



Taxonomic name: *Loxodonta africana knochenhaueri*

Family: Elephantidae

Common name: East African bush elephant

Order: Proboscidea

**Current information**

Sex: Female Sire ID:  
 Birth type: Wild Born Dam ID:  
 Birth Location: Mombasa Quarantine (USDA) Rearing: Unknown  
 Birthdate-Age: ~ 1971 - ~36Y Hybrid: Not a hybrid  
 Time since last Acq: 31Y,0M,18D as of report end date

<u>Date in</u>	<u>Acquisition - Vendor/local Id</u>	<u>Holder</u>	<u>Disposition - Recipient/local Id</u>	<u>Date out</u>
18 Mar 1976	Trade from FERNDAL / UNK	TOPEKA / 002176		

<u>Date</u>	<u>Identifier type</u>	<u>Identifier</u>	<u>Location</u>	<u>Comments</u>
18 Mar 1971	House Name	TEMBO		
18 Mar 1971	Regional Studbook #	113	AZA	

<u>Date</u>	<u>Note type</u>	<u>Comments</u>
18 Mar 1976	Price	006000
18 Mar 1976	Delivery	0800
18 Mar 1976	Daily Report Data	Same sex grouping
17 Feb 1995	Daily Report Data	Trimmed about three inches of tusk to balance her & to reduce the amount of damage done to structure and other elephant.
5 Apr 1995	Daily Report Data	Sunda observed playing with zebra placenta, Tembo seemed afraid of the zebra placenta and would not go near it.
28 Jul 1995	Daily Report Data	Pulled hose thru drain hole in back wall, septic tank guys left it draped across drain, she consumed approx. 2 ft of hose.
2 Aug 1995	Daily Report Data	A ventral edema was noticed and reported yesterday to RLB. Today it was more localized and firmer - notified RLB.
16 Jan 1996	Daily Report Data	Weight 8400 lbs, gain of 400 lbs. since 1993.
29 Aug 1996	Daily Report Data	The elephants were introduced into their new yard at 1330. Initially were taken into the yard with the keepers, no electricity. After 10 min., they were brought to the new line up point near the cement patio, the wire was put up the electricity was turned on and the elephants were released. They ran around for 10 min. Tembo pulled down a branch from outside the yard. Both elephants touched the fence around tree & move back quickly Sunda grazed. Shut fence off & called girls, they roared and ran we went out to middle of yard & called, they came over. After about 2 hrs, they hung around door so we watered them, they played in the mud and went to end of yard and grazed. Shut off electricity and called them. They wouldn't come, went to middle of the yard and called then walked them over to new line up position and walked them in. It was actually rather uneventful but that's o.k.
31 Aug 1996	Daily Report Data	Did well lining up at patio & being released at 1000 hrs. and did excellent at 1545 by coming from SE corner of yd on second command of "come here. .move up" Good job and only 3rd day.
1 Sep 1996	Daily Report Data	Had to go into yard and get them, they wouldn't come over to patio Mike Y. yelled and they roared and moved toward far end of yard.
2 Sep 1996	Daily Report Data	Waiting at porch today but lined up on 3rd command and came in.
3 Sep 1996	Daily Report Data	Because of 3rd trial were only given their standard hay & water.
8 Sep 1996	Daily Report Data	Have not had the appropriate staffing or time to bathe them or work on their feet for the past 3 days. Sunda needs foot work



		very badly. Need to schedule soon.
11 Sep 1996	Daily Report Data	<p>Has shorted out wire around stand of elms. Increased number of aggressive signs (temporal gland touching, goring ground, trunk flinging) at keeper after watering sessions. Has learned she can touch insulated handle on the door wires.</p> <p>Spends 30-40% of time from 1400 hrs by the patio, just standing. Tembo "purrs" when keeper is in visual range in back aisle while Sunda "dances". Personally feels that newness of yard has worn off and they are looking for interaction to break monotony after they have eaten and drank their fill. Something they were use to and was taken away without transition or any substitute provided.</p>
12 Sep 1996	Daily Report Data	<p>She was observed at 1630 to have a mucous like substance dripping from her vagina.</p> <p>Stood by the back door today for approx. 2 1/2 to 3 hours. I noticed her at 0930. There was hay in the yard. as I pass the door she put her trunk up and purred, soliciting for something.</p>
15 Sep 1996	Daily Report Data	<p>Bringing in elephants at 1645, both came to door in line up Sunda went in, Tembo started to go in with TAT the balked and backed out of doorway. She proceeded to furiously "throw a fit" in yard. She backed up and fell on knees, swung her trunk, drove her tusk in to ground, mock charged, head shook and aggressive behaviors repeatedly. We switched elephants when Sunda was taken into the stall and eye contact was lost between them both roared and spun repeatedly. Sunda frantic inside stall, ramming walls walls, spinning wildly, roaring, charging door. Twice ran thru hippo stall and back outside. TAT had to yell at MAY to get out of way of Sunda. Treats were tried with Tembo did not work. It appeared at first that Tembo was frightened for whatever the reason and would not come in.</p>
1 Oct 1996	Daily Report Data	<p>Elephants were brought in, found a pipe the elephants had partially dug up. Inside the pipe is the hot wire that goes from the outside fence to the tree in the middle of the yard. I didn't see which elephant was responsible, maybe both.</p>
29 Dec 1996	Daily Report Data	<p>Approx. 10 min observed Tembo in a rage. Anus protruding, tail rigid - continuous trumpeting. She was kicking the Hippo door w/ hind leg and head butting it. She head butted Sunda once and and kicked her twice. Sunda did not respond and remained w/her head in the corner by the keeper door. Tembo was still kicking the hippo door when I went to call Coker.</p>
4 Apr 1997	Daily Report Data	<p>Got a hold of hose from back aisle - ate part of it - not sure how much was consumed. May also have eaten plastic repair parts. [[CAH]]</p>
14 Apr 1997	Daily Report Data	<p>The elephants knocked down the three small trees that were in their yard (previously had hot wire around them) but yesterday they ripped the hot wire off and seemed to enjoy their self induced enrichment. Both transfers went well today. [[JLB]]</p>
14 Apr 1997	Daily Report Data	<p>The transferring went better today except for Sunda trying to stop Tembo from coming into the stall. She was not as aggressive toward the new people (Lisa, Steve &amp; Jason) The chaining went extremely well. [[SCM]]</p>
16 Apr 1997	Daily Report Data	<p>They have been spending quite a bit of time around the little hot wire fence surrounding the gas main - not sure if they are messing with the fence or not. The fence charge today was reading 2.5</p>
20 Apr 1997	Daily Report Data	<p>Found a 6 inch piece of pipe near the tree that has hot wire around it while I was cleaning the yard. Later found a 3 foot piece of copper wire on west side of yard near fence. [[JLB]]</p>
20 Apr 1997	Daily Report Data	<p>While waiting for Sunda to make it into stall, Tembo got very excited and agitated - trumpeting, charging, kicking the keepers door, playing with the leg chains. Finally she went back outside and come in after Sunda. Calmed down immediately when both elephants were in the stall. She did bend the brommels on both legs chains which we then had to replace before we could chain her. [[CAH]]</p>



21 Apr 1997	Daily Report Data	Soaked both front feet twice today for 10 minutes w/betadine solution. Merle also trimmed some of her front left pad. [[JLB]]
26 Apr 1997	Daily Report Data	We walked around elephant yard before trying to transfer the elephants out and found 2 feet of wire (probably of the chain link variety) and three rusty nails. [[JLB]]
28 Apr 1997	Daily Report Data	The stall was bedded down with shavings to try and absorb urine. The elephants seemed to enjoy it. Shaving baths. [[LRB]]
5 May 1997	Daily Report Data	Sunda is feeling better, she is becoming less aggressive towards SCM, JB and LB. She hit Tembo once in the morning when transferring and that was it. Her foot looks better, but still does not want to go out in the yard. She did stay on the patio from 1030 to 1145. The hippo door was close that goes to the outside. She stayed there 1 hr and 15 min. [[SCM]]
13 Jun 1997	Daily Report Data	Today Jason, Steve, and Cathy were able to do all the foot soaks on Sunda and two on Tembo's right side. The fence was at 5.4 volts. [[SCM]]
15 Jun 1997	Daily Report Data	Both elephants were very nervous during storm and at first, trumpeting and roaring alot then seemed to calm down a little. [[MS ]]
22 Jun 1997	Daily Report Data	The past few days have been getting more and more difficult to transfer the elephants out after servicing their yard. Today Tembo refused to go out when sent. She stayed inside the elephant stall and banged on doors with hind legs, threw feces on walls and rammed the elephant/hippo door with her head. She was also very vocal during this entire episode. It took Jason and I a good 20 minutes to finally get her move into the yard. While Tembo was inside Sunda was out. Jason was trying to hold her on station for the transfer when Tembo would trumpet, Sunda would break and then charge the cable fence toward Jason and actually touch the fence while throwing her trunk out. She did this about 10 different times and on two instances she actually grabbed the fence with her trunk. The fence was measured before putting elephants out and it measured from .04 - 5.6. After the transfer was completed the fence was measured again and it measured between .04 - 6.6. The entire transfer took the two trainers 50 minutes to complete. [[LRB]]
23 Jun 1997	Daily Report Data	The transfer back out into yard was difficult again. Sunda came out fine but Tembo stayed in elephant stall. After 5 minutes, Sunda broke from her station with me to go check on Tembo, I walked around yard to a position where I could see into the hippo stall and called to Tembo. Sunda charged me, hit the fence with trunk. She was okay for a minute, then went for the door and charged me again as I called Tembo. She put her trunk through the 2nd and 3rd wire extending thru it a foot or so then when she got shocked, she backed off (30 feet) squealing, went in to elephant stall and Tembo and her came out. The transfer took approx. 20-30 minutes. [[JB ]]
20 Jul 1997	Daily Report Data	Sunda is showing more aggression towards Tembo. Today when I released them to go inside Sunda pushed Tembo into a large hole in the yard. Tembo had somewhat of a struggle climbing out with all of the mud & water. [[JBL]]
4 Sep 1997	Daily Report Data	Tried from 1515 to 2030 hrs to transfer Tembo to yard. She ripped the door down on the elephant stall and it is hanging by one roller pen. Both elephants were chain in the stall SCM watched them all night and Sunda did come off once and MDC put the chain back on around 2330. They were fine the rest of the night. The hippos exhibit couldn't be clean because of the situation. [[SCM]]
6 Sep 1997	Daily Report Data	Both elephants were successfully transferred this morning around 0815. After two days of trying, Tembo was the one who would not go out but both walked right out today. [[JLB]]
9 Sep 1997	Daily Report Data	Today was the first day we did chaining outside. Tembo did really good. She brought her front foot right up by the fence. MDC did get Sunda chained and she would not get very close to chain, but MDC did get the chain on her. Only chained the front leg on each elephant. JB was the trainer for Tembo and LB was the trainer for Sunda and MDC was the mechanic. [[SCM]]
14 Sep 1997	Daily Report Data	Very aggitated today and showing a lot of aggression towards me (snotting & head lunges) she spent a lot of time near the door to the building. [[JLB]]
20 Sep 1997	Daily Report Data	Discussed bring them in tonight because of cold weather w/ MDC and NAC but they decided they shouldn't be brought in. [[JLB]]
21 Sep 1997	Daily Report Data	The elephants were doubled chained in the yard today while it was serviced. Z10 was taken into the yard also both elephants did fairly well with the whole process but they did get restless towards the end. [[JLB]]
22 Sep 1997	Daily Report Data	We were able to do footwork on Tembo's back feet today, 28 and 29, Nancy and Merle did the pad work. Tembo presented her feet through the cables and rested them on the platforms. She held steady very



		well. [[JLB]]
23 Sep 1997	Daily Report Data	The elephants were not transferred again today because Sue was in their stall. It was determined by 28 and 23 that the weather would not be a factor in bringing them tonight [[JLB]]
24 Sep 1997	Daily Report Data	SCM said he observed both elephants shivering in the yard when they gave them grain and hay in the morning. LRB and myself noticed a small accumulation of mucous in the corners of the eyes of the elephants. Sunda was also observed blowing liquid from her trunk as if to clear a passway. [[JLB]]
24 Sep 1997	Daily Report Data	The elephants were moved inside today and left in overnight due to weather and yard conditions. The transfer went very smoothly without any problems after 18 days without a transfer into the building. [[JLB]]
24 Sep 1997	Daily Report Data	In the a.m. both elephants were shivering and Sunda had mucuous in the corner of her eye and her stomach muscle by her hip was twitching. Told the vet about it at 900, observed this at 0830 by the elephants. [[SCM]]
25 Sep 1997	Daily Report Data	Were transfered out this p.m. after doing footwork on Sunda. [[LRB]]
26 Sep 1997	Daily Report Data	The elephants were transferred in today for about 2 hours. The yard was very muddy and wet, NAC and MDC decided to put them out overnight. They transferred out very well. [[JLB]]
27 Sep 1997	Daily Report Data	Left in the yard all day and all night because Peka-Sue is in their stall. [[JLB]]
1 Oct 1997	Daily Report Data	Elephants brought in at 12:45 for the day and overnight so that the shade/shelter structure can be put up in the morning. [[JLB]]
7 Oct 1997	Daily Report Data	The elephants dug up and tore out the plastic PVC pipe and copper wire that runs from the electric box in the building to the fence. The fence was not functioning and the elephants were left inside overnight. [[JLB]]
25 Oct 1997	Daily Report Data	Tembo would not transfer outside today. The first time we tried she got very excited (kicking keeper door, ears out, trumpeting, etc.) After 15 min. we brought Sunda back in and locked them in. We tried again in the afternoon w/MDC but she wouldn't go outside again. Therefore the stall was not serviced and they were left inside overnight because of bad weather. [[JLB]]
26 Oct 1997	Daily Report Data	Tembo would not transfer outside today (two days in a row). She stayed in elephant stall and hippo stall trumpeting, kicking keeper door to the elephant stall, checking out elepahnt stall door, basically all wounded up during the attempted transfer. Sunda was brought back in and they were both left in the stall. [[JLB]]
29 Oct 1997	Daily Report Data	The elephants are locked outside on exhibit tonight because of the installation of the new elephant doors. The area under the awning was bedded heavily with brome and a heater was placed on the north side of the exhibit. [[LRB]]
29 Oct 1997	Daily Report Data	The elephant are locked outside on exhibit tonight because of the installation of the new elephant doors. The area under the awning was bedded down heavily with brome and a heater was placed on the north side of the exhibit. [[LRB]]
30 Oct 1997	Daily Report Data	The elephants are spending the night outside tonight due to the construction of the new elephant doors. [[LRB]]
2 Nov 1997	Daily Report Data	Tembo has white mucous in both of her eyes. Sunda has watery eyes. [[LRB]]
4 Nov 1997	Daily Report Data	Tembo and Sunda were both shivering the entire day today. Tembo still has mucous in her eyes. [[LRB]]
4 Nov 1997	Daily Report Data	Tembo would not transfer inside today. The elephants were given access due to Tembo's unwillingness for some unknown reason to transfer. [[KRB]]
5 Nov 1997	Daily Report Data	Tembo would not transfer in today after two attempts of trying to get her to move up and touch a target (a long target) with her front pads. It was difficult to get a target near her front feet from behind the metal gate in the isle. We had a meeting today and discussed the situation and it was decided that the elephants would have access to the building over night. This is the eight day that the elephants have either had access or been locked out over night. [[LRB]]
6 Nov 1997	Daily Report Data	We tried five times during the day to bring Tembo inside using verbal commands, targets and bribing. We were unsuccessful. It was decided that she would be winched in, due to the number of days she had been out. No success with the training attempts and weather condition. The procedure went very smoothly with the help from the staff. She was pulled into the hippo stall and then walked into the elephant stall on her own. Her appetite in the stall was normal and she seemed to be doing fine when we left. [[JLB]]
7 Nov 1997	Daily Report Data	Tembo's appetite is very good. She responded to training but was a little slow on commands. The



		matter in the corners of her eyes is gone. I did not observe her shivering and her stools are still loose. [[JLB]]
7 Nov 1997	Daily Report Data	The elephant were given access to the hippo stall from 4 p.m. until morning. I only observed Sunda in the hippos stall before I left. [[JLB]]
9 Nov 1997	Daily Report Data	We tried to transfer the elephants out around 9:30 to 10:30. Tembo wouldn't go outside. She did move half way into the hippos stall (Her two front feet in but not her back feet). Sunda was transferred back in and they were locked in their stall w/access. [[JLB]]
10 Nov 1997	Daily Report Data	Sunda was transferred outside today, Tembo was double chained in the stall and the stall was serviced. LRB held Tembo in front of the stall while JLB, NAC, DMS and FLP cleaned. Tembo remained fairly clam and didn't show any aggression during the process. [[JLB]]
11 Nov 1997	Daily Report Data	The elephants were not transferrred outside today because the contractors were working on the outer door. They were given access to the hippos stall over night. [[JLB]]
12 Nov 1997	Daily Report Data	Tembo appears to be stiff on her right leg. She is not bending her knee very well when asked for her "foot front". [[KRB]]
13 Nov 1997	Daily Report Data	Tembo would not transfer out so the decision was made by the vet to go in and clean one side with her double chain on the other end and vice versa for the other side. It took a while to get Tembo to chained up, but she finally did. She was rather content for a while until the end. She did move around with the food to where she was facing the people in the stall with her ears out and grumbling. Trainer had to tell people 7 times to get out before they did. [[CM ]]
14 Nov 1997	Daily Report Data	Tembo would not transfer out of the elephant stall. She had her two front feet in the hippo stall, trunk reaching into the back aisle and back feet close to the threshold but still would not move into or through the hippo stall. [[JLB]]
15 Nov 1997	Daily Report Data	Tembo transferred out at 8:00 this morning and in at 8:30. Nothing was done differently. It was a normal transfer, I had Sunda and MDC had Tembo. She went right out and was rewarded heavily. [[JLB]]
16 Nov 1997	Daily Report Data	Tembo transferred out and in again today without a problem. [[JLB]]
17 Nov 1997	Daily Report Data	Tembo transferred out at 2:00 p.m. Today but would not transfer back in at 4:45 p.m. We tried until about 6:15 using several techniques without success. NAC was advised early on and came down to observe and offer help. Because we tried several times and had no success NAC said to give them access. [[JLB]]
18 Nov 1997	Daily Report Data	Tembo would not transfer into the building at 8:00 a.m. or 2:00 p.m. She still refuses to move through the aisle and hippo stall. LRB and myself met with MDC and NAC to discuss the situation and they advised us to give them access to the hippo stall overnight. [[JLB]]
20 Nov 1997	Daily Report Data	We tried to transfer Tembo at 6:30 but she only came to the concrete pad w/one front foot in the aisle. We then tried to get a chain w/ a rope connected to a winch to move her in but she wouldn't allow the chain to be secured on either front leg. After a few attempts at this it was decided to given them access overnight. [[JLB]]
20 Nov 1997	Daily Report Data	Tembo would not transfer this a.m. [[LRB]]
21 Nov 1997	Daily Report Data	Tembo would not transfer in again today. We tried at 11:30 and 2:30. She came up to the concrete pad but no real progress towards coming in. NAC, MDC, and KRB said we should give them access overnight. Training sessions are limited to Sunda to motivate Tembo to come inside for better food rewards. Their hay and grain is being placed in the hippo stall and [[JLB]]
21 Nov 1997	Daily Report Data	Tembo has white matter collecting in the corners of her eyes, she was observed shivering w/ deep pronounced shivering present. She doesn't act as alert as she normally would. [[JLB]]
22 Nov 1997	Daily Report Data	I observed Tembo shaking and deep pronounced shivers throughout the day. She did not stop as the temps warmed up into the 40's her attitude is abnormal, head held lower, trunk resting on the ground not moving at a normal pace to station. MDC was advised and observed some of these behaviors. [[JLB]]
22 Nov 1997	Daily Report Data	We placed chain ankletts on Tembo's front legs as directed by MDC and the steering group. She held well for this process and showed no signs of aggression when they were placed on her legs. [[JLB]]
22 Nov 1997	Daily Report Data	The elephants were given access to the hippo stall and elephant stall overnight. Their hay and grain was placed in the hippo stall and back aisle as directed by the steering group. [[JLB]]
23 Nov 1997	Daily Report Data	We made three transfer attempts today, 7:30, 10:00 and 3:30. All three attempts were unsuccessful with Tembo moving her front feet into the aisle and stopping. She would not respond to the "move up" or "come here" command to move inside. KRB was present for all three transfer attempts and NAC was



advised of the situation. As directed by the steering group guidelines the elephants were given access to the two stalls overnight. [[JLB]]

23 Nov 1997	Daily Report Data	Tembo is moving fairly slow today. She was shivering throughout the day and not very active. During the afternoon she stayed mostly at the north side of the yard sleeping and/or standing w/her head held low and trunk resting on the ground. Sunda was close by or standing right next to her frequently as I checked on them throughout the afternoon. The chain anklets placed on both front legs are not causing any physical problems. [[JLB]]
24 Nov 1997	Daily Report Data	Tembo was pulled in this p.m. by the winch truck. The procedure went smoothly. [[LRB]]
25 Nov 1997	Daily Report Data	Sunda was transferred out this afternoon while Tembo was doubled chained inside. The unit was cleaned by Braddon and Merle while I (Lisa) held Tembo on station. Nancy video taped the procedure. This comment added to IDs: 002176, 19766A [[LRB]]
26 Nov 1997	Daily Report Data	Tembo and Sunda were both transferred out today at 10:30. The elephant stall was cleaned and then the elephants were sent to be transferred in, Sunda came in but Tembo refused. The elephants were then sent back outside and given a 1 hour break. We then tried to send both elephants back inside but Tembo refused. Sunda was then double chained inside and Kathy B. held her on station. Branddon and chained Tembo outside to a pillar. A rope was attached to Tembo's chained and she was pulled in manually. I called Tembo from in front of the elephant bars while Kathy B. held Sunda. Tembo entered the building without much struggle at all. The procedure went fairly smoothly with the exception of not having enough elephant chains. Dennis video taped the procedure. [[LRB]]
27 Nov 1997	Daily Report Data	Sunda was transferred outside today from 2:00-3:00. Tembo was double chained inside and the stall was cleaned, one half at a time around her. Tembo stayed focused on me and the process went very smoothly. [[JLB]]
27 Nov 1997	Daily Report Data	NAC checked Tembo's ears. Tembo presented her left ear in a kneel position with trunk up. Her right ear was looked at from a distance. Some desensitization (touch by NAC) was done on her left ear. Tembo did very well (stayed calm and cooperative). [[JLB]]
28 Nov 1997	Daily Report Data	Sunda was sent out from 2-3. Tembo was double chained inside and the stall was cleaned around her. She was a little aggitated today, paying attention to people cleaning (NAC & SCM) more than yesterday. Otherwise the process went quickly and smoothly. [[JLB]]
30 Nov 1997	Daily Report Data	Sunda was sent outside from 3:15 - 4:00. Tembo was double chained inside and the stalls was cleaned accordingly. Tembo stayed calm. I cleaned it while LB stayed with Tembo. [[JLB]]
1 Dec 1997	Daily Report Data	Tembo was transferred outside today. She broke station immediately after the chain was removed and walked outside ignoring my commands. She stood on the pad and I tried to call her in but she stood there. Then I was heading out to call her in the yard and she walked back in on her own. I sent her back out after Sunda was taken off chain and they both went out. During the transfer in Tembo was sent first. She stopped on the pad. I called to her, she moved up with her to front feet in the aisle and stopped. I continued to call her and she placed one foot in the hippo stall and couched down. Then after a few seconds she placed her second front foot in the hippo stall and then moved up more after she had her body in the aisle she raised up and walked in with her head high, ears out and rumbling until she reached me. Sunda came in after her and both elephants were given baths. [[JLB]]
2 Dec 1997	Daily Report Data	Tembo was doubled chained inside today while Jason and Merle cleaned the elephant stall. [[LRB]]
3 Dec 1997	Daily Report Data	Sunda was transferred outside this a.m. and Tembo was double chained inside while Merle and Steve cleaned the elephant stall. The procedure started at 10:00 and ended at 10:50. Merle acted as a mechanic while I gave commands and Steve held Tembo and Sunda. [[LRB]]
4 Dec 1997	Daily Report Data	We attempted to transfer Tembo outside today, but she would only go out onto the concrete pad and not across the yard. Therefore, we double chained her inside and cleaned the stall around her. She did go out onto the pad four times but not into the yard. [[JLB]]
5 Dec 1997	Daily Report Data	Tembo transferred outside today, walked across the yard and held on station for MDC. Initially she walked out onto the concrete and pad after Sunda passed by. She walked back into the hippos stall. MDC continued to call her. She came back out onto the pad and walked over to MDC on station across the yard. After the stall was cleaned she transferred back in. She walked right in without hesitation. They were both out a minimal time frame (20-25 minutes) while the stall was cleaned. [[JLB]]
6 Dec 1997	Daily Report Data	Tembo transferred outside and back in today. She went without hesitation both times. [[JLB]]
7 Dec 1997	Daily Report Data	Tembo transferred outside and back inside today very easily. Both elephants were outside for 30 minutes while the stall was cleaned. [[JLB]]



8 Dec 1997	Daily Report Data	Tembo refused to transfer out this morning. She was double chained and the stall was cleaned accordingly. She stayed calm and the process went smoothly. [[JLB]]
9 Dec 1997	Daily Report Data	Sunda transferred out this morning, but Tembo refused. Tembo was doubled chained inside and the stall was cleaned by Merle and Jennifer. [[LRB]]
10 Dec 1997	Daily Report Data	Tembo refused to transfer out this morning. She became excited, trumpeting, wide-eyed, temporal glands streaming, tussing the floor, head held high and ears out. She as consequently doubled chained in the stall but she showed aggression (hit the protective barrier 3 x) before she would be chained. Once she was on chains she calmed down and the cleaning process went smoothly. [[JLB]]
10 Dec 1997	Daily Report Data	Has a scrape on the outside lower lip right side. She also has a cut on the inside of her lip. Same area. [[DMS]]
10 Dec 1997	Daily Report Data	When I asked Tembo to kneel during an afternoon training session she went down on ther knees and tilted her head to the side and a clear liquid dripped from her ear canal. It was her left ear. Her behavior appears to be normal [[JLB]]
12 Dec 1997	Daily Report Data	Temb transferred outside this morning. She went out right away but waited on the concrete pad while Sunda started across the yard and then she followed. They were out 30 min. while the stall was serviced. She transferred in without hesitation. [[JLB]]
12 Dec 1997	Daily Report Data	Both elephants were double chained inside today while the contractors worked on the stall door. Both elephants did fairly well. They were on chains form 11:15 - 3:15. MDC and myself held them. They were given produce, alfalfa pellets, hay and elm branches. [[JLB]]
12 Dec 1997	Daily Report Data	Tembo didn't transfer outside as well today. She went out onto the pad and then back inside. She came back out onto the pad but took another couple of minutes to walk across the yard. [[JLB]]
13 Dec 1997	Daily Report Data	During Tembo's bath she passed some fecal material that appeared abnormal, upon its removal some twine was found in it. Her behavior appears normal as well as her appetite. When I left at 4:15 she had passed more fecal matter. MDC left a message w/NAC about this and we will continue to monitor Tembo. [[JLB]]
13 Dec 1997	Daily Report Data	Tembo transferred outside and inside today very well without hesitation through the hippo stall. She carried a boomer ball back inside with her. [[JLB]]
14 Dec 1997	Daily Report Data	Tembo's appetite, fecal passage and fecal material all appeared normal. This is in reference to the twine she passed yesterday. [[JLB]]
15 Dec 1997	Daily Report Data	Tembo had white mucous in both of the corners of her eyes today. I was told by Jason that she also had mucous yesterday in both eyes 12/14/97. [[LRB]]
15 Dec 1997	Daily Report Data	Tembo and Sunda were double chained today while maintenance and Dennis adjusted the door. Jason was unable to open the door leading into the elephant stall. [[LRB]]
18 Dec 1997	Daily Report Data	Tembo had some white matter in the corner of her eyes today. NAC was advised and looked at her. We will continue to watch for this and any changes. Her appetite and behavior were normal. [[JLB]]
20 Dec 1997	Daily Report Data	We transferred both elephants outside at 1:30. Both went very well. The stall was serviced and both transferred in fine. [[JLB]]
20 Dec 1997	Daily Report Data	Tembo wouldn't transfer at 11:30 a.m. this morning. She became excited. Trumpeting, kicking the Keeper's door, tussing the floor. She came out onto the concrete pad four times but wouldn't walk across the yard. Sunda was brought back in, Tembo calmed down. Both were chained and the doors were secured. [[JLB]]
21 Dec 1997	Daily Report Data	Tembo would not transfer outside today. She showed little interest in going at all (went into the hippo stall twice and no further). After 15 minutes the attempt was called off. Sunda was sent back in and the doors were secured. [[JLB]]
23 Dec 1997	Daily Report Data	Today at 12:30, the hydraulic doors were functioning. After she walked out onto the pad the outer door was mobilized. She watched it for a few seconds the made her way across the yard to station. She transferred in without hesitation. [[JLB]]
24 Dec 1997	Daily Report Data	Tembo would not transfer outside today. She never even went entirely into the hippo stall. After she became too aggitated to chain, Sunda was sent back in. [[JLB]]
24 Dec 1997	Daily Report Data	After Tembo came in she was excited (rumbling, eyes wide and glands streaming). Her appetite was good, she took produce and grain from me. She immediately began eating the p.m. hay after it was placed in the yard. [[JLB]]
25 Dec 1997	Daily Report Data	Both elephants transferred today. Tembo stopped on the pad but were able to close the stall door behind



		her and she decided to walk across the yard. Both transferring in well too. [[JLB]]
29 Dec 1997	Daily Report Data	Tembo wouldn't transfer outside today. She walked into the hippo stall twice. Both times she walked back into the elephant stall as the door was closing. We chained her (front leg) and she threw a tantrum (trumpeting, throwing hay and feces, ears out, head high, spinning around). After about 10 min. she calmed down and we doubled chained her and cleaned the stall without a problem. [[JLB]]
30 Dec 1997	Daily Report Data	Tembo wouldn't transfer outside today. She went into the hippo stall once but when the door began closing she went back into the elephant stall. She was double chained and the stall was serviced with her in it. Everything went smoothly. [[JLB]]
31 Dec 1997	Daily Report Data	Tembo transferred out this afternoon. [[LRB]]
1 Jan 1998	Daily Report Data	Tembo transferred out today. [[LRB]]
2 Jan 1998	Daily Report Data	I found twine in some of Tembo's feces in the stall today. NAC was notified. He appetite, behavior and fecal passage appears normal. [[JLB]]
5 Jan 1998	Daily Report Data	Tembo didn't transfer outside today. She went into the hippo stall once but as the door was closing she walked back into the elephant stall. The stall was cleaned w/her in it. [[JLB]]
6 Jan 1998	Daily Report Data	Tembo transferred outside today. She walked right out and across the yard. Both elephants were outside for 30 minutes while the stall was cleaned. [[JLB]]
7 Jan 1998	Daily Report Data	We trimmed both of her back pads. On her right back middle nail she had a crack that we file out and letting the nail grow out. We did all left back nails. [[SCM]]
18 Jan 1998	Daily Report Data	We attempted to transfer elephants at 9:15 a.m. Tembo went out onto the pad first but walked back into the elephant stall before the door could be closed. It was cold & snowing so we sent Sunda back inside. [[JLB]]
1 Feb 1998	Daily Report Data	Tembo wouldn't transfer outside today. We attempted transfers at 11:30 and 2:30 but she never moved out of the hippos stall (only in the hippos stall once). She became excited the second time (ears out, head high, trumpeting and temporal glands flowing) so we ended the attempt. [[JLB]]
11 Feb 1998	Daily Report Data	Refused to stay outside long enough to shut the elephant stall door. [[SCM]]
19 Feb 1998	Daily Report Data	Before we started the transfer, Sunda pushed Tembo into corner and stopped. [[SCM]]
24 Feb 1998	Daily Report Data	On the transfer back inside Sunda came in first and then Tembo came up to the pad and waited. LRB moved Sunda in front of the barrier, I called to Tembo who stood on the pad for 20 seconds. She then walked in. As soon as she entered the elephant stall Sunda broke from her position and charged Tembo. Tembo dropped her head down and covered (the front portion of her body) Sunda rammed Tembo's head. Tembo let out a loud roar. Sunda backed off a little and Tembo raised her head rumbling and ears out. Temporal glands streaming. LRB moved Sunda back into chaining position and I moved Tembo into her chaining position. Both were bathed and there were no more incidents. This comment added to IDs: 002176, 19766A [[DMS]]
1 Mar 1998	Daily Report Data	She didn't transfer outside on the first attempt this morning. She became excited, trumpeting, ears out, temporal glands streaming, kicking a boomer ball around and kicking doors. Sunda was sent in and both were sent out. Tembo went outside this time. On the transfer in she hesitated on the pad and in the aisle (Sunda was already inside). Several attempts were made and finally Tembo came in while Sunda was held outside. The process took 45 minutes. [[JLB]]
1 Mar 1998	Daily Report Data	Sunda and Tembo are not acting comfortable around each other. Sunda has been making aggressive behaviors toward Tembo and influencing Tembo's behavior(not transferring) reluctant to move around her. [[JLB]]
2 Mar 1998	Daily Report Data	Tembo transferred better inside today but still didn't go out on the first attempt. Sunda was sent back in and they were sent out again and both went out. [[JLB]]
8 Mar 1998	Daily Report Data	We attempted to transfer Tembo and Sunda outside today on three occasions. Sunda was willing to be sent out, but Tembo refused. Consequently the elephant stall was not cleaned. This comment added to IDs: 19766A, 002176 [[LRB]]
9 Mar 1998	Daily Report Data	Tembo refused to transfer outside today. Consequently the stall was not cleaned. [[JLB]]
20 Mar 1998	Daily Report Data	During the transfer out Sunda hit Tembo and proceeded to push her in the stall for a very short distance. Then when transferring back inside Sunda came in first and Tembo walked in rear end first. MDC said he had a hard time to get Tembo to come over. [[SCM]]
22 Mar 1998	Daily Report Data	When MDC and SCM tried to transfer Sunda and Tembo inside today we had some problems with the elephants. Sunda came in first and Tembo refused to come. So MDC sent Sunda back out and Tembo



		immediately dart in after Sunda was out in the yard. From that point on the transfer went fine. This comment added to IDs: 002176, 19766A [[SCM]]
3 Apr 1998	Daily Report Data	Tembo did not transfer this morning. We attempted to transfer her for 30-45 minutes trying several techniques. Therefore the stall was not cleaned. (NAC approved this). [[JLB]]
6 Apr 1998	Daily Report Data	Sunda head-butted Tembo in the stall this morning. She hit her in the right side of her head. I couldn't tell the motive behind Sunda's action, as they were only as they were only standing near each other while we set up to do training. This comment added to IDs: 002176, 19766A [[JLB]]
15 Apr 1998	Daily Report Data	Tembo is limping on her front left foot. She is favoring it and at times isn't putting any weight on it. Merle did trim her pad and filed her nails on Monday. Her foot was washed off and Merle put pressure on her pads but nothing was found. [[LRB]]
16 Apr 1998	Daily Report Data	Tembo is still favoring her front left foot. She is careful as to where she places her foot when she walks. Tembo's limping is able to be observed when she walks across the elephant yard. It is not seen when she's in her stall. [[LRB]]
23 Apr 1998	Daily Report Data	NAC and myself began the T.B. test on Tembo today. We retrieved enough of the solution to test. We will duplicate this procedure on Sat. or Mon. to complete the test. [[JLB]]
23 Apr 1998	Daily Report Data	57 and 28 drew blood off of Tembo today (1 red top tube). She came up out of the stretch after the tube was filled. I tried to position her again but she did not stay down and the attempt was ended. [[LRB]]
24 Apr 1998	Daily Report Data	Today when JLB and SCM was giving the elephants water, Sunda try to keep Tembo away at first by pushing Tembo with her trunk. Sunda stopped when JLB called her over. After that they both settle down and got a drink of water. This comment added to IDs: 002176, 19766A [[SCM]]
25 Apr 1998	Daily Report Data	NAC and myself did the second T.B. test in the sequence of three on Tembo today. Tembo did well and the necessary amount of solution was retrieved on the first attempt. [[JLB]]
27 Apr 1998	Daily Report Data	57 and 28 drew blood off Tembo today (1 purple top tube and 1 green top tube). She held well for the procedure in a standing position. [[JLB]]
27 Apr 1998	Daily Report Data	NAC and myself completed the T.B. test on Tembo today. Enough of the solution was retrieved and Tembo did well. [[JLB]]
6 May 1998	Daily Report Data	Elephants were given access to their stall and outside exhibit over night. [[LRB]]
13 May 1998	Daily Report Data	6:30 p.m. - Tembo and Sunda outside eating hay 8:15 p.m.- both outside Tembo playing with log 11:30 p.m. - Both elephants were inside lying down sleeping. [[SCM]]
2 Jun 1998	Daily Report Data	At 11:30 p.m. on my security rounds both Tembo and Sunda were sleeping outside on the pad. I was driving golf cart and they didn't move an inch as I drove the golf cart around the side walk. They are extremely sound sleepers. [[SCM]]
12 Jun 1998	Daily Report Data	From 8:40 to 900 p.m. I observe Tembo trumpeting, charging and ramming the big tree. [[SCM]]
20 Jun 1998	Daily Report Data	At 9:40 pm, I heard Tembo trumpeting from commissary, I was not to concerned, she continued to trumpet for anotehr 10 minutes. I went to check on her and she was ramming trees, snorting, tusking and kicking the ground. She did go in and out of the building three times, one time I did hear her ram a door, Sunda was inside the whole time. I did watch Tembo come in the elephant stall once. Tembo walked in backwards into the stall and kept on nudging up against Sunda. This happened for a few minutes, then Tembo went back outside. Did not hear anymore out of Tembo rest of the night. [[SCM]]
18 Jul 1998	Daily Report Data	Rocks gravel were pulled down from the roof above the elephant door onto the pad. I found them while cleaning the yard today. This comment added to IDs: 002176, 19766A [[JLB]]
22 Jul 1998	Daily Report Data	Tembo is reaching on top of the roof and pulling the gravel either throwing the rocks on herself and eating some of the gravel. MM and SCM push the gravel back out of reach of Tembo's trunk. [[SCM]]
23 Oct 1998	Daily Report Data	Tembo's chain ankle bracelets were removed today. [[JLB]]
23 Aug 1999	Daily Report Data	Tembo scuffed of an area of her toenail (approx. size of a quarter on the front left foot) and the nail next to it is worn more than usual. It appears that she is using that foot to dig in the yard. She is also favoring that leg when she moves. NAC examined the injury. She was foot soaked for approx. 10 min and corona was applied. Treatment will follow as per NAC. [[JLB]]
31 Oct 1999	Daily Report Data	Heard Tembo trumping and Sunda "Squeaking" at approx. 1740. Went to heck on them inside. As I



walked up Tembo ran outside kicking or hitting one of the doors on the way. Sunda then charged the bars @ me. Pushing as hard as she could on two of them. Sunda then started pushing on several areas of the walls she then charged the bars again - pushing hard at this point Tembo was outside trumping. I went to check on her - she was doing laps around the yard - "attacking the tree as she passed S. end and ate pumpkins. Tembo hit/kicked the transfer doors and then kicked the keeper door. At this point, I had to start closing so I left. Did not hear either again.

This comment added to IDs: 002176, 19766A [[BAM]]

22 Jul 2002	Daily Report Data	Tembo Abcess still bothering her. CK looked at, still very sensitive. we will hose for a couple of days, then wipe with warm water and use a fly ointment for now.
23 Oct 2002	Medical note	Tembo - drew blood on left ear.
3 Nov 2002	Medical note	Visual exam of 3 scrapes on upper trunk. Recommended flushing with H2O Bid. then spraying with Nolvasan to keep clean.
3 Nov 2002	Medical observation	Saw horizontal cut on her trunk early mom; Patti came to see- recommended keeping it washed out and daily applications of nolvasan; cause of cut unknown
4 Nov 2002	Medical note	Wash cut laseration on trunk flush with nolvasan.
6 Nov 2002	Medical note	Cut on trunk appears to be healing well. Have been cleaning it with nolvasan solution. Still not sure what she may hve cut it on.
22 Nov 2002	Daily Report Data	Tembo has been very reluctant to allow us to shut her into the transfer stall with Sunda this past week. her temporal gland has been draining heavily lately as well. She has also been acting aggressive - displaying towrds keepers, pushing Sunda away from food and displacing on the street sweeper brush while throwing things.
27 Nov 2002	Medical procedure	Did a blood draw on Tembo's left ear today.
28 Nov 2002	Medical note	Vet looked at cut on Tembo's trunk from November 3 and thought it had healed nicely.
4 Dec 2002	Aggression	Sunda was being mildly aggressive towards Tembo in transfer this AM.
4 Dec 2002	Behavior note	Tembo has been inspecting Sunda's genitals and rumbling alot lately. Tembo's temporal gland has been draining heavily as well.
5 Dec 2002	Aggression	Sunda showing mild aggression towards Tembo in transfer stall this AM and PM. Merie believes Tembo is cycling due to the thick, milky consistency of her urine. Both are doing dominance displays to each other, with Sunda doing it more in the transfer.
10 Dec 2002	Medical note	Tembo has a cut on right upper portion of trunk. Does not appear to be bleeding any more. Hosed off during bath.
23 Dec 2002	Aggression	Saw Sunda and Tembo sparring with each other. Aggression was very mild. Sunda was shoving Tembo. Tembo was putting her trunk on top of Sunda's head, pushing her tusk into Sunda's mouth and cheek area. Both stopped after a few minutes.
27 Dec 2002	Aggression	Sunda has been aggressive towards Tembo in the transfer stall this morning and yesterday. When trainer tries calling Tembo, Sunda will sometimes become aggressive towards trainer. Sunda kicked and hit Tembo several times this AM in transfer stall.
27 Dec 2002	Medical note	Tembo - noticed a large scrape over her right eye. Not sure when she did it but it is not bleeding. Her temporal glands have been drianing heavily the last couple weeks as well.
28 Dec 2002	Aggression	Sunda is still being aggressive towards Tembo in the transfer stall. Saw Sunda running around yard today and kicking Tembo.
29 Dec 2002	Daily Report Data	Tembo - did a trunkwash on her today. Went well.
29 Dec 2002	Behavior note	Tembo - saw her stand on the step surrounding outside waterer and grab onto the framework. She didn't pull on it, but rubbed her trunk on the supports. She came when I called her.
30 Dec 2002	Daily Report Data	Gave Tembo a good trunk wash.
2 Jan 2003	Daily Report Data	Tembo - completed a successful trunkwash on her today. Also drew blood from right ear.
7 Jan 2003	Medical observation	Noticed a large lump on underside of abdomen. Felt it she didn't appear to mind us touching it, and the lump was hard. Contacted MM, he said he has seen this before, it is fluid accumulation after she has finished cycling. The lump may increase in size and can last a couple of months. Vet also came down to look at it. She agreed with MM and said to watch. If it becomes very hard and we are unable to move it around anymore, we need to notify her.
10 Jan 2003	Medical procedure	Drew blood from right ear today.



17 Jan 2003	Medical note	Tembo has swelling on the underside of her abdomen. First noted on 1/7/03. Appears to have grown some. She is eating well, and have not noticed any other swellings.
11 Feb 2003	Medical note	at PM shift noticed a small 1/2 - 3/4 " cut on/near Tembo's right Temporal gland. Sprayed with 1:10 betadine solution. Vet tech also looked at and said it looks superficial.
12 Feb 2003	Medical note	Applied 1:10 betadine solution to cut noticed yesterday. It appears to be doing well.
14 Feb 2003	Behavior note	Tembo is continuing to get progressively worse about transfers. She is slow going outside, breaks from trainers and blocks doors. DME
27 Feb 2003	Medical note	Update - swelling on abdomen, first noted on 1/7/03, remains the same size, and same consistency. No other swellings have been seen and she continues to act normal in all other regards. DME
3 Mar 2003	Medical observation	One of the Elephants either the African or the Asian had cranberry colored urine. Sent a sample as well as a sample from March 1 to Vet. for analysis.
12 Mar 2003	Medical observation	Swelling on abdomen still doesn't appear to be changing in size or consistency.
19 Mar 2003	Medical procedure	Successful blood draw from left ear.
26 Mar 2003	Medical procedure	successful blood draw from right ear today.
2 Apr 2003	Medical procedure	Successful blood draw from left ear.
26 Jul 2003	Medical note	Swelling on the abdomen looks like it is growing again.
3 Sep 2003	Note	Elephants got a push broom and dismantled it. We were able to retrieve most of the pieces.. Sunday swallowed a small amount of plastic.  This comment was added to the following specimens: 002176, 19766A.
30 Sep 2003	Foot management	Foot work done on Sunda right front and Tembo both fronts. Then both elephants acting difficult in PM after footwork. Tried to transfer outside to clean barn, Tembo stayed in. Sunda charging cables in yard toward TN and then returning to barn and kicking Tembo  This comment was added to the following specimens: 002176, 19766A.
15 Mar 2004	Foot management	Both elephants had their feet washed and checked. Sunda had betadine applied to the soft spot on her left front. Mineral oil applied to both animals feet.  This comment was added to the following specimens: 002176, 19766A.
28 Mar 2004	General activity	Pretty sure she is cycling again. Her urine has been very milky. She has been draining pretty heavily from her temporal glands and she has been acting very dominant towards Sunda.
22 Jun 2005	Medical note	Tembo 2nd TB trunkwash done this a.m. Ck also examined wound on hind (R) foot. Liked the way it had healed up.
23 Jun 2005	Medical note	Sunda 3rd TB trunk wash done this a.m.
23 Jun 2005	Medical note	Tembo 3rd trunk wash done this a.m.
2 Mar 2006	Note	Curator looked at small chip on tusk. Suggested to file rough edges to prevent any splitting of tusk.
5 Mar 2006	Note	Filed some on chipped area of left tusk. Tolerated well. Will have to file down some more. Footwork done on front left.
6 Mar 2006	Note	Spoke with Vet about chip in tusk. Will need to file down further and showed her where further filing will need to occur.
23 Mar 2006	Medical observation	Tembo - hose bath, noticed a small scrape ( about the size of a dime) just behind and below left temporal gland. Hosed off. Successful blood draw from left ear.
2 Apr 2006	Medical observation	Footwork done on front left. Nail work on Hind right and hind left. During footwork "Tembo" set down her Front Left and held her front right slightly off the ground. She wouldn't stand on it, but she did put it up for inspection. Could see nothing visibly wrong with the foot. When released she stood on the front right with full weight and put the front left up for work. Did not see her favoring it again the rest of the afternoon.
9 May 2006	Medical procedure	Blood draw from left ear.
26 Jun 2006	Medical procedure	TB trunkwash done this AM.



27 Jun 2006	Medical procedure	This comment was added to the following specimens: 002176, 19766A. Second TB trunkwash done this AM
28 Jun 2006	Medical procedure	This comment was added to the following specimens: 002176, 19766A. Third TB trunkwash done this AM
15 Aug 2006	Medical procedure	This comment was added to the following specimens: 002176, 19766A. Successful blood draw from Right ear.
20 Sep 2006	Medical procedure	Blood draw on left ear.
10 Oct 2006	Fecal check/worming	Routine fecal collected yesterday.
18 Dec 2006	Medical procedure	This comment was added to the following specimens: 002176, 19766A. Blood draw from left ear.
29 Jan 2007	Medical observation	Vet inspected all four feet.
29 Mar 2007	Medical treatment	Tembo recieved tetanus shot this AM.
2 Apr 2007	Medical treatment	Given rabies vaccination this AM.

<u>Date</u>	<u>Sex</u>	<u>Comments</u>
18 Mar 1976	Female	

<u>Date</u>	<u>Rearing</u>	<u>Comments</u>
18 Mar 1976	Unknown	

Medical History Report - Summary for Individual Specimen  
TOPEKA ZOOLOGICAL PARK

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI*                      Accession #: 002176  
Common Name: East African bush elephant                                      Female  
Name: TEMBO    Birth: 18.Mar.1971 (Estimated)  
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.....2005....

1.Dec Clinical note recorded. (PDJ)  
3.Dec Clinical note recorded. (PDJ)  
4.Dec Clinical note recorded. (PDJ)  
9.Dec Clinical note recorded. (PDJ)  
18.Dec Clinical note recorded. (PDJ)  
23.Dec Clinical note recorded. (PDJ)  
26.Dec Clinical note recorded. (PDJ)  
30.Dec Clinical note recorded. (PDJ)

.....2006....

2.Jan Clinical note recorded. (PDJ)  
7.Jan Clinical note recorded. (PDJ)  
8.Jan Clinical note recorded. (PDJ)  
9.Jan Clinical note recorded. (PDJ)  
10.Jan Clinical note recorded. (PDJ)  
14.Jan Clinical note recorded. (PDJ)  
16.Jan Clinical note recorded. (PDJ)  
18.Jan Clinical note recorded. (PDJ)  
21.Jan Clinical note recorded. (PDJ)  
22.Jan Clinical note recorded. (PDJ)  
23.Jan Clinical note recorded. (PDJ)  
26.Jan Clinical note recorded. (PDJ)  
28.Jan Clinical note recorded. (PDJ)  
30.Jan Clinical note recorded. (PDJ)  
31.Jan Clinical note recorded. (PDJ)  
  
6.Feb Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)  
9.Feb Clinical note recorded. (PDJ)  
11.Feb Clinical note recorded. (PDJ)  
18.Feb Clinical note recorded. (PDJ)  
19.Feb Clinical note recorded. (PDJ)  
20.Feb Clinical note recorded. (PDJ)  
26.Feb Clinical note recorded. (PDJ)  
27.Feb Clinical note recorded. (PDJ)  
  
2.Mar Clinical note recorded. (PDJ)  
5.Mar Clinical note recorded. (PDJ)  
6.Mar Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)  
7.Mar Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)

Medical History Report - Summary for Individual Specimen  
TOPEKA ZOOLOGICAL PARK

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Scientific Name: LOXODONTA AFRICANA KNOCHENHAUERI      Accession #: 002176
Common Name: East African bush elephant                Female
Name: TEMBO                                           Birth: 18.Mar.1971 (Estimated)
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.....2006...

- 11.Mar Clinical note recorded. (PDJ)
- 12.Mar Clinical note recorded. (PDJ)
- 17.Mar Clinical note recorded. (PDJ)
- 19.Mar Clinical note recorded. (PDJ)
- 20.Mar Clinical note recorded. (PDJ)
- 23.Mar Clinical note recorded. (PDJ)
- 25.Mar Clinical note recorded. (PDJ)
- 26.Mar Clinical note recorded. (PDJ)
- 30.Mar Clinical note recorded. (PDJ)
  
- 2.Apr Clinical note recorded. (PDJ)
- 4.Apr Clinical note recorded. (PDJ)
- 9.Apr Clinical note recorded. (PDJ)
- 12.Apr Clinical note recorded. (PDJ)
- 14.Apr Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN
- 19.Apr Clinical note recorded. (PDJ)
- 21.Apr Clinical note recorded. (PDJ)
- 22.Apr Clinical note recorded. (PDJ)
- 23.Apr Clinical note recorded. (PDJ)
- 26.Apr Clinical note recorded. (PDJ)
- 30.Apr Clinical note recorded. (PDJ)
  
- 3.May Clinical note recorded. (PDJ)
- 7.May Clinical note recorded. (PDJ)
- 9.May Clinical note recorded. (PDJ)
- 24.May Clinical note recorded. (PDJ)
- 28.May Clinical note recorded. (SYL)
- 29.May Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)
  
- 4.Jun Clinical note recorded. (PDJ)
- 6.Jun Clinical note recorded. (PDJ)
- 8.Jun Clinical note recorded. (PDJ)
- 9.Jun Clinical note recorded. (SYL)
- 16.Jun Clinical note recorded. (PDJ)
- 18.Jun Clinical note recorded. (PDJ)
- 26.Jun Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)
- 27.Jun Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)
- 28.Jun Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)
  
- 5.Jul Clinical note recorded. (SYL)

Medical History Report - Summary for Individual Specimen  
TOPEKA ZOOLOGICAL PARK

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Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
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.....2006...

6.Jul Clinical note recorded. (SYL)  
10.Jul Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)  
16.Jul Clinical note recorded. (PDJ)  
18.Jul Clinical note recorded. (PDJ)  
24.Jul Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)  
25.Jul Clinical note recorded. (SYL)  
31.Jul Clinical note recorded. (PDJ)  
  
3.Aug Clinical note recorded. (PDJ)  
4.Aug Clinical note recorded. (SYL)  
7.Aug Clinical note recorded. (PDJ)  
15.Aug Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)  
17.Aug Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)  
28.Aug Clinical note recorded. (PDJ)  
30.Aug Clinical note recorded. (PDJ)  
31.Aug Clinical note recorded. (PDJ)  
  
11.Sep Clinical note recorded. (SYL)  
14.Sep Clinical note recorded. (PDJ)  
Clinical note recorded. (SYL)  
18.Sep Clinical note recorded. (PDJ)  
20.Sep Clinical note recorded. (PDJ)  
  
4.Oct Clinical note recorded. (PDJ)  
6.Oct Clinical note recorded. (PDJ)  
9.Oct Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN  
29.Oct Clinical note recorded. (PDJ)  
  
3.Nov Clinical note recorded. (PDJ)  
7.Nov Clinical note recorded. (PDJ)  
9.Nov Clinical note recorded. (PDJ)  
10.Nov Clinical note recorded. (PDJ)  
27.Nov Clinical note recorded. (PDJ)  
  
6.Dec Clinical note recorded. (PDJ)  
18.Dec Clinical note recorded. (PDJ)  
31.Dec Clinical note recorded. (PDJ)

.....2007...

3.Jan Clinical note recorded. (PDJ)  
Printed on: 6.Apr.2007

Medical History Report - Summary for Individual Specimen  
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Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI*                      Accession #: 002176  
Common Name: East African bush elephant    Female  
Name: TEMBO    Birth: 18.Mar.1971 (Estimated)  
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.....2007....

7.Jan Clinical note recorded. (PDJ)  
10.Jan Clinical note recorded. (PDJ)  
23.Jan Clinical note recorded. (PDJ)  
29.Jan Clinical note recorded. (PDJ)  
          Clinical note recorded. (SYL)  
30.Jan Clinical note recorded. (PDJ)  
31.Jan Clinical note recorded. (SYL)  
  
4.Feb Clinical note recorded. (PDJ)  
5.Feb Clinical note recorded. (PDJ)  
15.Feb Clinical note recorded. (PDJ)  
16.Feb Clinical note recorded. (SYL)  
18.Feb Clinical note recorded. (PDJ)  
          Clinical note recorded. (SYL)  
19.Feb Clinical note recorded. (SYL)  
20.Feb Clinical note recorded. (PDJ)  
          Clinical note recorded. (SYL)  
22.Feb Clinical note recorded. (PDJ)  
25.Feb Clinical note recorded. (PDJ)  
26.Feb Clinical note recorded. (PDJ)  
          Clinical note recorded. (SYL)  
28.Feb Clinical note recorded. (PDJ)  
          Clinical note recorded. (SYL)  
  
3.Mar Clinical note recorded. (PDJ)  
6.Mar Clinical note recorded. (PDJ)  
12.Mar Clinical note recorded. (PDJ)  
14.Mar Clinical note recorded. (PDJ)  
22.Mar Clinical note recorded. (PDJ)  
25.Mar Clinical note recorded. (PDJ)  
29.Mar Clinical note recorded. (PDJ)  
          Clinical note recorded. (SYL)  
  
2.Apr Clinical note recorded. (PDJ)  
          Clinical note recorded. (SYL)

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Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
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Clinical Note: 1.Dec.2005  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Hose bath, foot scrub, blood draw right ear, footwork on  
front left foot. DMO/PGH (PDJ)

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Clinical Note: 3.Dec.2005  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Hose bath, foot scrub and mineral oil. DS/SG (PDJ)

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Clinical Note: 4.Dec.2005  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on front left. DMO/DS (PDJ)

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Clinical Note: 9.Dec.2005  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: rcvd full bath & mineral oil. DS/FM/BD (PDJ)

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Clinical Note: 18.Dec.2005  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: footwork and foot scrub done. DMO/DS (PDJ)

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Clinical Note: 23.Dec.2005  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: full bath & mineral oil. DS/MK (PDJ)

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Clinical Note: 26.Dec.2005  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: footwork done on hind right foot. DMO/KB (PDJ)

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Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 30.Dec.2005  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind left. DS/FM (PDJ)

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Clinical Note: 2.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: footwork done on front right. DMO/PGH (PDJ)

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Clinical Note: 7.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: full bath. DS/PGH (PDJ)

---

Clinical Note: 8.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: footwork done on FL. DMO/PGH (PDJ)

---

Clinical Note: 9.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: found a couple of street seeper bristles in her feces over  
the last few days. Blood draw from right ear-blood discarded. DMO/PGH/HK  
(PDJ)

---

Clinical Note: 10.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: full scrub bath & foot scrub by KB/DMO. (PDJ)

---

Clinical Note: 14.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Rcvd a full bath & mineral oil. DS/BD/KB (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 16.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind left. DMO/PGH/HK (PDJ)

---

Clinical Note: 18.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: given full bath. DMO/BD/HK (PDJ)

---

Clinical Note: 21.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: full bath & mineral oil. Tembo was being very dominant  
towards Sunda. Observed TEMbo following behind Sunda, around exhibit.  
Tembo had her trunk and upper lip along Sunda's back. While she followed  
her. Tembo also mounted sunda twice. KB/DS (PDJ)

---

Clinical Note: 22.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: spent about 1 hour displacing on the street sweeper brush  
and trumpeting in the stall. DMO/PGH (PDJ)

---

Clinical Note: 23.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: footwork done on hind right. Hose bath done. DMO/PGH/HK  
(PDJ)

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Clinical Note: 26.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: full bath. DMO/PGH/HK (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 28.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: full bath & mineral oil. DS/BD (PDJ)

---

Clinical Note: 30.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Has a quarter size abrasion on area next to left temporal  
gland. DMO/PGH/HK (PDJ)

---

Clinical Note: 31.Jan.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: full bath. DMO/KB/HK (PDJ)

---

Clinical Note: 6.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on front left. Dr. Llizo inspected all 4  
feet. DMO/HK (PDJ)

---

Clinical Note: 6.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Examined feet and observed footwork done on left forefoot. Corona ointment  
applied on all feet and kopertox applied on filed foot. (SYL)

---

Clinical Note: 9.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full scrub bath. DMO/HK (PDJ)

---

Clinical Note: 11.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full bath. DMO/BD (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 18.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full bath. DS/BD (PDJ)

---

Clinical Note: 19.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind left. DMO (PDJ)

---

Clinical Note: 20.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: footwork done on hind right. DMO/HK (PDJ)

---

Clinical Note: 26.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full scrub bath & mineral oil. DMO/PGH (PDJ)

---

Clinical Note: 27.Feb.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on front right. DMO/HK/PGH (PDJ)

---

Clinical Note: 2.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Merle looked at small chip on tusk. Suggested to file  
edges to prevent any splitting. DMO/BD/HK (PDJ)

---

Clinical Note: 5.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Filed some on chipped area of tusk. Tolerated well. Will  
have to file down some more. Footwork done on front left. DMO/DS (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 6.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Spoke with vet about chip in tusk. Will need to file down  
further showed her where further filing will need to occur. DMO/DS (PDJ)

---

Clinical Note: 6.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Small area on dorsal aspect of tip of tusk not smooth. Staff plans to file  
down further, a little at a time as animal permits. (SYL)

---

Clinical Note: 7.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Used a dremal tool to remove edge of chip on tusk. Now  
smooth. Vet examined once complete. Vet also inspected all 4 feet.  
DMO/HK (PDJ)

---

Clinical Note: 7.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Using dremmel tool, filed down on crack on dorsal tip of tusk. Animal  
cooperated well. Routine check on all 4 feet. (SYL)

---

Clinical Note: 11.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full bath & mineral oil. DS/HK (PDJ)

---

Clinical Note: 12.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from left ear (discarded). Hose & mud bath.  
DMO/DS (PDJ)

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=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 17.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full bath/mineral oil. DS/HK (PDJ)

---

Clinical Note: 19.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind left. Tried dremel on center toenail  
cracks w/both hind feet. Don't have the proper sander to do her nails.  
Filed out both center-very tender, especially on hind right. Koppertox  
applied to both nail cracks. DMO (PDJ)

---

Clinical Note: 20.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full bath given. Curator inspected all 4 feet. Koppertox  
applied to hind nail cracks on both back feet. DMO/DS (PDJ)

---

Clinical Note: 23.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Hose bath, noticed a small scrape (about dime sized) just  
behind & below left temporal gland. Hosed off. Successful blood draw from  
left ear. Vet observed. DMO/HK (PDJ)

---

Clinical Note: 25.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full bath and mineral oil. DS/HK (PDJ)

---

Clinical Note: 26.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Hose bath, footwork on hind right. DMO/DS (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 30.Mar.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from left ear. DMO/HK (PDJ)

---

Clinical Note: 2.Apr.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on front left. Nail work on hind right and  
left. During footwork she set down her front left and held her front right  
slightly off the ground. She wouldn't stand on it, but she did put it up  
for inspection. Could see nothing visibly wrong with the foot. When  
released, she stood on the front right with full weight and put front left  
up for work. Did not see her favoring it again the rest of the afternoon.  
DMO/HK (PDJ)

---

Clinical Note: 4.Apr.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full bath. Blood draw from right ear. DMO/HK (PDJ)

---

Clinical Note: 9.Apr.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork on front left. DMO/HK (PDJ)

---

Clinical Note: 12.Apr.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Full bath. Blood draw from left ear. DMO/HK (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Parasitology Examination:

Submission Data >>

Type: Fecal sample  
Purpose: ROUTINE EXAMINATION

Sample id.: 2006-0035  
Date collected: 14.Apr.2006

Collected from:

From an individual specimen.

Enclosure: A&M

Examination Data >>

Storage: room temperature  
Consistency: formed  
Gross appearance: Typical

Date examined: 14.Apr.2006

by: PDJ

Tests & Results >>

DIRECT MICROSCOPIC EXAMINATION NO PARASITES SEEN  
FLOATATION - NA NITRATE NO PARASITES SEEN

-----  
  
Clinical Note:

19.Apr.2006

Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)

Keeper report: Full bath. Blood draw from left ear. DMO/FM (PDJ)

-----  
  
Clinical Note:

21.Apr.2006

Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)

Keeper report: Foot scrub, hose bath. DS (PDJ)

-----  
  
Clinical Note:

22.Apr.2006

Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)

Keeper report: Full bath. DS/HK (PDJ)  
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=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 23.Apr.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind left & hind right feet. Hose  
bath given. DMO/DS (PDJ)

---

Clinical Note: 26.Apr.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Found a foot long piece of bailing twine in fecal this  
am. Blood draw for histocompatibility study from left ear. Fecal  
collected for study as well. DMO/FM (PDJ)

---

Clinical Note: 30.Apr.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Has been having attitude issues. Unwilling to comply  
with stretch at the bars lately. Has also been showing slight  
dominance behaviors towards keepers (last few days especially). In  
the last 2 days has been throwing fecal alot in the stall & all over  
her back (occurring at night when keepers are not present). Has been  
draining from temporals alot as well. DMO/HK (PDJ)

---

Clinical Note: 3.May.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from right ear. DMO/FM (PDJ)

---

Clinical Note: 7.May.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork on front right. DMO/MS (PDJ)

---

Clinical Note: 9.May.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from left ear. Full bath & mineral oil.  
DMO/FM/PB (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 24.May.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Successful blood draw from Left ear. Full bath.  
DMO/PB (PDJ)

---

Clinical Note: 28.May.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
DAR: footwork on right fore foot, when almost done, she put the right  
foot down and held the left foot up, reluctant to stand on it; nothing  
visibly wrong when inspected; had her put it back down and she stood  
on it; did not do it again; did not see any issues when walking today;  
right foot was being worked on for at least 30 mins prior to incident,  
left was also wobbling a little when in the air. (SYL)

---

Clinical Note: 29.May.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: successful blood draw from left ear. DMO/HK/MLS (PDJ)

---

Clinical Note: 29.May.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Normal weight-bearing on feet today, no lameness. Routine blood  
sampling performed, and serum banked. (SYL)

---

Clinical Note: 4.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on front left foot. DMO/MLS (PDJ)

---

Clinical Note: 6.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: successful blood draw from right ear. Full bath. DMO  
(PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 8.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Was charged & hit by Sunda. The his was with Sunda's  
head & powerful enought to push Tembo over a foot. The hit was on  
tembo's abdomen on her right side. DMO/DS/MLS (PDJ)

---

Clinical Note: 9.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
No complications from yesterday's altercation. (SYL)

---

Clinical Note: 16.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from right ear. DMO/MLS (PDJ)

---

Clinical Note: 18.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind right & hind left. DMO/DS/MLS (PDJ)

---

Clinical Note: 26.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: TB trunkwash done this am. DMO/DS/AL (PDJ)

---

Clinical Note: 26.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Day 1 of annual TB trunk wash performed. No access to food and water  
overnight. Sterile saline 60 ml infused in trunk, then collected  
fluid in 1 gallon ziploc bag. Very cooperative in procedure.  
Specimen placed in regular freezer. (SYL)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 27.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: 2nd TB trunkwash done this am. DMO/BD (PDJ)

---

Clinical Note: 27.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Day 2 of TB trunk wash. (SYL)

---

Clinical Note: 28.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: 3rd TB trunkwash done this am. DMO/BD (PDJ)

---

Clinical Note: 28.Jun.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Day 3 (final) of TB trunk wash. Samples to be shipped to NVSL. (SYL)

---

Clinical Note: 5.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Plan to collect blood sample for West Nile Virus serology before  
vaccination. (SYL)

---

Clinical Note: 6.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Blood collection by staff. (SYL)

---

Clinical Note: 10.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Found some mucous/discharge in outside exhibit. Vet  
staff was notified & shown. DS/AL (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 10.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Some mucus present in wet patch in exhibit yard. Appeared to be  
vaginal discharge. (SYL)

---

Clinical Note: 16.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Nails filed on hind left & hind right. DMO/HK (PDJ)

---

Clinical Note: 18.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from left ear. Small amount of trimming  
done on front right foot. Full bath. DMO/FM (PDJ)

---

Clinical Note: 24.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Successful blood draw from left ear. Vet inspected  
all 4 feet. DMO/DS (PDJ)

---

Clinical Note: 24.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Blood collection by staff. Routine exam of all 4 feet: continue with  
regular hoof trims and maintenance. (SYL)

---

Clinical Note: 25.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Blood sample from yesterday submitted for West Nile Virus serum  
neutralization titre at Cornell Diagnostic Lab. (SYL)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 31.Jul.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork on front right foot. DMO/DS (PDJ)

---

Clinical Note: 3.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from right ear. DMO/MLS/DS (PDJ)

---

Clinical Note: 4.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
West Nile Virus (SN): positive at 1:40. (SYL)

---

Clinical Note: 7.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Cracks in pad & around nails opened up on front right.  
DMO/DS/AL (PDJ)

---

Clinical Note: 15.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Successful blood draw from right ear. Full bath.  
DMO/AL (PDJ)

---

Clinical Note: 15.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Blood collected from left ear by vet for banking. (SYL)

---

Clinical Note: 17.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind right & hind left feet.  
DMO/HK/DS (PDJ)

---

=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 17.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Updated topical drugs for regular use: corona oinment and kopertox for  
application to feet and nails. (SYL)

---

Clinical Note: 28.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw on left ear. Discarded. DMO/DS/AL (PDJ)

---

Clinical Note: 30.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Successful blood draw from right ear. DMO/BD (PDJ)

---

Clinical Note: 31.Aug.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw on left ear. MLS/DS (PDJ)

---

Clinical Note: 11.Sep.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Received addended report for WNV: SLE negative 1:20. (SYL)

---

Clinical Note: 14.Sep.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from right ear. DMO/DS (PDJ)

---

Clinical Note: 14.Sep.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
NVSL: Mycobacterial culture - no isolation made.

Set of photos taken for annual records, disk retained in file folder.  
(SYL)

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=====
Scientific Name: LOXODONTA AFRICANA KNOCHENHAUERI      Accession #: 002176
Common Name: East African bush elephant                Female
Name: TEMBO                                           Birth: 18.Mar.1971 (Estimated)
=====

```

**Clinical Note:** 18.Sep.2006  
 Problem: nail separation - right front digit 3 (Confirmed); edema -  
 abdomen (Confirmed)  
 Keeper report: Footwork done on front right. DMO/FM (PDJ)

---

**Clinical Note:** 20.Sep.2006  
 Problem: nail separation - right front digit 3 (Confirmed); edema -  
 abdomen (Confirmed)  
 Keeper report: Blood draw on left ear. DMO/HK (PDJ)

---

**Clinical Note:** 4.Oct.2006  
 Problem: nail separation - right front digit 3 (Confirmed); edema -  
 abdomen (Confirmed)  
 Keeper report: Blood draw from right ear. (small amount  
 collected-discarded). DMO/FM (PDJ)

---

**Clinical Note:** 6.Oct.2006  
 Problem: nail separation - right front digit 3 (Confirmed); edema -  
 abdomen (Confirmed)  
 Keeper report: Footwork done on hind left. MS/DS (PDJ)

---

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Submission Data >>                                     Sample id.: 2006-0118
Type: Fecal sample                                     Date collected: 9.Oct.2006
Purpose: ROUTINE EXAMINATION                          Collected by: MS

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Collected from:                                       Enclosure: A&M
From an individual specimen.

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Examination Data >>                                   Date examined: 9.Oct.2006
Storage: room temperature
Consistency: formed
Gross appearance: Typical                             by: PDJ

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Tests & Results >>
DIRECT MICROSCOPIC EXAMINATION NO PARASITES SEEN
FLOATATION - NA NITRATE          NO PARASITES SEEN

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Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 29.Oct.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Hose bath. DMO/MS (PDJ)

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Clinical Note: 3.Nov.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: has some white substance in the corners of both of her  
eyes. It feels a little grainy & doesn't seem to have an odor to it.  
FM/DS/MS looked at. DS (PDJ)

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Clinical Note: 7.Nov.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from left ear. DMO/HK (PDJ)

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Clinical Note: 9.Nov.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on front left, front right, hind left  
and hind right feet. Curator inspected all 4 feet. DMO/HK/MLS (PDJ)

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Clinical Note: 10.Nov.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: has more white substance in corner of left eye again  
today. Will monitor. MS (PDJ)

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Clinical Note: 27.Nov.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind left. HK/DMO (PDJ)

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=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 6.Dec.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: successful blood draw from left ear. DMO/BD (PDJ)

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Clinical Note: 18.Dec.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from left ear. DMO/HK (PDJ)

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Clinical Note: 31.Dec.2006  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on Hind right. DMO/HK (PDJ)

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Clinical Note: 3.Jan.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: MM inspected feet. DMO (PDJ)

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Clinical Note: 7.Jan.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind left foot. DMO (PDJ)

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Clinical Note: 10.Jan.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Finished hind left foot. DMO/FM (PDJ)

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Clinical Note: 23.Jan.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork completed on front left foot. FM (PDJ)

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=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 29.Jan.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Vet inspected all 4 feet. DMO/MS (PDJ)

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Clinical Note: 29.Jan.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Observed footwork done today, no significant abnormal findings, areas  
of pad and nail growing out from previous trim. (SYL)

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Clinical Note: 30.Jan.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Blood draw from left ear. DMO/BD (PDJ)

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Clinical Note: 31.Jan.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Channel 49 news interviewed and filmed on husbandry and veterinary  
care. (SYL)

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Clinical Note: 4.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Work done on nails of hind left & hind right. DMO/MS  
(PDJ)

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Clinical Note: 5.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: blood draw from left ear. DMO/MS (PDJ)

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Clinical Note: 15.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Successful blood draw left ear. DMO/MS (PDJ)

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=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 16.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Reported that she was in estrus and vulvar region swollen since  
yesterday. No drainage from temporal glands. Otherwise normal (SYL)

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Clinical Note: 18.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: External genital area has been slightly swollen for  
the last couple of days. Vet looked at this AM. Continue to monitor.  
DMO/MS (PDJ)

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Clinical Note: 18.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Vulvar region still mildly swollen, no drainage from temporal glands,  
urine has milky component. (SYL)

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Clinical Note: 19.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Vulvar region still swollen, milky urine, some clear drainage from  
right temporal gland. (SYL)

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Clinical Note: 20.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: genital area is still swollen. She began draining  
heavily from both temporal glands yesterday. DMO/BD (PDJ)

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Clinical Note: 20.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
No significant change. (SYL)

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=====  
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Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 22.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: genital area still swollen. Doesn't appear any larger  
than when 1st noted. Still presenting other "symptoms" of cycling as  
well. DMO/DS/BD (PDJ)

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Clinical Note: 25.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Footwork done on hind right. Genital area still  
swollen. DMO/MS (PDJ)

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Clinical Note: 26.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: blood draw from right ear. DMO/MS (PDJ)

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Clinical Note: 26.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Perineal region still swollen but to a lesser degree, temporal glands  
continue to drain. (SYL)

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Clinical Note: 28.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: genital area still swollen. Acting normal. DMO/FM (PDJ)

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Clinical Note: 28.Feb.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Perineal region still swollen, temporal glands draining less. (SYL)

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=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 3.Mar.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Genital area still swollen. Everything else appears  
normal. DMO/HK (PDJ)

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Clinical Note: 6.Mar.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: blood draw from left ear. FM/DMO (PDJ)

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Clinical Note: 12.Mar.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: genital area doesn't appear as swollen. She is still  
draining heavily (not consistently-periodically thru the day) from the  
temporal glands. DMO (PDJ)

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Clinical Note: 14.Mar.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Front left foot trimmed today. FM (PDJ)

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Clinical Note: 22.Mar.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Nails worked on hind right & hind left. MS/DMO (PDJ)

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Clinical Note: 25.Mar.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Genitals appeared much less swollen than they have  
been. MS/DMO (PDJ)

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=====  
Scientific Name: *LOXODONTA AFRICANA KNOCHENHAUERI* Accession #: 002176  
Common Name: East African bush elephant Female  
Name: TEMBO Birth: 18.Mar.1971 (Estimated)  
=====

Clinical Note: 29.Mar.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Received tetanus vaccination this AM. Injected right  
hip, but not all went in, so injected left hip as well. DMO/MS (PDJ)

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Clinical Note: 29.Mar.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Vaccinated with tetanus toxoid 1 ml im polesyringe (Ft Dodge 1630103A,  
9mar08). Plan for rabies vaccine 2apr. (SYL)

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Clinical Note: 2.Apr.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Keeper report: Given rabies vaccination this AM. Given in right hip  
area. Footwork done on hind right. DMO (PDJ)

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Clinical Note: 2.Apr.2007  
Problem: nail separation - right front digit 3 (Confirmed); edema -  
abdomen (Confirmed)  
Vaccinated with Rabies 2 ml im polesyringe (Merial Imrab-3, 12506A,  
16sep07). She was noticeable upset during procedure, presenting the  
right rear leg which was outstretched. (SYL)

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Clinical Pathology Records Report - ISIS/In-House Reference Values  
TOPEKA ZOOLOGICAL PARK

Scientific name: *LOXODONTA AFRICANA*

Common Name: African elephant

		ISIS Values			In-House Values				
		Mean	S.D.	(N)	Mean	S.D.	Min.	Max.	(N)
WBC	*10 <sup>3</sup> /UL	10.56 ±	2.610	(1279	9.466 ±	1.518	6.600	11.10	(13)
RBC	*10 <sup>6</sup> /UL	3.18 ±	0.38	(1297	3.100 ±	0.307	2.590	3.610	(9)
HGB	GM/DL	13.8 ±	1.5	(1335	13.91 ±	1.48	11.60	16.50	(9)
HCT	%	39.9 ±	4.5	(1716	39.23 ±	4.46	33.00	47.90	(13)
MCH	MG/DL	43.4 ±	2.8	(1280	44.86 ±	0.96	43.08	45.71	(9)
MCHC	uug	34.6 ±	1.8	(1320	34.46 ±	1.56	32.57	37.74	(9)
MCV	fL	125.7 ±	7.7	(1285	130.5 ±	7.5	116.0	138.8	(9)
SEGS	*10 <sup>3</sup> /UL	3.024 ±	1.699	(969)	3.321 ±	1.224	1.386	5.994	(13)
BANDS	*10 <sup>3</sup> /UL	0.854 ±	0.743	(567)	0.145 ±	0.138	0.000	0.333	(7)
LYMPHOCYTES	*10 <sup>3</sup> /UL	5.091 ±	3.159	(978)	3.603 ±	1.077	2.128	5.459	(13)
MONOCYTES	*10 <sup>3</sup> /UL	1.386 ±	1.621	(929)	2.263 ±	1.681	0.111	4.551	(13)
EOSINOPHILS	*10 <sup>3</sup> /UL	0.238 ±	0.313	(737)	0.261 ±	0.135	0.093	0.515	(10)
BASOPHILS	*10 <sup>3</sup> /UL	0.044 ±	0.077	(446)	0.000 ±	0.000	0.000	0.000	(4)
METAMYELOCYT	*10 <sup>3</sup> /UL				0.000 ±	0.000	0.000	0.000	(2)
NRBC	/100 WBC	0 ±	1	(35)	0.000 ±	0.000	0.000	0.000	(1)
PLATE. CNT.	*10 <sup>3</sup> /UL	422 ±	205	(147)					
RETICS	%	0.0 ±	0.0	(7)					
GLUCOSE	MG/DL	83 ±	15	(1208	92.70 ±	11.02	70.00	110.0	(10)
BUN	MG/DL	10 ±	3	(1230	8.336 ±	1.222	7.000	10.00	(11)
CREAT.	MG/DL	1.5 ±	0.4	(1161	1.390 ±	0.088	1.200	1.500	(10)
URIC ACID	MG/DL	0.2 ±	0.4	(457)	0.117 ±	0.133	0.000	0.300	(6)
CA	MG/DL	11.0 ±	0.6	(1207	11.03 ±	0.40	10.40	11.90	(11)
PHOS	MG/DL	4.9 ±	0.8	(1172	4.946 ±	1.112	3.800	7.400	(11)
NA	MEQ/L	129 ±	4	(1178	128.3 ±	1.7	125.0	131.0	(9)
K	MEQ/L	4.8 ±	0.5	(1192	4.478 ±	0.179	4.200	4.700	(9)
CL	MEQ/L	88 ±	3	(1146	89.13 ±	2.47	85.00	92.00	(8)
IRON	MCG/DL	81 ±	35	(48)					
MG	MG/DL	2.33 ±	0.51	(62)					
HCO3	MMOL/L	25.0 ±	2.9	(26)	27.23 ±	3.36	24.00	30.70	(3)
CHOL	MG/DL	67 ±	18	(1128	62.27 ±	7.38	51.00	73.00	(11)
TRIG	MG/DL	66 ±	30	(996)	45.25 ±	9.00	38.00	58.00	(4)
T. PROT. (C)	GM/DL	7.7 ±	0.6	(1050	8.291 ±	0.277	7.900	8.700	(11)
T. PROT. (R)	GM/DL	8.0 ±	0.4	(8)	7.750 ±	0.311	7.500	8.200	(4)
ALBUMIN (C)	GM/DL	3.6 ±	0.4	(983)	3.200 ±	0.458	2.800	4.100	(11)
GLOBULIN (C)	GM/DL	4.1 ±	0.6	(975)	5.170 ±	0.400	4.400	5.700	(10)
AST (SGOT)	IU/L	24 ±	9	(1174	18.82 ±	3.52	12.00	23.00	(11)
ALT (SGPT)	IU/L	6 ±	7	(423)	3.875 ±	4.257	0.000	10.00	(8)
T. BILI.	MG/DL	0.2 ±	0.1	(1015	0.182 ±	0.098	0.100	0.400	(11)
D. BILI	MG/DL	0.0 ±	0.1	(119)	0.300 ±	0.000	0.300	0.300	(1)
I. BILI.	MG/DL	0.1 ±	0.1	(118)	0.000 ±	0.000	0.000	0.000	(1)
AMYLASE	U/L	3332 ±	1484	(203)	2333 ±	1214	1168	3930	(8)
ALK. PHOS.	IU/L	128 ±	63	(1177	122.0 ±	18.0	91.00	146.0	(11)

Clinical Pathology Records Report - ISIS/In-House Reference Values  
TOPEKA ZOOLOGICAL PARK

Scientific name: *LOXODONTA AFRICANA*  
Common Name: African elephant

		ISIS Values			In-House Values				
		Mean	S.D.	(N)	Mean	S.D.	Min.	Max.	(N)
LDH	IU/L	993 ±	569	(1065)	798.8 ±	517.3	271.0	1340	(6)
CPK	IU/L	262 ±	215	(177)	130.3 ±	33.7	81.00	173.0	(7)
OSMOLARITY	MOSMOL/L	258 ±	4	(655)					
%COHB					8.900 ±	0.000	8.900	8.900	(1)
%MET HB					1.500 ±	0.000	1.500	1.500	(1)
%O2HB					68.40 ±	0.00	68.40	68.40	(1)
A/G RATIO	GM/DL				0.541 ±	0.045	0.500	0.600	(7)
ALPHA GLOB.	MG/DL	0.7 ±	0.0	(1)					
ALPHA-1 GLOB	MG/DL	0.5 ±	0.3	(3)					
ALPHA-2 GLOB	MG/DL	1.1 ±	0.4	(3)					
BETA GLOB.	MG/DL	1.2 ±	0.8	(2)					
BLOOD PH					7.303 ±	0.000	7.303	7.303	(1)
BUN/CREAT	MG/DL				5.843 ±	0.846	5.000	7.000	(7)
Body Temperature:		39.0 ±	0.0	(1)					
CO2	MMOL/L	27.1 ±	3.1	(798)	24.00 ±	0.00	24.00	24.00	(1)
PCO2	MMHG				61.40 ±	0.00	61.40	61.40	(1)
ESR	MM/HR	27 ±	0	(1)					
FIBRINOGEN	MG/DL	226 ±	164	(39)					
GGT	IU/L	12 ±	5	(293)	13.13 ±	3.04	9.000	17.00	(8)
LIPASE	U/L	10 ±	12	(37)					
MEAN CORPUSCULAR HEMOGLO					33.40 ±	0.00	33.40	33.40	(1)
O2 CT					13.10 ±	0.00	13.10	13.10	(1)
PO2	MMHG				38.00 ±	0.00	38.00	38.00	(1)
PROGESTERONE	NG/DL	144.5 ±	224.3	(225)	0.500 ±	0.000	0.500	0.500	(1)
SELENIUM	UG/DL				177.1 ±	0.0	177.1	177.1	(1)
TCO2	MM HG				32.60 ±	0.00	32.60	32.60	(1)
TESTOSTERONE	NG/ML	1.010 ±	1.117	(2)					
TOTAL T4	MCG/DL	11.0 ±	5.7	(4)					
T3 (RIA)	NG/ML	209.0 ±	0.0	(1)					
VITAMIN E					11.40 ±	0.00	11.40	11.40	(1)
ALBUMIN (E)	GM/DL	4.3 ±	0.2	(3)					
GAMMA GLOB	GM/DL	1.3 ±	0.6	(3)					