoi, such as a forest fire, we will be able to send all our money to Ngare Sergoi that year.

Ujung Kulon is a 300-square mile National Park that is home to the last 47 Javan rhinos in the world. Its annual running costs are \$50,000 to \$75,000, so \$5,000 to \$10,000 would go a long way in saving this ecosystem! Java is an island of Indonesia in the Asian Pacific which harbors one-eighth of the world's mammal, bird, reptile, amphibian and plant species. Ujung Kulon is home to some of the rarest plants and animals on earth. Some 40 mammal species are known to inhabit the park. In addition to the Javan rhino, the Javan gibbon, two species of leaf monkey and the Javan tree shrew are found nowhere else in the world. Other inhabitants of the park include Flying lemur, Banteng, Wild dog, Binturong, Asian small-clawed otter, 250 bird species, Green sea turtle, Saltwater crocodile, and more than 50 rare plant species.

To begin relations with Ujung Kulon, AAZK, Inc. donated \$5,000 on 31 January 1994. This was money that was recovered from the dissolution of the Toledo AAZK Chapter. Toledo had intended the funds to go to rhino conservation so this was a great start. I will be visiting Ujung Kulon May 6-20 so I can give everyone an update at the conference in Omaha. (Editor's note: Patti's trip is privately funded and does not use any BFR monies.)

For additional information on holding your own BFR Bowl-a-Thon or any other information, please write:

Patty Pearthree c/o Bowling for Rhinos P.O. Box 199026 Indianapolis, IN 46219-9026

After your BFR event, please send checks made out to "AAZK, Inc. - Bowling for Rhinos", a financial statement (a blank one will be sent to you upon request or they may be found in your information packet), and a copy of all sponsor sheets to the above address. If your Chapter produced a T-shirt, button, poster, etc. for BFR '94, please send either a sample or a photo of the item with pertinent information to the AAZK Administrative Offices, 635 S.W. Gage Blvd.,

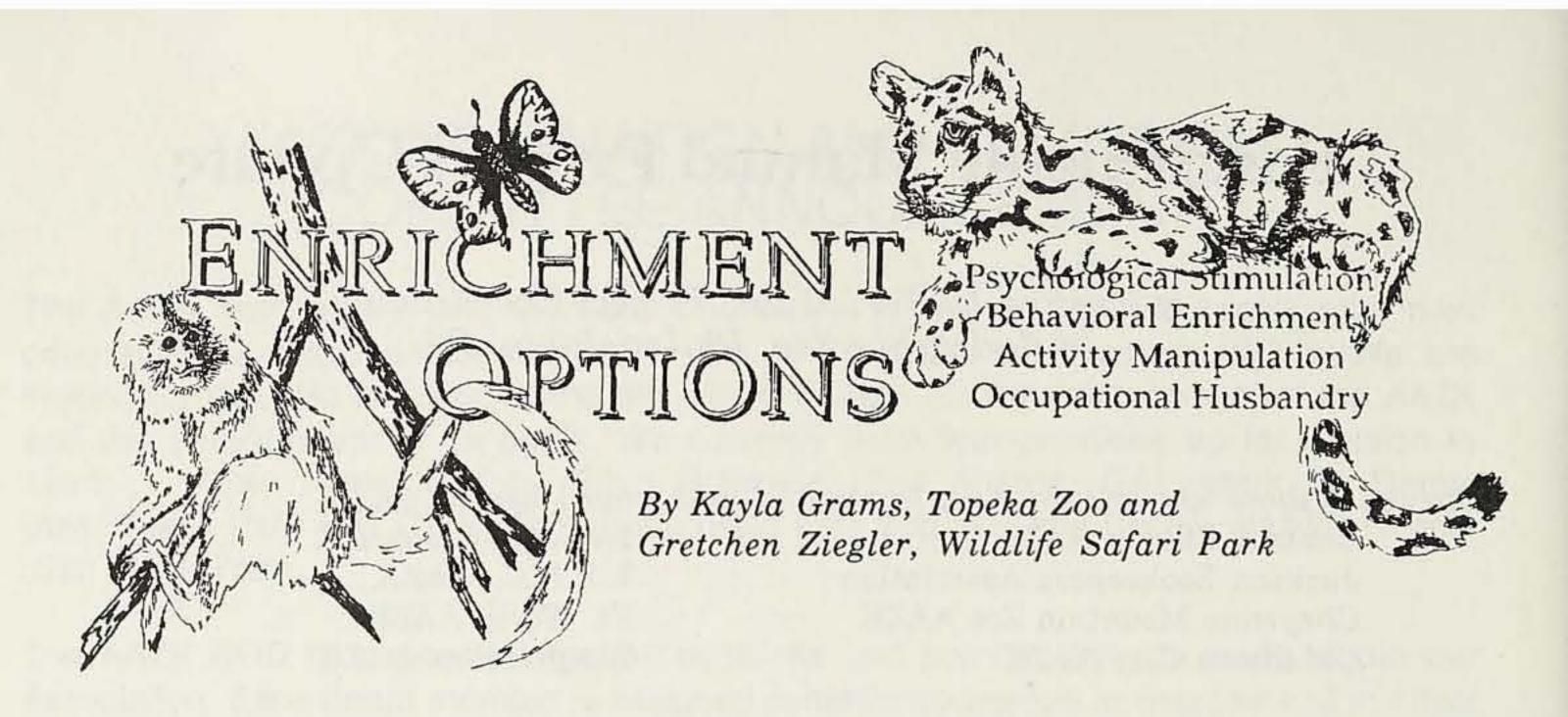
Topeka, KS 66606-2066 for the historical archives.



or call: (317) 322-8723

Florida's Key Deer Making Comeback

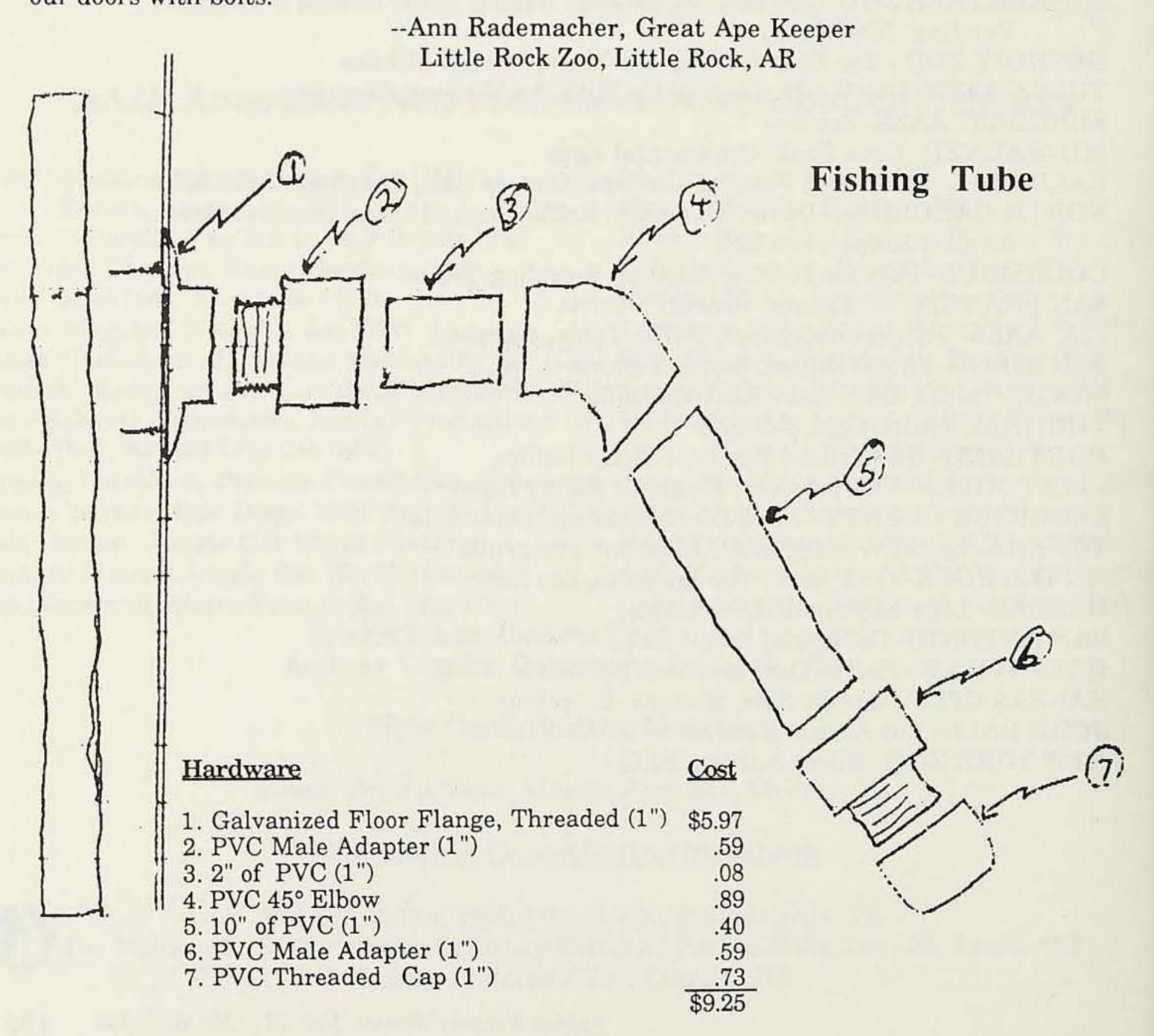
Brought back from the brink of extinction over the last 50 years, miniature Key deer in Florida represent a qualified success story in the troubled history of people-animal relations. You see them in quiet neighborhoods in the evenings, hanging around the houses like living lawn statuary. The 300 or so Key deer, found nowhere else, are preserved in part by an extensive series of government-mandated protections ranging from low (and strictly enforced) speed limits to restrictions on development. Key deer, which average just over two feet high at the shoulder, are closely related to the full-size Virginia white-tailed deer. (from Eco Notes, The Topeka Capital Journal, March 18, 1994).



APES - The large plastic barrels available from most car washes are one of our favorite items. Once they are thoroughly rinsed, we use them with all apes. Intact, they are used as drums, pedestals to sit on, and display items. Filled with water, food items which float are placed in them providing long periods of activity. With one or both ends cut off, they are used to recline in. Best of all, they are usually free and virtually indestructible.

In addition to, or as a replacement for seeds and raisins scattered in the exhibits for forage items, we like to use frozen mixed vegetables and canned fruit cocktail in light syrup. These are both low in fat.

We also use 'fishing boards', hardly an original idea. One of our docents, Jeff Johnson, made them for us after seeing a video of them at other zoos. He has provided a drawing and price list for a simple fishing tube, which when mounted to a board can easily be mounted to our doors with bolts.



Enrichment Options, Continued

HIPPOS - If you want to see the capabilities of the massive jaws of the hippo, toss in a large watermelon and watch the melon disappear in seconds (it only takes one good bite).

TIGERS, LIONS, POLAR BEARS - All these animals enjoy wrestling with an empty beer keg. Place the keg into their pools and it will float causing quite a challenge for the tigers and bears or leave it on dry land for the lions to stalk and wrestle.

RHINOS - try giving them a bowling ball, beer keg, or large log to push around. Although you may not see them using these devices right away you should eventually begin to notice them being moved from day to day.

RAVEN - We give our raven an ear of corn with the husk still on. He likes to shuck it, then hide for later. We also drill holes in logs and stuff raisins in them for him to hunt and peck out.

--Kimberly Widner, Conservation Research Assistant Knoxville Zoo, Knoxville, TN

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"I Heard It In The Long Call"

By Rachél Watkins Rogers, Sr. Keeper/Mammal Dept. San Diego Zoo, San Diego, CA

Have you heard about THE LONG CALL? Yes, it is a vocalization of the male Orangutan (*Pongo pygmaeus*), but now it's a newsletter for Orangutan keepers and other interested individuals! a meeting of some 20 zoo keepers with global interest in Orangutans attended the "International Conference on Orang utans: The Neglected Ape" held in Fullerton, CA from 5-7 March 1994. This was the second conference of its kind and the first held in the United States.

Keepers from two zoos in Australia, one in England and 20 American zoos attended. Some keepers shared their work with delegates representing scientists, veterinarians, zoo managers, conservationists and government officials from Southeast Asia by presenting papers or posters. This unique conference was organized by students at California State/Fullerton and staff of Zoo Atlanta and the zoological Society of San Diego.

If you are interested in contributing an article, ordering a subscription (Orangutan keepers receive a copy free, others must subscribe for a donation of \$5.00) and/or for further information write to: Suzanne M. Husband, Editor, THE LONG CALL, Toledo Zoo, 2700 Broadway, Toledo, OH 43609 Tel: (419) 385-5721, Ext. 258.

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