

Clinical Notes - Individual Specimen Report
TULSA ZOOLOGICAL PARK

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ELEPHAS MAXIMUS (no subsp)
ASIATIC ELEPHANT
Name: Sneezy
=====

Sex: Male Acc. #: 2702
Age: 34Y 4M Est. Birth: 17.Jul.1973
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.....2005...

19.Oct.2005

Problem: partial anorexia (Confirmed)

Proc 1. Visual exam: Keepers report animal off feed (hay only x 1 day) and feel that animal is walking with a stiff gait. Ocular, integumentary, musculoskeletal exam WNL. No lameness or obvious abdominal discomfort. Stool and urine appear grossly normal. Animal is eating browse currently.

A: Partial anorexia, lethargy - r/o non-specific finding v. systemic or metabolic disease.

P: Monitor. If anorexia persists 20-Oct-05, will attempt to obtain blood for CBC/Chem, fibrinogen. Keepers will collect feces and urine for analysis. (TAG)

20.Oct.2005

Problem: partial anorexia (Confirmed)

Proc 1. Visual exam: Animal continues off feed. Now will not eat grain. In PM, decreased interest in browse. Animal has only eaten small amount of produce. QAR, no observable signs of colic, no observable lameness.

Proc 2. Blood sample collected - EDTA and serum. CBC/Chem and fibrinogen to VPL.

Proc 3. Urinalysis - free catch obtained from floor of elephant barn. USG - 1.023, pH - 9.0, blood - NEG, leukocyte - NEG, nitrite -, protein - 1+, bilirubin -, ketone - NEG, glucose - 500, urobilinogen - NEG. NSF sediment analysis.

A: Continued partial anorexia. R/O abdominal discomfort/colic.

P: Increase walking in yard. Consider NSAID in AM 21-Oct-05 if no improvement. Pend diagnostics. (TAG)

21.Oct.2005

Problem: partial anorexia (Confirmed)

Proc 1. Visual exam: Continued anorexia. Animal lethargic, shifting weight at stand from side to side in stall. Poor appetite.

A: Suspected mild colic and mild hyopkalemia ond CBC/Chem, respectively.

Low HCT is artifact, normal when performed in house sample.

P: Continue frequent walking.

Rx: Flunixin meglumine 1250 mg IM, partial injection patient received 750 mg.

Flunixin meglumine 5000 mg (1 mg/kg) PO SID x 3 days

Trimeoprim/sulfadiazine 120,000 mg (24 mg/kg) PO SID x 6 days (TAG)

23.Oct.2005

Proc 1. Visual exam, keepers report animal is almost back to normal, appetite greatly improved, producing normal amounts of feces. monitor complete RX (KAB)

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25.Oct.2005

Proc 1. Visual exam: No significant findings. Keepers report normal appetite.
Proc 2. Blood sample collected - EDTA and serum. CBC/Chem and fibrinogen to VPL.
A: Colic resolved.
P: Monitor; continue TMS PO SID. (TAG)

31.Oct.2005

Keepers report animal back to normal from suspected mild colic, may have been due to amounts of browse offered the preceeding week.
Recheck blood values continue to be normal. (KAB)

.....2006....

4.Apr.2006

Problem: VACCINATION WNV

Proc 1. Vaccination: 1mL WNV Ft.Dodge 1666143A 28Apr07 IM R rear
1mL Tetanus toxoid Ft.Dodge 1630100A 10Jan07 IM R rear
Assess: routine vaccines
Plan: repeat vaccination q year (KEV)

16.Aug.2006

Cytology results from semen collection from 25 July 06.
Description: Four smears are evaluated. The smears contain numerous spermatozoa and an abundant amount of non-staining, refractile crystals. These crystals are consistent with calcium carbonates with variable morphology (spherical with internal striations and dumbbell shapes). The crystals are likely urine contaminants. A small amount of extracellular bacteria cocci are seen. There is no inflammation evident on the smears. The spermatozoa are normal appearing without excessive primary or secondary defects.
Microscopic findings: Calcium carbonate crystals. No other cytologic abnormalities.
Comments: Initially the crystals were thought to represent calcium carbonates and calcium oxalate monohydrates. A second pathologist opinion thought the crystals were all calcium carbonate with varying morphologies.
Floor catch urine sample culture results.
Bacteriology results- organism ID: Very large # of bacteria: E. coli, alpha streptococcus spp., streptococcus spp.
Normal contaminants (KHF)

10.Oct.2006

Routine fecal negative, no parasites seen. (RAB)

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.....2007....

2.Jan.2007

Problem: fractured tooth - right tusk (Confirmed)

Proc 1. Visual exam, has broken ~10-12 cm of right tusk off over the weekend. Keepers able to visualize and monitor as well as spray with nolvasan.

Assess:gingival sulcus is not affected, should grow out.

Plan: visual monitoring, flush as needed with dilute nolvasan.

Bull is in musth. (KAB)

23.Jan.2007

Problem: fractured tooth - right tusk (Confirmed); fracture - left tusk (Confirmed)

Proc 1. Visual exam, tusks broken back to gingival margins on both sides since being kept inside due to weather. Irritation and mild discharge from right tusk. Difficult to visualize left tusk due to debris. Keepers have been applying hydrotherapy and novalsan.

Assess: Mild infection/irritation right tusk sulcus.

Plan: Continue hydrotherapy and novalsan. Monitor. (RAB)

14.Feb.2007

Problem: fractured tooth - right tusk (Confirmed); fracture - left tusk (Confirmed)

Proc 1. National Veterinary Services Laboratories showed no mycobacteria isolation from three trunk washes 11 Nov-13 Nov. (RAB)

5.Apr.2007

Problem: fractured tooth - right tusk (Confirmed); fracture - left tusk (Confirmed)

Proc 1. Routine fecal direct and float: NPS (KHF)

20.Apr.2007

Problem: fractured tooth - right tusk (Confirmed); fracture - left tusk (Confirmed); VACCINATION WNV

Proc 1. Vaccination: 1 ml Fort Dodge West Nile Innovator IM right rear leg.

A: routine WNV vaccination

P: repeat yearly. (KHF)

18.May.2007

Problem: fractured tooth - right tusk (Confirmed); fracture - left tusk (Confirmed); VACCINATION EEE-T

Proc 1. Vaccination Fort Dodge Encephalomyelitis-Influenza vaccine with tetanus toxoid 1ml IM right rear leg. Serial 1807101A exp 12Nov07.

A: Routine vaccination.

P: repeat yearly. (RAB)

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9.Oct.2007

Problem: fractured tooth - right tusk (Confirmed); fracture - left tusk
(Confirmed)

Fecal (routine): negative (ACH)



Taxonomic name: *Elephas maximus*

Family: Elephantidae

Common name: Asiatic elephant

Order: Proboscidea

Current information

Sex:	Male	Sire ID:	WILD at Obtained From Wild
Birth type:	Wild Born	Dam ID:	WILD at Obtained From Wild
Birth Location:	Obtained From Wild	Rearing:	Parent
Birthdate-Age:	~ Jul 1973 - 34Y,3M,16D +/-06 Mo.	Hybrid:	Not a hybrid
Time since last Acq:	29Y,11M,3D as of report end date		

Date in	Acquisition - Vendor/local Id	Holder	Disposition - Recipient/local Id	Date out
29 Nov 1977	Loan In from MEMPHIS / 0251	TULSA / 2702		

Date	Identifier type	Identifier	Location	Comments
29 Nov 1977	Regional Studbook #	160	AZA	160
29 Nov 1977	Studbook Name	SNEEZY		"international Studbook Number" from ARKS 2 records
29 Nov 1977	House Name	Sneezy		

Date	Type	Value	Units	Comments
14 Nov 2005	live animal weight	12124	pound	MC
10 Jan 2007	shoulder height	113	inch	JS

Date	Note type	Comments
5 Oct 1998	Medical note	Locked in chute for procedure tomorrow. Gave Banamine for anticipated pain. [[PL]]
6 Oct 1998	Medical note	Immobilized and lanced abscess near right temporal gland. Flushed with Betadine. [[PL]]
7 Oct 1998	Medical note	Finished Banamine. Given Phenyl Butazone for anticipated pain, for three days. Started hydrotherapy on right temporal gland area. [[PL]]
28 Oct 1998	Medical note	Last of three trunk exhalations taken for USDA required TB test. [[PL]]
5 Aug 1999	Physical condition	Both temporal glands are draining. [[PL]]
5 Nov 1999	Medical note	Trunk wash administered to all elephants for the USDA required TB test. This comment added to IDs: 2702, 2181, 327 [[PL]]
22 Nov 1999	Physical condition	Right temporal gland area is swollen. [[PL]]
23 Feb 2000	Physical condition	Draining from left temporal gland, right gland is slightly everted with a white globule showing. [[PL]]
24 Feb 2000	Medical note	Hydrotherapy begun on right temporal gland area, once/daily until further notice. [[PL]]
26 Feb 2000	Physical condition	Large amount of thick white discharge from right TG area. Examined by Dr. Larry. [[PL]]
27 Feb 2000	Medical note	Dr. Backues looked at right TG and wants hydrotherapy to continue for seven more days. [[PL]]
5 Mar 2000	Medical note	Discontinue hydrotherapy on right TG area. [[PL]]
24 Apr 2000	Foot management	JS worked on nails #3, 5 at the outside training wall. This is the first time in well over a year that his front feet have been worked on. [[PL]]
27 May 2000	Animal management note	Reduced his grain to 2 scoops each of Elephant chow and Herbivore diet to help curb his musth. [[PL]]
30 May 2000	Physical condition	Draining lightly in a.m. and medium in p.m. from left TG. [[PL]]
1 Jun 2000	Physical condition	Draining slightly from left TG. Appetite has decreased. [[PL]]
3 Jun 2000	Physical condition	Draining slightly from left TG. Is also aggressive towards doors. [[PL]]
4 Jun 2000	Medical note	Hydrotherapy on right TG. [[PL]]
6 Jun 2000	Physical condition	Right TG is swollen. [[PL]]
16 Jun 2000	Physical condition	Draining from left temporal gland (TG) down to chin, right TG is draining 1/3 down face. [[PL]]
18 Jun 2000	Physical condition	Draining from left temporal gland (TG) down to chin, right TG is draining 1/2 down face. [[PL]]
22 Jun 2000	Physical condition	Draining from both TG. [[PL]]
23 Jun 2000	Physical condition	Draining from both TG. [[PL]]
29 Jun 2000	Physical condition	Draining heavily from both TG. [[DG]]
2 Jul 2000	Physical condition	Very lethargic, walking and reacting slowly, and displaying little aggression even though he's in musth. [[JS]]



Date	Event/Note	Description
		First thing in a.m. MC
7 Aug 2005	Training note	Training note: starting today, he will be locked in barn stalls overnight. Also, came in at 6 a.m. today. MC
9 Aug 2005	Electroejaculation	Semen collection: obtained one sample, increased concentration but no motility (analyzed 1.5 hours after collection). JS
10 Aug 2005	Training note	Given access to yard overnight, the semen collection for Dr. Schmitt was cancelled. MH
26 Aug 2005	Electroejaculation	Semen collection: ~1:30 p.m., two samples looked at. First sample yielded heavy concentration, no motility. Second sample not as concentrated and ~5% motility. Good morphology. He was cooperative, well behaved. MC
27 Aug 2005	Electroejaculation	Semen collection: several combination urine/semen samples. Two samples looked at: good concentration/5-10% motility. MC
28 Aug 2005	Electroejaculation	Semen collection: several combination urine/semen samples. Two samples looked at: dilute samples with clumps of good motility. AK
4 Sep 2005	Electroejaculation	Semen collection: one sample yielding average concentration and no motility. Approximately 15 minutes long. MC
5 Sep 2005	Animal management note	Locked inside overnight with no access to water, in preparation for semen collections (tomorrow). JS
6 Sep 2005	Electroejaculation	Semen collection: day 1 of 3 collection for Honolulu's attempt. Several samples yielding 70-90% motility and high concentration. JS John Bradford of Dickerson Park Zoo performed/assisted with collection. PL
7 Sep 2005	Electroejaculation	Semen collection: day 2 of 3 collections for Honolulu. Collected five excellent samples. MS
7 Sep 2005	Breeding management	Information on female elephant at Honolulu Zoo that is to be inseminated with semen from our male 2702: HONOLULU #821294, AZA studbook #125, house name "Mari". PL
8 Sep 2005	Electroejaculation	Semen collection: day 3 of 3 collection for Honolulu. He was very cooperative overall, three samples obtained yielding 50-7-% motility. Was 15 minutes in duration in a.m. John Bradford performed again. MC Semen evaluation for Honolulu AI: worst quality of the three days, but still quite acceptable ~75% motile. KV
10 Sep 2005	Physical condition	There is a raised area under R temporal area, the size of a quarter. Looks like a wart. JS
11 Sep 2005	Physical condition	R temporal swelling appears larger and more irritated today. MC
12 Sep 2005	Physical condition	R temporal abscess area ruptured overnight. Seems to be bothering him. Receiving hydrotherapy. JS
13 Sep 2005	Physical condition	During hydrotherapy/bath, a white secretion/discharge was secreted from R temporal abscess. Still seems to be bothering him, but seems to be healing. JS
14 Sep 2005	Physical condition	Temporal gland abscess appears greatly diminished and not as bothersome. JS
16 Sep 2005	Electroejaculation	Semen collection attempt: obtained two samples, were not analyzed for quality/content. Preparation for (upcoming) collection for Woodland Park Zoo. JS
16 Sep 2005	Animal management note	Locked in overnight due to upcoming AI procedure.
18 Sep 2005	Physical condition	Temporal gland appears normal. MC
18 Sep 2005	Electroejaculation	Semen collection: 1st morning of semen collections for Woodland Park Zoo AI attempt ("Chai"). Several good samples obtained and extended. Two 100 ml vials shipped for evening AI attempt. Male 2702 was well behaved and cooperative. Collection duration was ~ 15 minutes. Assisted by John Bradford again. MC
19 Sep 2005	Electroejaculation	Semen collection: 2nd day of semen collections for WPZ AI attempt with female studbook #246. Several excellent samples obtained and shipped. Assisted by John Bradford again. Went ahead and locked Sneezy in overnight. Unsure as to schedule tomorrow. MC
20 Sep 2005	Electroejaculation	Semen collection: obtained four samples ranging from 50-75% motility. JS
27 Sep 2005	Medical note	Blood draw attempt. JS/MLL
27 Sep 2005	Medical note	Day 1 of 3 - TB testing on 2702, 327, 12181. All three did great, full samples. JS
28 Sep 2005	Medical note	Day 2 of 3 - TB testing on 2702, 327, 12181. All three did great, full samples. AK
29 Sep 2005	Medical note	Day 3 of 3 - TB testing on 2702, 327, 12181. MC
21 Oct 2005	Physical condition	Day three of acting abnormally. During a.m. he was even more stiff/immobile, and having no interest in produce or hay. Keepers walked him several times today. Ate some in p.m., but still stiff. JS
21 Oct 2005	Medical note	Started Banamine paste, also received Banamine injection. JS
22 Oct 2005	Physical condition	Doing much better today, moving well. JS
22 Oct 2005	Medical note	Experimented with several "concoctions" to present his meds. The best results are: Banamine (oatmeal



14 Nov 2005	Weight/Length	paste with brown sugar) and TMS (powder coating on a.m. and p.m. grain and/or sweet feed). JS
4 Dec 2005	Electroejaculation	He willingly went into the scale area. This is the first weight obtained in the new facility! JS
11 Dec 2005	Electroejaculation	Semen collection attempt: obtained four samples. He was very cooperative. Good session overall. Moaning vocalization during contraction. MC
17 Dec 2005	Electroejaculation	Semen collection attempt: shifted into ERD without hesitation. Was cooperative and responded, however no samples obtained. Rectum was irritated, blood on gloves. JG
18 Dec 2005	Electroejaculation	Semen collection attempt: no urinations or samples. He was fairly cooperative. JS
19 Dec 2005	Electroejaculation	Semen collection attempt: one very good sample, good concentration but no motility 30 minutes after collection when viewed. He was cooperative.
21 Jan 2006	Electroejaculation	Semen collection attempt: very cooperative, several urinations, but no sample. MC
22 Jan 2006	Electroejaculation	Semen collection attempt: overall cooperative. Single combo sample obtained and viewed by staff with scope: no progressive motility, good morphology. MC
23 Jan 2006	Electroejaculation	Semen collection attempt: very compliant. Three samples, no motility. MC
11 Feb 2006	Environment	Semen collection attempt, day 3 of 3: very compliant. One true sample with moderate concentration but no motility. JS
13 Feb 2006	Environment	None of the heaters were working in the barn today. Propane heaters were set up at bull end and NE corner for heat. TV, AK
28 Feb 2006	Electroejaculation	Barn heaters operational, and city HVAC will return tomorrow to finish repairs. All heaters working except one nearest barn service doors. MC, MS
2 Mar 2006	Electroejaculation	This comment was added to the following specimens: 327, 2702, 12181.
3 Mar 2006	Electroejaculation	Semen collection attempt in preparation for AI collections later this week. Acquired 3 highly concentrated samples. MS, JS
4 Mar 2006	Behavior note	Attempted to collect semen. Elephant #2702 was uncooperative. MC
23 Mar 2006	Note	Semen collection attempt with 2702. Refused to lock in chute AM. Acquired several samples in PM. Motility 70-80%. Shipped to National Zoo. MS
23 Mar 2006	Physical condition	Locked in ERD without hesitation in AM and PM. MC
27 Mar 2006	Physical condition	Approximately 2/3 of a hoof knife was found in stall during AM cleaning. Location of broken portion remains undetermined. MC
29 Mar 2006	Physical condition	Appears to be going into musth. MC
29 Mar 2006	Behavior note	Has begun draining from L temporal gland. MC
31 Mar 2006	Physical condition	Moderate draining from the L temporal gland.
4 Apr 2006	Medical treatment	Very compliant today. No problem with hitting the doors when locking outside for the day.
5 Apr 2006	Animal management note	No visible draining form L temporal gland. MC
6 Apr 2006	Electroejaculation	All elephants (2702, 327, 12181) received WNV and tatanus vaccinations. AM, LK
8 Apr 2006	Electroejaculation	Elephant 2702 locked indoors over night for collection routine. Water was turned off. MS
9 Apr 2006	Electroejaculation	Attempted to "strip" elephant 2702 in AM. Became aroused, but did not pass a sample. Overall, very cooperative. MC
10 Apr 2006	Electroejaculation	Several samples obtained with good volume, good concentration, but no motility. MC
28 Apr 2006	Electroejaculation	Several large-volume samples obtained. Concentration was good. Motility at 20%. Samples shipped to WPZ. MC
3 May 2006	Diet	Collected approximately 10ml, good concentration, 80-90% motility. Shipped to WZP. MC
12 May 2006	Electroejaculation	Obtained one true sample, and there was no motility. MC
13 May 2006	Electroejaculation	Began mixing Timothy hay in with prairie hay for elephants (2702, 327, 12181) and white rhinos (5590, 5591). MH
14 May 2006	Electroejaculation	Semen collection attempt. Obtained 3 samples with high concentration but no motility. MC
23 May 2006	Electroejaculation	Semen collection attempt. Four samples with great morphology and high concentration. Sample #2 had 15% motility. Sample #3 had clusters of movement but no progressive motility. JS
25 May 2006	Electroejaculation	Five samples obtained in PM with low concentration and motility. JS
		Semen collection: sample #1, 15% motility; sample #2, 75% motility. MH
		Several great samples obtained yielding great concentration, morphology, and motility. Collection for



Wendy Kiso's extender research. MC

5 Jun 2006	Electroejaculation	Collected 2 samples with medium concentration, good morphology, and 30-35% motility. MC
7 Jun 2006	Electroejaculation	Collection went well. Average motility at 30%. MS, MC
8 Jun 2006	Electroejaculation	Semen collection attempt: did not obtain any usable samples for day 2 of AI for National Zoo. MC
9 Jun 2006	Electroejaculation	Semen collection attempt: did not obtain any samples. Day 3 of 3 for AI attempt for National Zoo. JS
23 Jun 2006	Electroejaculation	Semen collection attempt. Obtained 3 samples: all were concentrated, but none had motility due to urine contamination. JS
25 Jun 2006	Electroejaculation	Semen collection attempt. Obtained 2 samples roughly. Day 1 of 3, collection for Albuquerque Biological Park. JS
26 Jun 2006	Electroejaculation	Semen collection attempt. Several samples obtained with best yield of 20-30% motility. Sent sample to Albuquerque Biological Park. MC
27 Jun 2006	Electroejaculation	Semen collection attempt. Day 3 of 3 for Albuquerque samples. Samples mostly urine contaminated. Two samples yielded 40-50% motility at regular concentration. MS, JS
22 Jul 2006	Electroejaculation	Semen collection attempt: 3 samples, high concentration, no progressive motility. AK, MC
24 Jul 2006	Electroejaculation	Semen collection attempt. Obtained contaminated samples with moderate concentration but no motility. Attempts utilized for Wendy Keiso's research on seminal plasma. JS, MC
25 Jul 2006	Electroejaculation	Semen collection attempt: some moderate concentration, no motility, not utilized for research. JS, MS
2 Aug 2006	Diet	Cleared the use of prairie hay with KD. Now using 1/2 prairie hay and 1/2 timothy hay. MH, MS
17 Aug 2006	Environment	A section of pipe around 3-4' long was found in the bull pool in AM. Apparently the section had not been securely welded on. MH, MC
22 Aug 2006	Electroejaculation	Semen collection attempt. Some samples were high in concentration, and a few had slight motility (not progressive). MS, JS
24 Aug 2006	Electroejaculation	Morning semen collection for Have Trunk-Will Travel. Two samples shipped: 20-30 ml, 50% motility. MH, MC
25 Aug 2006	Electroejaculation	Semen collection attempt in AM. Day 2 for Have Trunk Will Travel. Samples yielded no progressive motility, and none were shipped. MS, JS
1 Sep 2006	Animal management note	Locked in all day and overnight due to construction. JS
9 Sep 2006	Enrichment note	Enrichment Day: given pipe pig ball enrichment (world cup soccer), enrichment wonderland with bamboo/watermelon men, bubbles in pool, ice block, and popcorn. MC, JS
17 Sep 2006	Behavior note	Was extremely playful for approximately 30 minutes. He trumpeted about a dozen times or so and threw his trunk around. He also "ran" into his pool then kicked his back legs in the air. JS, MC
27 Sep 2006	Physical condition	Draining from temporal glands. AK, MS
1 Oct 2006	Physical condition	L temporal area still red and draining slightly. JS, MC
11 Oct 2006	Medical note	Day 1 of 3 TB tests. All were successful today. AK, JS
11 Oct 2006	Physical condition	Mouth behavior: hitting doors, urine dribbling, and draining from temporal glands. AK, JS
12 Oct 2006	Medical note	Day 2 of 3 for TB tests on elephants (2702, 327, 12181). MS, JS
13 Oct 2006	Medical note	Day 3 of 3 for elephant (2702, 327, 12181) TB tests. MS, JS
19 Oct 2006	Physical condition	Elephant 2702 has an abrasion on his trunk and another on his lip. These injuries were acquired while sparring with female 12181. MS, TV
1 Nov 2006	Electroejaculation	Semen collection attempt. Obtained 6-8 samples. Most were urine contaminated. Two samples had moderate concentration but no motility. Overall did well. JS, MS
2 Nov 2006	Electroejaculation	Semen collection attempt: several samples were obtained yielding no concentration or motility. MS, MC
14 Nov 2006	Electroejaculation	Semen collection attempt. Obtained three true samples: 5-10% motility with average concentration. JS
17 Nov 2006	Electroejaculation	Semen collection attempt: no concentration, no motility, several urinations. JS, MC
18 Nov 2006	Electroejaculation	Semen collection attempt cancelled by Busch Gardens for today. JS
19 Nov 2006	Electroejaculation	Semen collection attempt. Several samples obtained yielding mediocre motility but excellent concentration. Sent to Busch Gardens. AK, MC
20 Nov 2006	Electroejaculation	Semen collection (day 2). Sneazy was hitting pivot door when closing to clean chute, but did not hesitate to enter or be locked into chute. No samples sent - no concentration or motility - several urinations. MC
24 Nov 2006	Animal management note	Day 1 of access to yard gate without chains. He will be monitored throughout the day and chained overnight. JS



29 Nov 2006	Electroejaculation	Semen Collection: three good samples, high concentration, 5% motility. AK, JS
1 Dec 2006	Electroejaculation	Semen collection attempt for Albuquerque in PM. Concentration was decent, but motility was low. Samples were not shipped. JS
2 Dec 2006	Electroejaculation	Semen collection attempt for Albuquerque. He was very cooperative. Most samples were urine contaminated, but approximately 17cc yielded high motility. Sample was extended and shipped. JS
3 Dec 2006	Electroejaculation	AM and PM semen collection attempts. Morning samples were not sent due to urine contamination. Afternoon samples had great motility and low volume. Samples were extended and sent to Albuquerque for AI attempt with Alice (SB#15). Additional, mediocre samples were sent as well. MC
12 Dec 2006	Animal management note	Blood draws on elephants (2702, 327, 12181) will include whole blood every week, until further notice, for herpes research. JS
21 Dec 2006	Physical condition	Draining from L temporal. A little discompliant. JS
22 Dec 2006	Enrichment note	Gatorade mix in elephant (2702, 327, 12181) drinkers overnight for enrichment. JS
24 Dec 2006	Diet	Reduced hay offered today. Still draining from temporal gland, but he is better behaved today. MC
26 Dec 2006	Physical condition	Draining more from L temporal gland. MS
26 Dec 2006	Aggression	Was aggressive during blood draw attempt. Left the chute, then came back in, and he was reaching through the leg door, trying to grab. He also fought the bull door when putting him outside. MS
30 Dec 2006	Animal management note	Whole blood draw from RR leg. JS
31 Dec 2006	Physical condition	Broke off approximately 6 inch section of R tusk when shifting over from W to E bull stall. Break goes beyond gum line. AK
1 Jan 2007	Physical condition	Base of R tusk looks irritated. MC
6 Jan 2007	Behavior note	Today was the first day in a while that he fully cooperated for all aspects of shifting. JS
6 Jan 2007	Physical condition	Continues draining from L temporal gland. JS
10 Jan 2007	Physical condition	An additional section of his R tusk appears to have been broken off. Will continue to monitor for infection. JS
10 Jan 2007	Medical treatment	Hydrotherapy in AM. Nolvasan flush in PM. JS
10 Jan 2007	Physical condition	Still draining from L temporal. JS
11 Jan 2007	Foot management	Obtained thermal images of elephants (2702, 327, 12181). They were very cooperative. JS
14 Jan 2007	Behavior note	Would not let the shift door close in AM. Three timeouts, and did not receive AM grain. At PM shifting, he hit the door the first try and broke his L tusk. After the second try in PM, he allowed us to clean both stalls. MC
15 Jan 2007	Physical condition	Still draining from both temporal glands. AK
19 Jan 2007	Physical condition	Still draining from both temporals. JS
23 Jan 2007	Physical condition	White viscous discharge from R tusk area. JS
23 Jan 2007	Medical treatment	Examined by KAB. Continuation of hydrotherapy and nolvasan. JS
23 Jan 2007	Physical condition	Infected L tusk. RAB
26 Jan 2007	Electroejaculation	Semen collection attempt in AM: no samples obtained. JS
27 Jan 2007	Electroejaculation	Semen collection in AM: 3 samples, high concentration with clustered motility. JS
27 Jan 2007	Physical condition	No noticeable drainage from either temporal gland. JS
29 Jan 2007	Electroejaculation	Semen collection day 1: very compliant but somewhat irritable, many combination samples. MC
30 Jan 2007	Electroejaculation	Semen collection: obtained no true samples, Dr Schmitt and Wendy Keiso collected, SMSU students assisted, 2702 very cooperative. JS
31 Jan 2007	Electroejaculation	Semen collection with Dr. Schmitt and Wendy K.: one sample with no motility. JS
1 Feb 2007	Electroejaculation	Semen collection: obtained one sample, highly concentrated, no true motility. JS
2 Feb 2007	Electroejaculation	Semen collection: Wendy K. and Dr. Schmitt, 30% motility sample, motility not high enough for research. JS
4 Feb 2007	Diet	Grain adjustment: 2 scoops - 2X daily. TV
22 Feb 2007	Animal management note	First time having access to the reserve yard. Experience was very positive. He was accessed only to the bull yard overnight. JS
24 Feb 2007	Electroejaculation	Semen collection attempt: obtained a few "combo" samples that may have contained semen. Overall, he did very well. JS
26 Feb 2007	Electroejaculation	Semen collection attempt for Albuquerque (Rio Grand Zoo). Low motility sample sent Air Net. MC



27 Feb 2007	Electroejaculation	Semen collection attempt AM: day 2 for Rio Grand Zoo, obtained about 40ml of 90-95% motility, 4-5 in progressive motion. PM attempt: dilute, decent motility, low volume. Sent to Rio Grand Zoo for AI attempt on female SB#15. JS
28 Feb 2007	Electroejaculation	Semen collection attempt: 4 samples equaling 20ml, 95-100% motility, progressive rate 4-5. Samples were not needed for Rio Grand Zoo. JS
6 Mar 2007	Training note	Training session in reserve yard. Session was very successful, and 2702 was very compliant and eager to participate. JS
8 Mar 2007	Behavior note	Observed moving hydraulic gate freely, with ease. Piston broken? Gate was chained closed. JS
12 Mar 2007	Electroejaculation	Semen collection in PM to clean him out in prep. for AM collection. MS
13 Mar 2007	Electroejaculation	AM collection attempt: several samples at 80% motility; however, motility dropped to 60-65% once extended. Shipped to Woodland Park. PM collection: a few samples, low concentration, contaminated, none were extended. JS
14 Mar 2007	Electroejaculation	No AM collection was made due to staffing. Day 2 for Woodland Park's Chai. Woodland Park's AI attempts are concluded for this cycle. JS
16 Mar 2007	Electroejaculation	PM collection: very responsive to JS, high concentration, no motility. MC
17 Mar 2007	Electroejaculation	PM collection: 2 true samples, high concentration, 5% motility, prep for Busch Garden's "Rosie," SB#34. JS
18 Mar 2007	Electroejaculation	Semen collection: no contamination, very little motility, mediocre concentration. MC
19 Mar 2007	Electroejaculation	Semen collection: low volume (7ml), below average concentration, good motility. Sample was extended and sent to Busch Gardens Tampa. MC
30 Mar 2007	Electroejaculation	Semen collection: a few samples, high concentration, motile clumping, a few with progressive motility. Clean out in prep for National Zoo AI starting March 31st. JS
31 Mar 2007	Electroejaculation	Semen collection for National Zoo's SB#165: very good samples, about 14ml, extended and shipped. JS
1 Apr 2007	Electroejaculation	Semen collection: sample appeared poor initially but improved to 40% motility with extension. Shipped to National Zoo. MC
1 Apr 2007	Animal management note	Bathed 1.2 elephants (2702, 327, 12181). MC
2 Apr 2007	Electroejaculation	Semen collection: urine contaminated samples prepared and sent to Busch Gardens for research. MC
3 Apr 2007	Environment	Operations began construction on scratching wall. JS
7 Apr 2007	Physical condition	Continues to drain heavily from L temporal gland. MC
10 Apr 2007	Physical condition	All 1.2 elephants (2702, 327, 12181) are draining from temporal glands. AK
17 Apr 2007	Physical condition	Had loose stools in afternoon. Also seems to have a stomach ache. Did not eat PM grain. JS
20 Apr 2007	Medical note	1.2 elephants (2702, 327, 12181) received WNV vax. Fecal results were also negative. JS
21 Apr 2007	Enrichment note	Elm and hackberry browse to 1.2 elephants (2702, 327, 12181). JS
6 May 2007	Electroejaculation	Semen collection: cleanout for Honolulu Zoo, obtained 1 combo sample, no motility. AK
7 May 2007	Electroejaculation	Semen collection: for Honolulu Zoo AI of Vaigai (SB#338), several samples with 30-45% motility and high concentration, assisted by John Bradford. AK
9 May 2007	Electroejaculation	Semen collection: day 3 for Honolulu, 3 samples yielding about 40% motility. Samples were not shipped. This completed our efforts for this AI attempt. AK
10 May 2007	Electroejaculation	Semen collection: AM, obtained 3 samples, high concentration, about 10% motility, for Wendy Kieko's research. JS
15 May 2007	Enrichment note	Bamboo and elm browse to 1.2 elephants (2702, 327, 12181). JS
18 May 2007	Medical treatment	1.2 elephants (2702, 327, 12181) and 1.1 rhinos (5590-1) received Tetanus / encephalitis vaccines. MC
27 May 2007	Enrichment note	Bamboo to 1.2 elephants (2702, 327, 12181). AK
6 Jun 2007	Enrichment note	Enrichment in reserve yard: scents, watermelon men, bubble pool, popsicles, etc. AK
17 Jun 2007	Enrichment note	Bamboo browse to 1.2 elephants (2702, 327, 12181). Pipe pig ball to #2702. MC
27 Jun 2007	Enrichment note	Peanut butter / bread cake enrichment for 35th birthday. JS
13 Jul 2007	Enrichment note	Bamboo, cane, and mulberry browse to 1.2 elephants (2702, 327, 12181). JS
5 Aug 2007	Electroejaculation	Semen collection - clean out for the next 3 days: non-motile, mostly urine. TV
6 Aug 2007	Electroejaculation	Semen collection for Buffalo: many samples with little to no motility - some having urine contamination, one sample with 40% motility before extending. MC
7 Aug 2007	Electroejaculation	Semen collection day 2 for Buffalo Zoo: the best sample yielded 50% before extending and then only 5%,



8 Aug 2007	Electroejaculation	did not ship. JS
27 Aug 2007	Research note	Semen collection day 3: he would not comply, collection cancelled. JS
5 Sep 2007	Electroejaculation	Blood drawn from 1.2 elephants (2702, 327, 12181) for "genetic defense against disease" study. MC
12 Sep 2007	Enrichment note	AM collection: samples 5-10% motility, for Busch Gardens AI attempt. PM: low concentration and no motility. JS
17 Sep 2007	Electroejaculation	Bubble baths for 1.2 elephants (2702, 327, 12181). JS
18 Sep 2007	Electroejaculation	Clean out session - did pass pure unmotile, heavily concentrated samples. AK
30 Sep 2007	Electroejaculation	Semen collection: PM attempt, obtained about 70ml semen, high concentration, under 5% motility. JS
1 Oct 2007	Electroejaculation	Cleaned out for AI later in the week. Concentration was high, motility was low. TV
2 Oct 2007	Electroejaculation	Collection: obtained 30% motility with some clumping, others were low concentration and motility. JS
3 Oct 2007	Electroejaculation	Collection: obtained a few samples with some motility and moderate concentration. JS
4 Oct 2007	Electroejaculation	AM collection: obtained a 3ml sample with 70% motility and high concentration. Sent to Busch Gardens for AI with Rosie (SB#34). PM collection: obtained 1 sample with clumping, no progressive motility, and moderate concentration. MC
8 Oct 2007	Enrichment note	Semen collection AM: obtained one sample, about 2ml, high motility and concentration, sent to Busch Gardens to AI Carina (SB#30). JS, MC
		Bamboo and banana trees to 1.2 elephants (2702, 327,12181). AK

<u>Date</u>	<u>Enclosure</u>	<u>Reason</u>
25 Mar 1995	EL3	Moved to the new elephant facility. Male elephant #2702 got to stay outside all night in his new yard for the first time.

<u>Date</u>	<u>Sex</u>	<u>Comments</u>
29 Nov 1977	Male	

<u>Date</u>	<u>Rearing</u>	<u>Comments</u>
29 Nov 1977	Parent	

<u>Date</u>	<u>Parent(s)</u>	<u>local Id</u>	<u>Location</u>	<u>Comments</u>
29 Nov 1977	Sire	WILD	WILD	
29 Nov 1977	Dam	WILD	WILD	

