

**2007**  
North  
American  
Regional  
Studbook  
for the  
**Red-  
legged  
seriema**  
*(Cariama cristata)*

Sara Hallager  
National Zoological  
Park



Smithsonian  
*National Zoological Park*

**ASSOCIATION  
OF ZOOS &  
AQUARIUMS**

# 2007

**NORTH AMERICAN STUDBOOK**  
for the

# RED-LEGGED SERIEMA

*(Cariama cristata)*

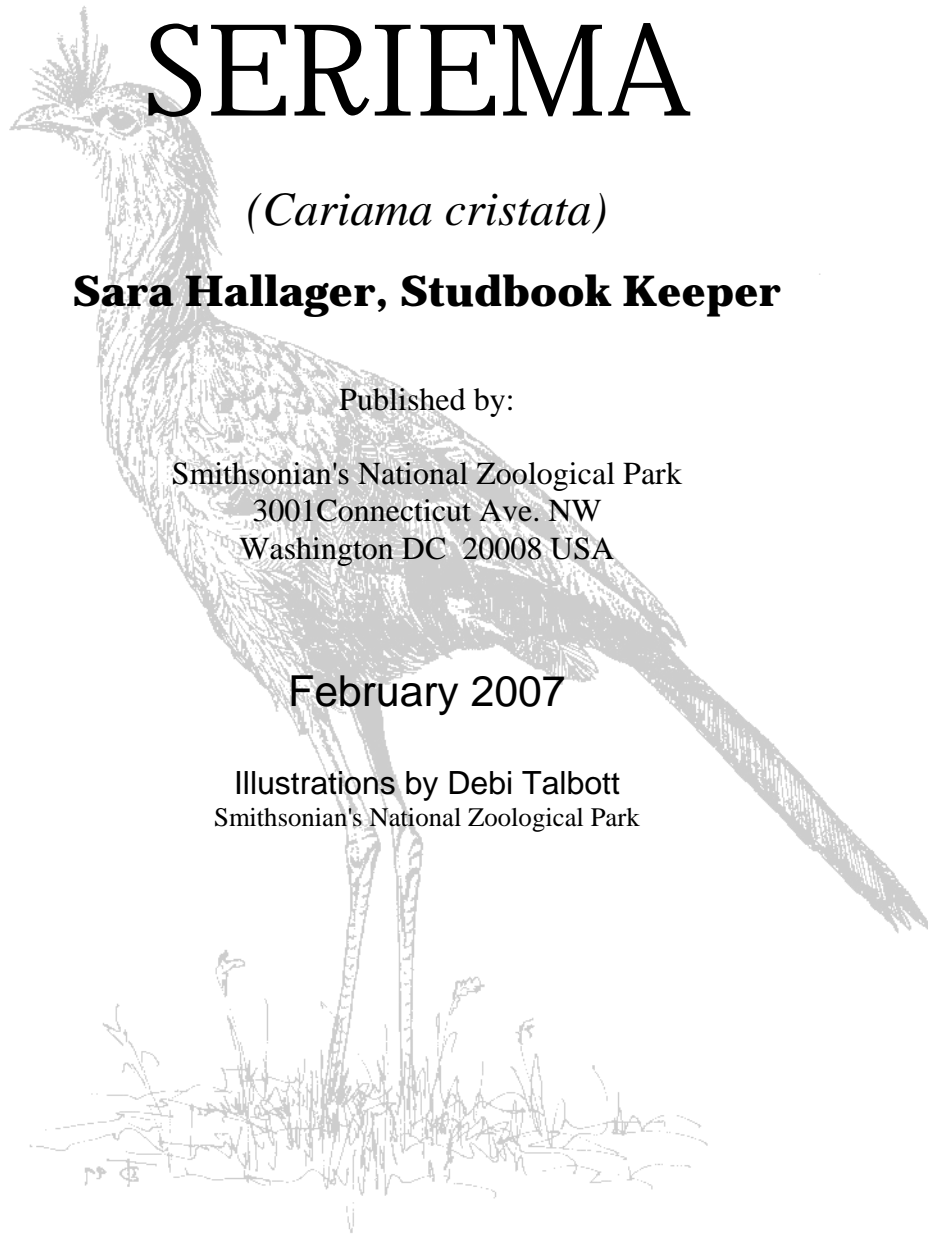
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## INTRODUCTION

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The formation of the North American Regional Studbook for the red-legged seriema was approved by WCMC (Wildlife Conservation and Management Committee) in April of 1997. This is the fifth edition of this studbook. Data is current through 31 January 2007. The Historical Studbook records 260 (83.82.95) birds maintained in zoos and private facilities in North America from 1891 through January 2007. The Living Studbook contains 51 (20.22.9) individuals in 27 institutions.

When the exact capture location of a wild caught bird is known, it is reported in the studbook. Birds reported only as 'wild caught' have their capture location listed as South America.

Hatch dates for wild caught birds are estimated to the year, unless institutions have reported otherwise. The hatch date for wild caught birds is based on the year the bird arrived in a facility. It was assumed that young birds were captured for facilities and that a dealer did not hold the birds for an extended period of time. Thus, the hatch date for wild caught birds is generally one year before the bird was first reported in a facility, unless a facility has provided information to the contrary.

Some seriemas in the studbook are listed as 'lost to follow up' (luf). In the studbook columns, this will be indicated with the word 'unknown' in the last line of the removal date column. This means that the current status (i.e. alive or dead) in addition to the current location of the bird in question cannot be established.

Captive breeding was first reported in the United States in 1973. Therefore, birds with an unknown origin prior to this date were assumed wild caught.

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## STUDBOOK FORMAT

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The red-legged seriema studbook uses the Single Population Animal Record Keeping System (SPARKS) program, version 1.4.2.

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*STUD #:* Birds permanent studbook number. Each institution should enter the studbook number into ARKS for all animals that they have held.

*SEX:* M= male      F= female      U= unknown

*HATCH DATE:* Birds hatch date. A tilde mark '~' before the date indicates an approximate date. '?' indicates that the hatch date is unknown.

*SIRE and DAM:* Studbook numbers for the birds sire and dam. 'Unk' indicates that either or both are unknown. 'Mult' indicates that there are several possible sires and/or dams.

*LOCATION:* The facility that has acquired the bird. An alphabetical listing of current holding locations as well as all historic holding sites including addresses is included at the end of the studbook. If a bird is no longer traceable, 'lft' (lost to follow up) will appear to the right of the last known location.

*DATE:* The date on which the bird arrived or left a facility. A tilde '~' mark indicates that the arrival date is approximate. 'Unk' indicates that the date is unknown.

*LOCAL ID:* The facilities local identification number (often the ISIS number as well).

*EVENT:* Capture, Birth, Transfer (physical move with corresponding ownership change), Loan (physical move with no ownership change), Death.

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## NATURAL HISTORY

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### RANGE & HABITAT

The red-legged seriema (*Cariama cristata*) ranges in South America from central and eastern Brazil through eastern Bolivia and Paraguay to Uruguay and central Argentina. It can be found in lightly wooded areas, as well as open savanna like areas. The main concentration of red-legged seriemas is in the grassy savanna region of central Brazil. Here, termite mounds litter the landscape and provide seriemas with places from which to sing and scout for food. Further south, seriemas are found in more wooded areas, as well as grasslands. They can be found at elevations of 2000m. Seriemas have recently colonized man-made grassy areas, and other semi open areas of Brazil, which were formally covered by tropical forests. They are often found in areas wher fire has recently passed through and where insects and small vertebrates may be easily found. Seriemas are territorial and usually sedentary in their movements, although movements in response to temperature changes have been reported.

### DESCRIPTION & HABITS

Male and female red-legged seriemas look alike, with males being slightly larger than females. Birds weigh approximately 2.5-3.0 kg, and stand about 90 cm. Their most striking feature is their crest, which is unique among South American birds. The crest is comprised of tufts of permanently raised slightly stiff feathers at the base of the bill, which can reach 10cm in length. Males have longer crest feathers. They are one of the few birds with eyelashes. Seriemas have loose plumage, especially on the neck and underparts. Red-legged seriemas are mainly gray in coloration, with shades of brown, except the abdomen, which is white. The wing and tail feathers are banded black and white. The skin surrounding the eye is blue, and the iris of the eye is yellow. The bill and the legs are both red. The hooked beak is often compared to that of a raptor. Mostly ground dwelling birds, seriemas



have three short, very sharp front toes, and a raised smaller hind toe. This anatomical arrangement prevents them from catching prey with their feet. Instead, the sharp claws on the feet are used to hold prey in place while the sharp bill tears the flesh. They are quick runners, generally preferring to run from danger than fly. They have been clocked running upwards of 70km/hour. When they do fly, it is generally only when they cannot out run their pursuer, or when they must reach an elevated perch.

Seriemas are most often seen alone or in pairs. Groups of three or more birds are most likely parents and offspring. They are a diurnal species and roost in trees at night. Dust bathing and sun bathing are practiced. In the latter, birds often lie on their side and appear as if they are dead.

## SYSTEMATICS

Red-legged seriemas are one of two species of seriemas. The slightly smaller black-legged seriema (*Chunga burmeisteri*) is also found in South America. Seriemas are members of the Order Gruiformes, and are the only living members of the Cariamidae family. Their placement within this order has been disputed over the years. They are generally placed closest to bustards, with which they share similar cestode parasites. At one time, they were believed most related to secretary birds (*Sagittarius serpentarius*) due to the exaggerated habit of both species to hunt snakes, but karyological differences between the two species dismiss this relationship (Benirschke, 1977). Recently, the kagu (*Rhynochetos jubatus*) has been mentioned as being closest to the seriema based on plumage and behavioral similarities. Recent DNA work supporting this relationship is weak however. So for now, the seriemas remain as a suborder of the Gruiformes.

Fossilized predecessors of the seriemas of today have been found in North and South America and Europe. These ancestors stood anywhere from three to ten feet high. They had huge, sharp beaks making them significant predators. And, like seriemas today, they could run extremely fast. More distantly related forms of the family Phororhacidae from the Tertiary period have been found in France and Germany. These ancient flightless birds are believed related to modern day seriemas.

## DIET

Although seriemas are omnivorous, they are highly carnivorous. Their diet includes insects, especially grasshoppers and beetles. They also eat a large number of small rodents, lizards, frogs, birds, and occasionally snakes. Their reputation of consuming large numbers of snakes is exaggerated. Leaf material is consumed, as is seeds, fruits, and crops cultivated by man such as corn, beans, and grains. They swallow small prey items whole and head first. Larger animals are held between their sharp claws, and torn apart. Killing their prey may involve beating the animal on the ground, or throwing it against a hard surface such as a rock.

## REPRODUCTION

Seriemas are monogamous. In the wild, the breeding season corresponds to the rainy months of February to July in northeastern Brazil, September to January in central Brazil, and November to December in Argentina. Courtship display is done by the male and involves showing off the flight feathers by stretching them to one side. The display is also accompanied by strutting in front of the female, with head pointed down and crest raised.

Both sexes assist in nest building, which is usually in a tree 1-5 meters off the ground. Construction generally takes one month. The nest is assembled of twigs and branches, and is lined with mud and leaves. It is usually placed so that the birds can jump up to it in one or two leaps.

Commonly, two white, slightly spotted eggs are laid. Incubation is carried out by both sexes. Following a 27-28 day incubation period, the chicks hatch. They are covered in long light brown feathers and are fed by both parents. At about 12-15 days, they leave the nest and follow their parents on the ground in search of food. Even at this age, they

can produce a call similar to the adult vocalization for which the species is renowned. Sometimes, only one chick is reared. Chicks fledge in one month. Reproduction has been reported at eight months in captivity.

### VOICE

Perhaps one of the most distinguishing characteristics of seriemas is their call. Often compared to that of a yelping puppy, it is a loud cry which can be heard for several kilometers away. The call is usually performed in the early morning hours, but may be heard at any time of day. It is used to define territory between pairs. The call is frequently initiated by one member of the pair, followed by the other member responding with a sort of duet resulting. Redford and Peters (1986) have analyzed the song and have found it to be comprised of three parts, which are not always sung together. They found that at the onset of the song, the neck was held straight while at the end of the song, which was also the loudest part, the neck was held so that the back of the head nearly touched the back of the calling bird.

### RELATIONSHIP WITH HUMANS

The red-legged seriema is often called the crested seriema. The name seriema ('little ema') is a blend of a native phrase. *Seri* means small, and *ema* is the indigenous name for the Common rhea (*Rhea americana*), to which the seriema bears some resemblance. The generic name *Cariama* is a derivation of the Tupi word 'Cariama', meaning "the one that bears an erect crest."

The seriema's reputation of consuming large numbers of snakes has earned them an added bit of protection from over hunting among the local people, although the species is still hunted.

Seriemas have been kept in captivity since the late 1800's. They are generally long-lived birds, with life spans of 20 years not uncommon in captive situations. Easily tamed, some native people use seriemas as a sort of alarm system, as the birds will give notice at the first sign of anything unusual.

### STATUS & CONSERVATION

Neither species of seriema is considered threatened. However, exact counts of both species have not been conducted, so their true status is not really known. Further complicating the matter, is their far-reaching call, which may yield a false count of the actual numbers of birds in a particular area. In central Brazil, the red-legged seriema is more often heard than seen, while in the southern part of the country it is considered uncommon. In Argentina, numbers range from abundant to scarce. It is considered a vanishing species in Uruguay. In northeastern and southeastern Brazil, illegal traders of live animals occasionally offer red-legged seriemas for sale.

Threats to their habitat are in the form of agricultural development and hunting, but seriemas for the most part, seem to have adapted and in fact have colonized certain deforested areas in Brazil.

### MIXED SPECIES EXHIBITS:

Seriemas can be exhibited with a wide variety of bird and mammal species. Seriemas are hunters though, and small fledglings of any species will be consumed if the

opportunity presents itself. Birds including cinnamon teal *Anas cyanoptera*, ringed teal *Callonetta leucophrys*, Egyptian goose *Alopochen aegyptiacus*, black-necked swan *Cygnus melanocoryphus*, paradise shelduck *Tadorna variegata*, common shelduck *Tadorna tadorna*, Andean goose *Chloephaga melanoptera*, white ibis *Eudocimus albus*, kookaburra *Dacelo novaeguineae*, hyacinth macaw *Anodorhynchus hyacinthinus*, scarlet ibis *Eudocimus ruber*, boat billed heron *Cochlearius cochlearius*, king vulture *Sarcorhamphus papa*, grey-winged trumpeter *Psophia crepitans*, red-billed hornbill *Tockus erythrorhynchus*, tawny frogmouth *Podargus strigoides*, common peafowl *Pavo cristatus* as well as various species of guan *Penelope sp.*, dove *Columba sp.*, turaco *Tauraco sp.*, thrush *Garrulax sp.*, stork *Ciconia sp.*, crow *Corvus sp.*, conure *Aratinga sp.*, have all been exhibited with seriemas at zoos. Mammals species such as collared peccary *Pecari tajacu*, Brazilian tapir *Tapirus terrestris*, squirrel monkey *Saimiri ustus*, capybara *Hydrochaeris hydrochaeris*, guanaco *Lama guanicoe* and giant anteater *Myrmecophaga tridactyla* have all been successfully exhibited with seriemas.

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## HISTORY OF THE CAPTIVE POPULATION

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Red-legged seriemas were first reported in North American zoological collections in 1891 when the National Zoological Park acquired its first specimen. The Philadelphia Zoo received a bird approximately one year later. From 1903 through 1939, 14 wild caught red-legged seriemas entered the United States. Many lived ten or more years. Two birds imported into the San Diego Zoo in 1935 lived 20 years.

After 1939, no wild importation's occurred until 1966. When the Oklahoma Zoo imported a pair in 1966, there was only one red-legged seriema alive in a zoo in the United States. Wild importation's continued through the 1960's, with 11 additional birds entering the country. Many of these birds lived 15 years or more.

Another 11 birds were imported during the 1970's. In the early 1980's six birds arrived, marking the final importation of wild caught red-legged seriemas into the United States. Due to the breeding success at zoos and private facilities, no wild caught red-legged seriemas have been imported since 1981.

The first hatching of a red-legged seriema in a US zoo occurred at the San Antonio Zoo in 1973. In 1978, Ollson's Rare Bird Farm (Glendale) became the second facility to breed the species. During the 1970's and 1980's, Glendale was the major breeder of captive bred red-legged seriemas in the US. In 1980, the Tulsa Zoo became the first facility to achieve second generation breeding in the species. Breeding quickly escalated in the 1980's at several zoos and private facilities and continued to remain strong through the 1990's, although has declined significantly in the past few years. Third generation breeding was reached at Woodlands Park Zoo in 1992.

Today, there are no wild caught birds remaining and the captive population of red-legged seriemas in North America is 100% captive born.

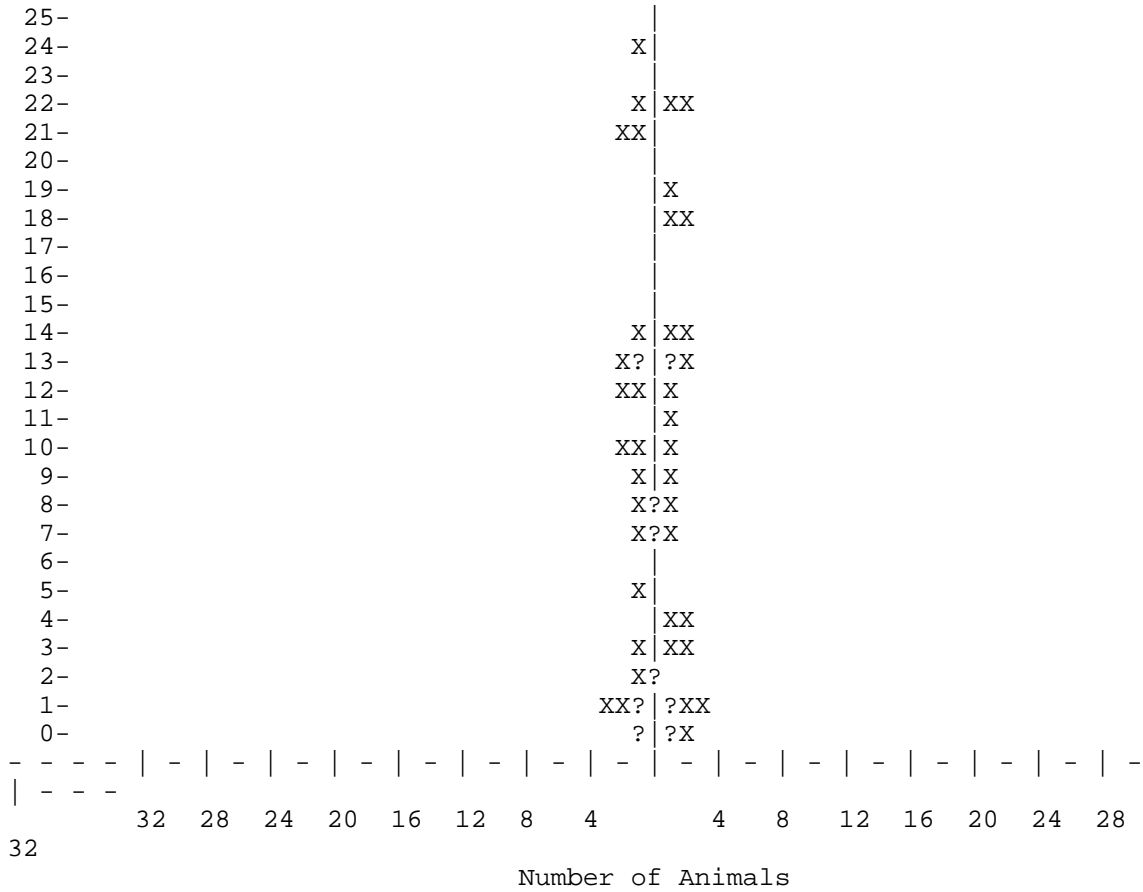


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## AGE STRUCTURE OF LIVING BIRDS

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29-	x
28-	x
27-	x
26-	



X >>> Specimens of known sex...  
 ? >>> Specimens of unknown sex...

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## CENSUS

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Year as of 31 Dec	Specimen Counts	Observed Lambda	
		Annual	Geometric Mean
2006	20.22.9 (51)	1.02	
2005	21.22.7 (50)	1.09	1.05 (last 2 yrs)
2004	19.22.5 (46)	1.00	1.03 (last 3 yrs)
2003	19.22.5 (46)	1.00	1.03 (last 4 yrs)
2002	19.22.5 (46)	1.05	1.03 (last 5 yrs)

2001	19.20.5	(44)	0.96	1.02 (last 6 yrs)
2000	19.22.5	(46)	0.88	1.00 (last 7 yrs)
1999	21.24.7	(52)	1.06	1.01 (last 8 yrs)
1998	21.24.4	(49)	1.04	1.01 (last 9 yrs)
1997	21.23.3	(47)	0.89	1.00 (last 10 yrs)
1996	24.25.4	(53)	1.06	1.00 (last 11 yrs)
1995	21.26.3	(50)	0.98	1.00 (last 12 yrs)
1994	21.28.2	(51)	1.04	1.00 (last 13 yrs)
1993	20.26.3	(49)	1.00	1.00 (last 14 yrs)
1992	20.28.1	(49)	0.94	1.00 (last 15 yrs)
1991	24.27.1	(52)	1.11	1.01 (last 16 yrs)
1990	23.23.1	(47)	0.89	1.00 (last 17 yrs)
1989	24.27.2	(53)	0.87	0.99 (last 18 yrs)
1988	27.33.1	(61)	1.11	1.00 (last 19 yrs)
1987	25.28.2	(55)	0.93	0.99 (last 20 yrs)
1986	28.28.3	(59)	1.13	1.00 (last 21 yrs)
1985	28.24.0	(52)	1.04	1.00 (last 22 yrs)
1984	27.23.0	(50)	1.09	1.00 (last 23 yrs)
1983	26.18.2	(46)	1.02	1.01 (last 24 yrs)
1982	23.19.3	(45)	1.25	1.01 (last 25 yrs)
1981	19.17.0	(36)	1.03	1.01 (last 26 yrs)
1980	17.18.0	(35)	1.30	1.02 (last 27 yrs)
1979	13.14.0	(27)	1.17	1.03 (last 28 yrs)
1978	10.13.0	(23)	1.15	1.03 (last 29 yrs)
1977	10.10.0	(20)	1.05	1.03 (last 30 yrs)
1976	9.10.0	(19)	1.00	1.03 (last 31 yrs)
1975	9.10.0	(19)	1.00	1.03 (last 32 yrs)
1974	9.10.0	(19)	1.12	1.03 (last 33 yrs)
1973	9.8.0	(17)	1.00	1.03 (last 34 yrs)
1972	8.8.1	(17)	1.06	1.03 (last 35 yrs)
1971	8.8.0	(16)	1.23	1.04 (last 36 yrs)
1970	7.6.0	(13)	1.00	1.04 (last 37 yrs)
1969	7.6.0	(13)	1.08	1.04 (last 38 yrs)
1968	6.6.0	(12)	1.33	1.05 (last 39 yrs)
1967	5.4.0	(9)	1.13	1.05 (last 40 yrs)
1966	4.3.1	(8)	2.67	1.07 (last 41 yrs)
1965	1.1.1	(3)	3.00	1.10 (last 42 yrs)
1964	0.0.1	(1)	1.00	1.10 (last 43 yrs)
1963	0.0.1	(1)	1.00	1.09 (last 44 yrs)
1962	0.0.1	(1)	1.00	1.09 (last 45 yrs)
1961	0.0.1	(1)	1.00	1.09 (last 46 yrs)
1960	0.0.1	(1)	1.00	1.09 (last 47 yrs)
1959	0.0.1	(1)	1.00	1.09 (last 48 yrs)
1958	0.0.1	(1)	1.00	1.08 (last 49 yrs)
1957	0.0.1	(1)	0.33	1.06 (last 50 yrs)
1956	0.0.3	(3)	0.75	1.05 (last 51 yrs)
1955	0.0.4	(4)	1.00	1.05 (last 52 yrs)
1954	0.0.4	(4)	1.00	1.05 (last 53 yrs)
1953	0.0.4	(4)	1.00	1.05 (last 54 yrs)
1952	0.0.4	(4)	1.00	1.05 (last 55 yrs)
1951	0.0.4	(4)	1.00	1.05 (last 56 yrs)
1950	0.0.4	(4)	1.00	1.05 (last 57 yrs)
1949	0.0.4	(4)	1.00	1.04 (last 58 yrs)
1948	0.0.4	(4)	1.00	1.04 (last 59 yrs)
1947	0.0.4	(4)	1.00	1.04 (last 60 yrs)
1946	0.0.4	(4)	1.00	1.04 (last 61 yrs)
1945	0.0.4	(4)	1.00	1.04 (last 62 yrs)
1944	0.0.4	(4)	1.00	1.04 (last 63 yrs)
1943	0.0.4	(4)	1.00	1.04 (last 64 yrs)
1942	0.0.4	(4)	1.00	1.04 (last 65 yrs)
1941	0.0.4	(4)	1.00	1.04 (last 66 yrs)
1940	0.0.4	(4)	0.80	1.04 (last 67 yrs)
1939	0.1.4	(5)	1.00	1.03 (last 68 yrs)
1938	0.1.4	(5)	1.67	1.04 (last 69 yrs)
1937	0.1.2	(3)	1.00	1.04 (last 70 yrs)
1936	0.1.2	(3)	0.75	1.04 (last 71 yrs)
1935	1.1.2	(4)	1.00	1.04 (last 72 yrs)
1934	0.1.3	(4)	1.33	1.04 (last 73 yrs)
1933	0.2.1	(3)	1.00	1.04 (last 74 yrs)
1932	0.2.1	(3)	1.00	1.04 (last 75 yrs)
1931	0.2.1	(3)	1.00	1.04 (last 76 yrs)
1930	0.2.1	(3)	1.50	1.04 (last 77 yrs)
1929	0.2.0	(2)	1.00	1.04 (last 78 yrs)
1928	0.2.0	(2)	1.00	1.04 (last 79 yrs)
1927	0.2.0	(2)	1.00	1.04 (last 80 yrs)

1926	0.2.0	(2)	0.00	---	(last 81 yrs)
1925	0.0.0	(0)	0.00	---	(last 82 yrs)
1924	0.0.0	(0)	0.00	---	(last 83 yrs)
1923	0.0.0	(0)	0.00	---	(last 84 yrs)
1922	0.0.0	(0)	0.00	---	(last 85 yrs)
1921	0.0.0	(0)	0.00	0.81	(last 86 yrs)
1920	0.0.1	(1)	1.00	0.81	(last 87 yrs)
1919	0.0.1	(1)	1.00	0.81	(last 88 yrs)
1918	0.0.1	(1)	1.00	0.81	(last 89 yrs)
1917	0.0.1	(1)	1.00	0.81	(last 90 yrs)
1916	0.0.1	(1)	1.00	0.82	(last 91 yrs)
1915	0.0.1	(1)	1.00	0.82	(last 92 yrs)
1914	0.0.1	(1)	1.00	0.82	(last 93 yrs)
1913	0.0.1	(1)	1.00	0.82	(last 94 yrs)
1912	0.0.1	(1)	0.50	0.82	(last 95 yrs)
1911	0.1.1	(2)	2.00	0.83	(last 96 yrs)
1910	0.0.1	(1)	1.00	0.83	(last 97 yrs)
1909	0.0.1	(1)	0.50	0.82	(last 98 yrs)
1908	0.0.2	(2)	2.00	0.83	(last 99 yrs)
1907	0.0.1	(1)	0.00	---	(last 100 yrs)
1906	0.0.0	(0)	0.00	---	(last 101 yrs)
1905	0.0.0	(0)	0.00	---	(last 102 yrs)
1904	0.0.0	(0)	0.00	0.84	(last 103 yrs)
1903	0.0.1	(1)	0.00	---	(last 104 yrs)
1902	0.0.0	(0)	0.00	---	(last 105 yrs)
1901	0.0.0	(0)	0.00	---	(last 106 yrs)
1900	0.0.0	(0)	0.00	---	(last 107 yrs)
1899	0.0.0	(0)	0.00	---	(last 108 yrs)
1898	0.0.0	(0)	0.00	---	(last 109 yrs)
1897	0.0.0	(0)	0.00	0.85	(last 110 yrs)
1896	0.0.1	(1)	1.00	0.85	(last 111 yrs)
1895	0.0.1	(1)	0.50	0.84	(last 112 yrs)
1894	0.0.2	(2)	1.00	0.84	(last 113 yrs)
1893	0.0.2	(2)	1.00	0.85	(last 114 yrs)
1892	0.0.2	(2)	2.00	0.85	(last 115 yrs)
1891	0.0.1	(1)	0.11	0.84	(last 116 yrs)

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## REPRODUCTIVE PARAMETERS

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### Youngest dams at first clutch:

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191 at age 1Y, 0M, 29D  
 226 at age 1Y, 3M, 22D  
 242 at age 1Y, 6M, 12D

60 at age 1Y, 9M, 17D  
 81 at age 1Y, 9M, 28D  
 171 at age ~2Y, 3M  
 90 at age 2Y, 4M, 13D  
 47 at age 2Y, 5M, 19D  
 56 at age 3Y, 4M, 23D  
 88 at age 3Y, 9M, 22D

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**Oldest dams at first clutch:**

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196 at age 18Y, 4M, 15D  
 120 at age 15Y, 10M, 22D  
 31 at age 15Y, 7M, 3D  
 22 at age ~13Y  
 48 at age 12Y, 11M, 27D  
 164 at age 12Y, 1M, 30D  
 69 at age ~11Y, 6M  
 178 at age 10Y, 11M, 26D  
 83 at age 8Y, 0M, 4D  
 125 at age ~7Y, 10M

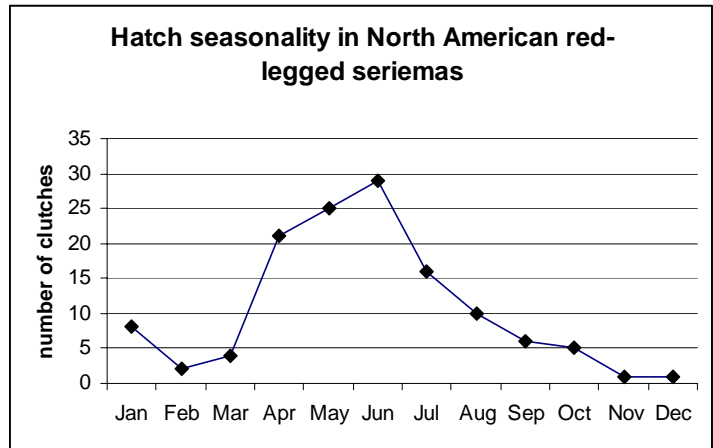
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Median age of females at first reproduction: 5Y, 3M, 3D  
 Mean age of females at first reproduction: 6Y, 8M, 12D  
 Median age of females at reproduction: 8Y, 0M, 28D  
 Mean age of females at reproduction: 9Y, 5M, 28D

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Hatch seasonality  
(clutches)

Month	Number of clutches	Percentage
January:	8	6%
February:	2	2%
March:	4	3%
April:	21	16%
May:	25	20%
June:	29	23%
July:	16	13%
August:	10	8%
September:	6	5%
October:	5	4%
November:	1	1%
December:	1	1%




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**Viability**

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Rearing:	Lived > 1 year		Died < 1 year		Died < 30 days	
	Count	Percentage	Count	Percentage	Count	Percentage
Parent (57)	37	65%	4	7%	16	28%
Hand (23)	18	78%	2	9%	3	13%
Unknown	79	70%	14	12%	20	18%

(113)

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134    69%    20    10%    39    20%

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Clutch size

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Clutch size	N		
1	74	57%	
2	46	36%	
3	9	7%	

129 total clutches, mean size is 1.5

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Youngest sires at first reproduction:

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- 162 at age 11M, 18D
- 246 at age 1Y, 1M, 20D
- 59 at age 1Y, 8M, 21D
- 216 at age 1Y, 10M, 3D
- 55 at age 2Y, 0M, 30D
- 92 at age 2Y, 3M, 16D
- 46 at age 2Y, 4M, 22D

135 at age 2Y,10M,9D  
 95 at age 2Y,10M,10D  
 228 at age ~2Y,11M

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**Oldest sires at first reproduction:**

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194 at age 23Y,3M,20D  
 86 at age 18Y,7M,22D  
 193 at age ~13Y,6M  
 21 at age ~12Y  
 71 at age ~11Y,2M  
 43 at age 10Y,5M,22D  
 174 at age 10Y,0M,20D  
 64 at age 8Y,11M,12D  
 163 at age 8Y,3M,4D  
 123 at age ~7Y,10M

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Median age of males at first reproduction: 5Y,7M,17D

Mean age of males at first reproduction: 6Y,7M,23D

Median age of males at reproduction: 8Y,4M,30D

Mean age of males at reproduction: 9Y,5M,6D

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**Births from 1 April 2004 – 31 January 2007**

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
244	?	16 Apr 2004	86	81	DALLAS	16 Apr 2004 22 Apr 2004	04F036	Hatch Death
246	M	6 May 2004	174	120	COLUMBIA FRESNO	6 May 2004 6 Oct 2004 26 Oct 2005	7984 240097	Hatch Transfer Death

248	F	11 May 2004	176	191	NZP-WASH TACOMA	11 May 2004 1 Dec 2004 ~20 Feb 2005	215273 T04A16	Hatch Transfer Death
249	M	13 Jul 2004	174	120	COLUMBIA LUFKIN	13 Jul 2004 29 Mar 2005	8075	Hatch Transfer
250	?	23 Aug 2004	186	226	METROZOO SCOT NECK	23 Aug 2004 ~ Mar 2005	B40286	Hatch Transfer
251	?	25 Aug 2004	186	226	METROZOO	25 Aug 2004 26 Aug 2004	B40289	Hatch Death
252	M	16 May 2005	86	81	DALLAS	16 May 2005 12 Sep 2005	05F693	Hatch Death
253	M	16 May 2005	86	81	DALLAS	16 May 2005 29 Aug 2005	05F694	Hatch Death
254	?	17 May 2005	86	81	DALLAS	17 May 2005 20 May 2005	05F695	Hatch Death
255	F	22 Jul 2005	246	178	FRESNO TACOMA	22 Jul 2005 22 Jul 2005	250068 T05A02	Hatch Transfer
256	?	16 Aug 2005	95	164	KNOXVILLE	16 Aug 2005	3147	Hatch
257	?	18 Aug 2005	95	164	KNOXVILLE	18 Aug 2005	3148	Hatch
258	M	22 Sep 2005	64	242	WILD WRLD	22 Sep 2005	7683	Hatch
259	M	27 Apr 2005	64	242	WILD WRLD	27 Apr 2005 27 Jan 2006	7640	Hatch Death
260	F	8 Aug 2005	64	242	WILD WRLD	8 Aug 2005	7681	Hatch
261	M	20 Sep 2005	64	242	WILD WRLD	20 Sep 2005	7682	Hatch
262	F	6 May 2006	86	81	DALLAS	6 May 2006	06G569	Hatch
263	?	7 May 2006	86	81	DALLAS	7 May 2006 8 May 2006	06G570	Hatch Death
264	?	17 Jul 2006	174	120	COLUMBIA	17 Jul 2006	9348	Hatch
265	?	28 May 2006	92	182	LOWRY OMAHA	28 May 2006 16 Nov 2006	205488 16778	Hatch Transfer

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TOTALS: 7.4.9 (20)

## Transfers from 1 April 2004 – 31 January 2007

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
92	M	15 Apr 1985	59	60	DALLAS CALDWELL LOWRY	15 Apr 1985 6 Jan 1986 1 Nov 2005	854269 000809 205356	Hatch Transfer Transfer
109	F	24 May 1987	UNK	UNK	DALLAS ALEXANDRI AUDUBON	24 May 1987 9 Dec 1987 14 Jan 2006 25 Apr 2006	874967 439001 101858	Hatch Transfer Transfer Death



178	F	29 Jul 1994	193	119	GILLIS FRESNO NZP-WASH	29 Jul 1994 29 Oct 1995 24 Oct 2006	 950222 215590	Hatch Transfer Transfer
182	F	19 Jun 1995	64	48	LAKEBUENA WORLDBIRD CALDWELL LOWRY	19 Jun 1995 6 Oct 1995 25 Sep 1997 1 Nov 2005	250635 950610 104145 205357	Hatch Transfer Transfer Transfer
185	F	14 May 1996	162	139	CL SPR AV ORNATUS CROFT L PITRE BOYLE TORONTO	14 May 1996 7 Nov 1996 ~ 1 Dec 1998 ~ Jan 2001 15 Jun 2001 21 May 2004	     39385	Hatch Transfer Transfer Transfer Transfer Transfer
186	M	7 Jun 1996	UNK	UNK	CROFT L BATONROUG DISNEY AK METROZOO LOSANGELE	7 Jun 1996 21 Aug 1996 25 Sep 1997 7 May 2002 14 Jun 2005	 7812 970160 B20046 991063	Hatch Transfer Transfer Transfer Transfer
191	F	30 May 1997	162	139	CL SPR AV NZP-WASH SCOT NECK	30 May 1997 25 Sep 1997 ~26 Oct 2006	 213963 UNK	Hatch Transfer Transfer
204	F	24 May 1999	176	191	NZP-WASH CRAWFRD W QUEBEC GRANBY	24 May 1999 27 Oct 1999 4 Oct 2002 26 Oct 2006	214319  A25004 B99046	Hatch Transfer Transfer Transfer
218	M	29 May 2001	176	191	NZP-WASH CL SPR AV BENNETT METROZOO BENNETT R	29 May 2001 16 Nov 2001 ~ May 2002 17 Feb 2003 ~ Jun 2004	214786   B30023  ltf	Hatch Transfer Transfer Transfer Transfer
226	F	28 Apr 2002	176	191	NZP-WASH METROZOO LOSANGELE	28 Apr 2002 14 Nov 2002 14 Jun 2005	214881 B20257 991064	Hatch Transfer Transfer
227	M	~ Jun 1999	228	UNK	WALSRODE QUEBEC GRANBY	~ Jun 1999 11 Apr 2002 26 Oct 2006	 A25001 B99045	Hatch Transfer Transfer
242	F	16 Oct 2003	192	88	SEDGWICK WILD WRLD	16 Oct 2003 8 Apr 2004	10649 7425	Hatch Transfer
246	M	6 May 2004	174	120	COLUMBIA FRESNO	6 May 2004 6 Oct 2004 26 Oct 2005	7984 240097  	Hatch Transfer Death
248	F	11 May 2004	176	191	NZP-WASH TACOMA	11 May 2004 1 Dec 2004 ~20 Feb 2005	215273 T04A16  	Hatch Transfer Death
249	M	13 Jul 2004	174	120	COLUMBIA LUFKIN	13 Jul 2004 29 Mar 2005	8075  	Hatch Transfer
250	?	23 Aug 2004	186	226	METROZOO SCOT NECK	23 Aug 2004 ~ Mar 2005	B40286  	Hatch Transfer
255	F	22 Jul 2005	246	178	FRESNO TACOMA	22 Jul 2005 22 Jul 2005	250068 T05A02	Hatch Transfer
265	?	28 May 2006	92	182	LOWRY OMAHA	28 May 2006 16 Nov 2006	205488 16778	Hatch Transfer

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TOTALS: 6.10.2 (18)

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## Deaths from 1 April 2004 – 31 January 2007

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
47	F	~ 5 Feb 1978	21	22	GLENDALE TULSA	~ 5 Feb 1978		Hatch
						5 Feb 1979	3288	Transfer
						22 Jun 2004		Death
109	F	24 May 1987	UNK	UNK	DALLAS	24 May 1987	874967	Hatch
					ALEXANDRI	9 Dec 1987	439001	Transfer
					AUDUBON	14 Jan 2006	101858	Transfer
						25 Apr 2006		Death

158	F	14 Jul 1992	95	88	KNOXVILLE WORLDBIRD	14 Jul 1992 5 Feb 1993 23 Mar 2005	338 338	Hatch Transfer Death
216	M	15 Jun 2000	176	191	NZP-WASH ALEXANDRI	15 Jun 2000 16 Nov 2000 ~ Jun 2004	214563 AV0019	Hatch Transfer Death
243	?	16 Apr 2003	86	81	DALLAS	16 Apr 2003 22 Apr 2004	04F035	Hatch Death
244	?	16 Apr 2004	86	81	DALLAS	16 Apr 2004 22 Apr 2004	04F036	Hatch Death
246	M	6 May 2004	174	120	COLUMBIA FRESNO	6 May 2004 6 Oct 2004 26 Oct 2005	7984 240097	Hatch Transfer Death
248	F	11 May 2004	176	191	NZP-WASH TACOMA	11 May 2004 1 Dec 2004 ~20 Feb 2005	215273 T04A16	Hatch Transfer Death
251	?	25 Aug 2004	186	226	METROZOO	25 Aug 2004 26 Aug 2004	B40289	Hatch Death
252	M	16 May 2005	86	81	DALLAS	16 May 2005 12 Sep 2005	05F693	Hatch Death
253	M	16 May 2005	86	81	DALLAS	16 May 2005 29 Aug 2005	05F694	Hatch Death
254	?	17 May 2005	86	81	DALLAS	17 May 2005 20 May 2005	05F695	Hatch Death
259	M	27 Apr 2005	64	242	WILD WRLD	27 Apr 2005 27 Jan 2006	7640	Hatch Death
263	?	7 May 2006	86	81	DALLAS	7 May 2006 8 May 2006	06G570	Hatch Death
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TOTALS: 5.4.5 (14)								

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## *Living Studbook*

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Stud # | Sex | Hatch Date | Sire | Dam | Location | Date | Local ID | Event |
=====
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AUDUBON - Audubon Zoo, New Orleans, Louisiana, USA

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  239   M   13 May 2003   176   191  NZP-WASH  13 May 2003  215078   Hatch
                                           AUDUBON   6 Nov 2003  101104   Transfer
```

Totals: 1.0.0 (1)

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CINCINNAT - Cincinnati Zoo & Botanical Garden, Cincinnati, Ohio, USA

```
  166   ?   23 Jun 1993    64   48  LAKEBUENA  23 Jun 1993  230663   Hatch
                                           CINCINNAT  14 Jul 1993  293130   Transfer
```

Totals: 0.0.1 (1)

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COLUMBIA - Riverbanks Zoo and Garden, Columbia, South Carolina, USA

```
  120   F   18 Jun 1988    62   31  BATONROUG  18 Jun 1988   6070   Hatch
                                           COLUMBIA  18 May 1989  004977   Transfer
```

```
  174   M   23 Mar 1994   162  139  CL SPR AV  23 Mar 1994    95   Hatch
                                           COLUMBIA   6 Aug 1998  6630   Transfer
```

```
  264   ?   17 Jul 2006   174  120  COLUMBIA  17 Jul 2006   9348   Hatch
```

Totals: 1.1.1 (3)

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CRAWFRD W - World Bird Sanctuary, Valley Park, Missouri, USA

```
  155   M   13 Jun 1992   135   83  SEATTLE   13 Jun 1992  920370   Hatch
                                           CRAWFRD W   3 Dec 1992  _____   Transfer
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```
  156   F   13 Jun 1992   135   83  SEATTLE   13 Jun 1992  920371   Hatch
                                           CRAWFRD W  10 Jun 1993  _____   Transfer
```

167	?	4 Sep 1993	64	48	LAKEBUENA	4 Sep 1993	230905	Hatch
					CINCINNAT	26 Oct 1993	293290	Transfer
					CRAWFRD W	27 Oct 1993	_____	Transfer
200	?	28 Jun 1998	176	191	NZP-WASH	28 Jun 1998	214502	Hatch
					CRAWFRD W	19 Nov 1998	_____	Transfer

Totals: 1.1.2 (4)

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DALLAS - Dallas Zoo, Dallas, Texas, USA

81	F	7 Jun 1984	59	60	DALLAS	7 Jun 1984	844042	Hatch
86	M	1 Aug 1984	62	31	BATONROUG	1 Aug 1984	670	Hatch
					GULF BREZ	3 Dec 1988	661	Transfer
					BATONROUG	24 Mar 1995	670	Transfer
					DISNEY AK	25 Sep 1997	970161	Transfer
					DALLAS	30 Apr 2002	02E317	Transfer
262	F	6 May 2006	86	81	DALLAS	6 May 2006	06G569	Hatch

Totals: 1.2.0 (3)

---

DENVER - Denver Zoological Gardens, Denver, Colorado, USA

157	F	12 Jul 1992	95	88	KNOXVILLE	12 Jul 1992	337	Hatch
					DENVER	22 Apr 1999	990191	Transfer

Totals: 0.1.0 (1)

---

DREHER PA - Palm Beach Zoo at Dreher Park, West Palm Beach, Florida, USA

240	F	19 Aug 2003	186	226	METROZOO	19 Aug 2003	B30232	Hatch
					DREHER PA	11 Feb 2004	24011	Transfer

Totals: 0.1.0 (1)

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 -----  
 GRANBY - Granby Zoo, Granby, Quebec, Canada

204	F	24 May 1999	176	191	NZP-WASH	24 May 1999	214319	Hatch
					CRAWFRD W	27 Oct 1999	_____	Transfer
					QUEBEC	4 Oct 2002	A25004	Transfer
					GRANBY	26 Oct 2006	B99046	Transfer
227	M	~ Jun 1999	228	UNK	WALSRODE	~ Jun 1999	_____	Hatch
					QUEBEC	11 Apr 2002	A25001	Transfer
					GRANBY	26 Oct 2006	B99045	Transfer

Totals: 1.1.0 (2)

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 -----

JACKSONVL - Jacksonville Zoo and Gardens, Jacksonville, Florida, USA

225	F	28 Apr 2002	176	191	NZP-WASH	28 Apr 2002	214880	Hatch
					JACKSONVL	12 Nov 2002	602376	Transfer

Totals: 0.1.0 (1)

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 -----

KANSASCTY - Kansas City Zoo, Kansas City, Missouri, USA

112	F	27 Aug 1987	92	90	CALDWELL	27 Aug 1987	001503	Hatch
					SEATTLE	20 Mar 1989	890052	Transfer
					CALDWELL	9 May 1989	001503	Transfer
					MINNESOTA	24 Oct 1989	6366	Transfer
					KANSASCTY	17 Sep 1991	202783	Transfer

Totals: 0.1.0 (1)

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 -----

KNOXVILLE - Knoxville Zoological Gardens, Knoxville, Tennessee, USA

95	M	19 Jun 1985	62	31	BATONROUG	19 Jun 1985	5770	Hatch
					GREENVISC	20 May 1986	86A047	Transfer
					KNOXVILLE	27 Apr 1988	101	Transfer
164	F	20 Jun 1993	64	48	LAKEBUENA	20 Jun 1993	230658	Hatch
					CINCINNAT	14 Jul 1993	293129	Transfer

					CRAWFRD W	19 Jul 1993		Transfer
					KNOXVILLE	15 May 2003	2656	Transfer
205	F	7 Oct 1998	148	171	ST LOUIS	7 Oct 1998	981084	Hatch
					ROCHESTER	8 Apr 1999	104865	Transfer
					KNOXVILLE	11 Nov 2002	2543	Transfer
256	?	16 Aug 2005	95	164	KNOXVILLE	16 Aug 2005	3147	Hatch
257	?	18 Aug 2005	95	164	KNOXVILLE	18 Aug 2005	3148	Hatch
Totals: 1.2.2 (5)								

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LOSANGELE - Los Angeles Zoo & Botanical Gardens, Los Angeles, California, USA

186	M	7 Jun 1996	UNK	UNK	CROFT L	7 Jun 1996		Hatch
					BATONROUG	21 Aug 1996	7812	Transfer
					DISNEY AK	25 Sep 1997	970160	Transfer
					METROZOO	7 May 2002	B20046	Transfer
					LOSANGELE	14 Jun 2005	991063	Transfer
226	F	28 Apr 2002	176	191	NZP-WASH	28 Apr 2002	214881	Hatch
					METROZOO	14 Nov 2002	B20257	Transfer
					LOSANGELE	14 Jun 2005	991064	Transfer

Totals: 1.1.0 (2)

-----

LOWRY - Lowry Park Zoo, Tampa, Florida, USA

92	M	15 Apr 1985	59	60	DALLAS	15 Apr 1985	854269	Hatch
					CALDWELL	6 Jan 1986	000809	Transfer
					LOWRY	1 Nov 2005	205356	Transfer
182	F	19 Jun 1995	64	48	LAKEBUENA	19 Jun 1995	250635	Hatch
					WORLDBIRD	6 Oct 1995	950610	Transfer
					CALDWELL	25 Sep 1997	104145	Transfer
					LOWRY	1 Nov 2005	205357	Transfer

Totals: 1.1.0 (2)

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LUFKIN - Ellen Trout Zoo, Lufkin, Texas, USA

249	M	13 Jul 2004	174	120	COLUMBIA	13 Jul 2004	8075	Hatch
					LUFKIN	29 Mar 2005	_____	Transfer

Totals: 1.0.0 (1)

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NZP-WASH - Smithsonian National Zoological Park Washington, DC, USA

176	M	28 Apr 1994	64	48	LAKEBUENA	28 Apr 1994	240419	Hatch
					ORNATUS	11 Oct 1994	240419	Transfer
					NZP-WASH	8 Nov 1995	213705	Transfer

178	F	29 Jul 1994	193	119	GILLIS	29 Jul 1994	_____	Hatch
					FRESNO	29 Oct 1995	950222	Transfer
					NZP-WASH	24 Oct 2006	215590	Transfer

Totals: 1.1.0 (2)

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OMAHA - Omaha's Henry Doorly Zoo, Omaha, Nebraska, USA

265	?	28 May 2006	92	182	LOWRY	28 May 2006	205488	Hatch
					OMAHA	16 Nov 2006	16778	Transfer

Totals: 0.0.1 (1)

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ORLANDO - Sea World Orlando, Orlando, Florida, USA

207	?	26 Jul 1999	148	171	ST LOUIS	26 Jul 1999	990781	Hatch
					ORLANDO	6 Jan 2000	RLS250	Transfer

Totals: 0.0.1 (1)

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QUEBEC - Jardin Zoologique Du Quebec, Charlesbourg, Quebec, Canada  
 221 M 10 Oct 2001 163 185 BOYLE 10 Oct 2001 61 Hatch  
 QUEBEC 20 Apr 2002 A25002 Transfer

Totals: 1.0.0 (1)

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RIO GRAND - Albuquerque Biological Park, Albuquerque, New Mexico, USA  
 116 F 25 Apr 1988 92 90 CALDWELL 25 Apr 1988 001582 Hatch  
 RIO GRAND 13 Jun 1989 B21734 Transfer

Totals: 0.1.0 (1)

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SAN ANTON - San Antonio Zoological Gardens & Aquarium, San Antonio, Texas, USA  
 49 F ~10 Dec 1978 21 22 GLENDALE ~10 Dec 1978 \_\_\_\_\_ Hatch  
 SAN ANTON 11 Dec 1979 791240 Transfer  
 52 M 19 Jun 1979 25 26 SAN ANTON 19 Jun 1979 791643 Hatch

Totals: 1.1.0 (2)

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SCOT NECK - Sylvan Heights Waterfowl, Scotland Neck, North Carolina, USA  
 191 F 30 May 1997 162 139 CL SPR AV 30 May 1997 \_\_\_\_\_ Hatch  
 NYP-WASH 25 Sep 1997 213963 Transfer  
 SCOT NECK ~26 Oct 2006 UNK Transfer  
 250 ? 23 Aug 2004 186 226 METROZOO 23 Aug 2004 B40286 Hatch  
 SCOT NECK ~ Mar 2005 \_\_\_\_\_ Transfer

Totals: 0.1.1 (2)

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SEDGWICK - Sedgwick County Zoo, Wichita, Kansas, USA

88	F	3 Aug 1984	62	31	BATONROUG	3 Aug 1984	671	Hatch
					GREENVISC	20 May 1986	86A046	Transfer
					KNOXVILLE	27 Apr 1988	100	Transfer
					SEDGWICK	24 Apr 2003	10408	Transfer
192	M	28 Jan 1998	162	139	CL SPR AV	28 Jan 1998	_____	Hatch
					SEDGWICK	24 Jun 1999	8965	Transfer

Totals: 1.1.0 (2)

TACOMA - Point Defiance Zoo & Aquarium, Tacoma, WA, USA

255	F	22 Jul 2005	246	178	FRESNO	22 Jul 2005	250068	Hatch
					TACOMA	22 Jul 2005	T05A02	Transfer

Totals: 0.1.0 (1)

TORONTO - Toronto Zoo, Scarborough, Ontario, Canada

185	F	14 May 1996	162	139	CL SPR AV	14 May 1996	_____	Hatch
					ORNATUS	7 Nov 1996	_____	Transfer
					CROFT L	~ 1 Dec 1998	_____	Transfer
					PITRE	~ Jan 2001	_____	Transfer
					BOYLE	15 Jun 2001	_____	Transfer
					TORONTO	21 May 2004	39385	Transfer

Totals: 0.1.0 (1)

TULSA - Tulsa Zoo & Living Museum, Tulsa, Oklahoma, USA

46	M	~ 5 Feb 1978	21	22	GLENDALE	~ 5 Feb 1978	_____	Hatch
					TULSA	5 Feb 1979	3287	Transfer

Totals: 1.0.0 (1)

WILD WRLD - Wildlife World Zoo, Litchfield Park, Arizona, USA

64	M	10 May 1982	59	60	DALLAS	10 May 1982	823255	Hatch
					LAKEBUENA	2 Nov 1982	121101	Transfer
					WILD WRLD	5 Nov 1999	6195	Transfer
206	M	8 Oct 1998	148	171	ST LOUIS	8 Oct 1998	982001	Hatch
					WILD WRLD	3 Mar 1999	6119	Transfer
242	F	16 Oct 2003	192	88	SEDGWICK	16 Oct 2003	10649	Hatch
					WILD WRLD	8 Apr 2004	7425	Transfer
258	M	22 Sep 2005	64	242	WILD WRLD	22 Sep 2005	7683	Hatch
260	F	8 Aug 2005	64	242	WILD WRLD	8 Aug 2005	7681	Hatch
261	M	20 Sep 2005	64	242	WILD WRLD	20 Sep 2005	7682	Hatch

Totals: 4.2.0 (6)

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WORLDBIRD - Steve Martin Natural Encounters Inc, Winter Haven, Florida, USA

170	M	~ 1993	UNK	UNK	BATONROUG	~ 1993	_____	Hatch
					SLAUGHTER	10 Sep 1996	_____	Transfer
					DREHER PA	10 Sep 1996	96169	Transfer
					WORLDBIRD	7 Jan 1998	980002	Transfer
189	M	4 Jul 1996	95	88	KNOXVILLE	4 Jul 1996	632	Hatch
					LAKEBUENA	6 Mar 1997	270314	Transfer
					WORLDBIRD	24 Aug 1999	990021	Transfer

Totals: 2.0.0 (2)

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TOTALS: 20.22.9 (51)

27 Institutions

# HISTORICAL STUDBOOK

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
1	?	~ 1890	WILD	WILD	S.AMERICA	~ Jan 1891	NONE	Capture	
						NZP-WASH	23 Jun 1891	_____	Transfer
							4 Oct 1897		Death
2	?	~ 1891	WILD	WILD	S.AMERICA	~ 1892	NONE	Capture	
						PHILADELP	12 May 1892	20547	Transfer
							4 Dec 1895		Death
3	?	~ 1901	WILD	WILD	S.AMERICA	~ 1903	NONE	Capture	
						HAMBURG	~ 1903	_____	Transfer
						NZP-WASH	7 Aug 1903	_____	Transfer
							24 Jun 1904		Death
4	M	~ 1906	WILD	WILD	PARAGUAY	~ 1908	NONE	Capture	
						NZP-WASH	11 Apr 1908	_____	Transfer
							21 Nov 1908		Death
5	?	~ 1907	WILD	WILD	S.AMERICA	~ 1907	NONE	Capture	
						NZP-WASH	14 Mar 1908	_____	Transfer
							15 Jul 1921		Death
6	?	~ 1907	WILD	WILD	S.AMERICA	~ 1908	NONE	Capture	
						L RUHE	~ 1908	_____	Transfer
						PHILADELP	12 May 1908	20548	Transfer
							6 Feb 1909		Death
7	F	~ 1910	WILD	WILD	S.AMERICA	~ 1911	NONE	Capture	
						NY BRONX	~ 1911	_____	Transfer
						PHILADELP	1 May 1912	20549	Transfer
							23 May 1912		Death
8	F	~ 1925	WILD	WILD	S.AMERICA	~ 1926	NONE	Capture	
						JOSEPH E	~ 1926	_____	Transfer
						PHILADELP	12 May 1926	20550	Transfer
							3 Nov 1934		Death
9	F	~ 1925	WILD	WILD	S.AMERICA	~ 1926	NONE	Capture	
						JOSEPH E	~ 1926	_____	Transfer
						PHILADELP	12 May 1926	20551	Transfer
							26 Jan 1940		Death

10	?	~ 1930	WILD	WILD	S. AMERICA NZP-WASH	~ 1930 21 Aug 1931 6 Aug 1935	NONE _____	Capture Transfer Death
11	?	~ 1934	WILD	WILD	S. AMERICA IBANEZ SANDIEGOZ	~ 1934 ~ 1934 5 Sep 1935 9 Oct 1956	NONE _____ 413626	Capture Transfer Transfer Death
12	?	~ 1934	WILD	WILD	S. AMERICA IBANEZ SANDIEGOZ	~ 1934 ~ 1934 5 Sep 1935 31 Jan 1957	NONE _____ 413627	Capture Transfer Transfer Death
13	M	~ 1933	WILD	WILD	S. AMERICA L RUHE PHILADELP	~ 1934 ~ 1934 22 May 1934 10 Jun 1934	NONE _____ 20552	Capture Transfer Transfer Death
14	M	~ 1934	WILD	WILD	S. AMERICA JOSEPH E PHILADELP	~ 1935 ~ 1935 21 Nov 1935 7 Jan 1936	NONE _____ 20553	Capture Transfer Transfer Death
15	?	~ 1938	WILD	WILD	S. AMERICA NZP-WASH	~ 1938 27 Jun 1939 ~ 1957	NONE _____	Capture Transfer Death
16	?	~ 1938	WILD	WILD	S. AMERICA NZP-WASH	~ 1938 27 Jun 1939 13 Jun 1967	NONE _____	Capture Transfer Death
17	M	~ 1964	WILD	WILD	S. AMERICA J HANAN OKLAHOMA	~ 1966 ~ 1966 8 Feb 1966 28 Feb 1973	NONE _____ 072001	Capture Transfer Transfer Death
18	F	~ 1964	WILD	WILD	S. AMERICA J HANAN OKLAHOMA	~ 1966 ~ 1966 8 Feb 1966 31 Oct 1975	NONE _____ 072102	Capture Transfer Transfer Death
19	M	~ 1966	WILD	WILD	S. AMERICA HERMOSA B SANDIEGOZ TOLEDO LEBEDA	~ 1968 ~ 1968 17 Oct 1968 10 Feb 1977 26 Oct 1989	NONE _____ 200602 771509 _____	Capture Transfer Transfer Transfer lrf Transfer

20	M	~ 1964	WILD	WILD	S. AMERICA CHASE B SANDIEGOZ	~ 1966 ~ 1966 26 Sep 1967 25 Dec 1968	NONE _____ 413628	Capture Transfer Transfer Death
21	M	~ 1964	WILD	WILD	S. AMERICA CHASE B SOLANO C GLENDALE	~ 1965 ~ 1965 ~ 1965 ~ 1970 ~ 1981	NONE _____ _____ _____ _____	Capture Transfer Transfer Transfer Death
22	F	~ 1964	WILD	WILD	S. AMERICA CHASE B SOLANO C GLENDALE	~ 1965 ~ 1965 ~ 1965 ~ 1970 ~ 1981	NONE _____ _____ _____ _____	Capture Transfer Transfer Transfer Death
23	F	~ 1965	WILD	WILD	S. AMERICA ABILENE TORONTO	~ 1966 1 Jul 1966 28 Oct 1982 23 Jan 1988	NONE 200 16856 _____	Capture Transfer Transfer Death
24	M	~ 1965	WILD	WILD	S. AMERICA ABILENE TORONTO	~ Jan 1966 1 Jul 1966 28 Oct 1982 19 Sep 1990	NONE 201 16855 _____	Capture Transfer Transfer Death
25	M	~ 1966	WILD	WILD	S. AMERICA SAN ANTON	~ Jan 1968 8 Apr 1968 23 Nov 1985	NONE 680072 _____	Capture Transfer Death
26	F	~ 1966	WILD	WILD	S. AMERICA SAN ANTON GILLIS	~ Jan 1968 8 Apr 1968 6 Apr 1992 ~ 1997	NONE 680073 _____ _____	Capture Transfer Transfer Death
27	M	~ 1966	WILD	WILD	S. AMERICA SAN ANTON LAKEBUENA	~ Dec 1967 1 Jan 1968 9 Nov 1978 1 Jan 1992	NONE 680097 081102 _____	Capture Transfer Transfer Death
28	F	~ 1966	WILD	WILD	S. AMERICA SAN ANTON LAKEBUENA	~ Dec 1967 1 Jan 1968 9 Nov 1978 1 Jan 1992	NONE 680098 081103 _____	Capture Transfer Transfer Death
29	F	~ 1967	WILD	WILD	S. AMERICA CHASE B NZP-WASH NZP-CRC	~ 1968 ~ 1968 5 Sep 1968 3 May 1983	NONE _____ 33377 33377	Capture Transfer Transfer Transfer

					TRACY AV	17 Sep 1985	850515	Transfer
						~ 1988		Death
30	M	~ 1969	WILD	WILD	S. AMERICA	~ 1969	NONE	Capture
					CHASE B	~ 1969		Transfer
					BATONROUG	19 Jul 1971	90	Transfer
					MONTGOMRY	4 Oct 1983		Transfer
					BATONROUG	5 Aug 1988	90	Transfer
					EVANSVILLE	10 Aug 1988	288104	Transfer
						14 Jul 1992		Death
31	F	~ 1969	WILD	WILD	S. AMERICA	~ 1971	NONE	Capture
					CHASE B	~ 1971		Transfer
					BATONROUG	19 Jul 1971	89	Transfer
						23 Jun 1988		Death
32	F	~ 1970	WILD	WILD	S. AMERICA	~ 1971	NONE	Capture
					FREY W	~ 1971		Transfer
					PHILADELP	19 May 1972	20554	Transfer
					NZP-WASH	13 Sep 1973	201845	Transfer
						4 Aug 1983		Death
33	?	27 Jan 1998	162	139	CL SPR AV	27 Jan 1998		Hatch
						~ 1998		Death
34	?	~ 1970	WILD	WILD	S. AMERICA	~ 1972	NONE	Capture
					MERRIT	~ 1972		Transfer
					CHICAGOLP	8 Apr 1972	4099	Transfer
						16 Aug 1972		Death
35	M	~ 1970	WILD	WILD	S. AMERICA	~ 1972	NONE	Capture
					FREY W	~ 1972		Transfer
					PHILADELP	19 May 1972	20555	Transfer
						25 May 1972		Death
36	M	~ 1970	WILD	WILD	S. AMERICA	~ 1971	NONE	Capture
					SCHEDL	~ 1971		Transfer
					TOLEDO	1 Jan 1971	711508	Transfer
						28 Dec 1987		Death
37	M	~ 1971	WILD	WILD	S. AMERICA	~ 1973	NONE	Capture
					CHICAGOLP	1 Jan 1973		Transfer
					OKLAHOMA	5 Dec 1973	343203	Transfer
						9 Jun 1974		Death
38	F	~ 1972	WILD	WILD	S. AMERICA	~ 1974	NONE	Capture
					CHASE B	~ 1974		Transfer
					COLUMBIA	10 May 1974	SJ0280	Transfer
					NZP-WASH	12 May 1981	206529	Transfer
						7 Aug 1981		Death

39	F	~ 1972	WILD	WILD	S. AMERICA CHASE B BATONROUG CHATFIELD SAN FRAN LOSANGELE	~ 1975 ~ 1975 5 Nov 1975 26 Jan 1982 4 Nov 1983 5 Nov 1983 11 Jan 1991	NONE <u>91</u> <u>283022</u> 001484	Capture Transfer Transfer Transfer Transfer Death
40	M	11 Jul 1973	25	26	SAN ANTON	11 Jul 1973 10 Jun 1977	730749	Hatch Death
41	M	~ 1975	WILD	WILD	S. AMERICA LOSANGELE COLUMBIA	~ 1977 ~ May 1977 18 Aug 1977 ~ Jul 1998	NONE 06764 SJ1167	Capture Transfer Transfer Death
42	M	~ 1977	21	22	GLENDAL NZP-WASH	~ 1977 13 Apr 1978 2 May 1978	<u>205318</u>	Hatch Transfer Death
43	M	~ 1977	WILD	WILD	S. AMERICA BELLBIRD SANDIEGOZ ORNATUS	~ 1979 ~ 1980 22 Jan 1981 19 Oct 1989 5 Nov 1997	NONE <u>281491</u> 281491	Capture Transfer Transfer Death
44	?	14 Jun 1977	25	26	SAN ANTON	14 Jun 1977 2 Jul 1977	770630	Hatch Death
45	F	~ 1978	WILD	WILD	S. AMERICA SANDIEGOZ SD-WAP	~ 1980 22 Jan 1981 2 Mar 1983 8 Aug 1984	NONE 016483 016483	Capture Transfer Transfer Death
46	M	~ 5 Feb 1978	21	22	GLENDAL TULSA	~ 5 Feb 1978 5 Feb 1979	<u>3287</u>	Hatch Transfer
47	F	~ 5 Feb 1978	21	22	GLENDAL TULSA	~ 5 Feb 1978 5 Feb 1979 22 Jun 2004	<u>3288</u>	Hatch Transfer Death
48	F	23 May 1978	25	26	SAN ANTON LAKEBUENA	23 May 1978 9 Nov 1978 18 Jan 1999	781594 081101	Hatch Transfer Death
49	F	~10 Dec 1978	21	22	GLENDAL SAN ANTON	~10 Dec 1978 11 Dec 1979	<u>791240</u>	Hatch Transfer
50	M	~25 Jan 1979	21	22	GLENDAL BATONROUG	~25 Jan 1979 26 Jan 1980	<u>340</u>	Hatch Transfer



					CHATFIELD	26 Jan 1982		Transfer
					SAN FRAN	4 Nov 1983	283021	Transfer
					LOSANGELE	5 Nov 1983	001483	Transfer
						2 Sep 1992		Death
51	F	~23 May 1979	21	22	GLENDAL	~23 May 1979		Hatch
					SAN ANTON	23 May 1980	801519	Transfer
					NZP-WASH	3 May 1984	208265	Transfer
					CL SPR AV	31 Aug 1995		Transfer
						~ 1 Dec 2000		Death
52	M	19 Jun 1979	25	26	SAN ANTON	19 Jun 1979	791643	Hatch
53	M	~ 6 Feb 1980	21	22	GLENDAL	~ 6 Feb 1980		Hatch
					WILD WRLD	5 Feb 1984	349	Transfer
						16 Nov 1989		Death
54	F	~ 6 Feb 1980	21	22	GLENDAL	~ 6 Feb 1980		Hatch
					WILD WRLD	5 Feb 1984	350	Transfer
						27 Jun 1989		Death
55	M	29 Mar 1980	21	22	GLENDAL	29 Mar 1980		Hatch
					SANDIEGOZ	29 Aug 1980	204375	Transfer
					SD-WAP	2 Mar 1983	204375	Transfer
					ATASCADER	29 Jul 1987	870009	Transfer
					SAFARI W	10 Feb 1993	870009	Transfer
						15 Jun 1996		Death
56	F	~ 1983	UNK	UNK	SANDIEGOZ	24 Aug 1984	026617	Transfer
					SD-WAP	3 Oct 1984	026617	Transfer
					ATASCADER	30 Jun 1987	870010	Transfer
					SAFARI W	10 Feb 1993	29309	Transfer
						15 Jun 1996		Death
57	F	29 Mar 1980	21	22	GLENDAL	29 Mar 1980		Hatch
					SANDIEGOZ	29 Aug 1980	204376	Transfer
					ORNATUS	19 Oct 1989	204376	Transfer
						~25 Oct 1989		Death
58	M	~23 Jul 1980	WILD	WILD	BOLIVIA	~ 1981	UKNK	Capture
					WORLDWIDE	~ 1981		Transfer
					DALLAS	24 Jul 1981	813001	Transfer
						18 Sep 1992		Death
59	M	~23 Jul 1980	WILD	WILD	BOLIVIA	~ 1981	NONE	Capture
					WORLDWIDE	~ 1981		Transfer
					DALLAS	24 Jul 1981	813002	Transfer
					PHILADELP	12 Sep 1986	203346	Transfer
						25 Dec 1989		Death

60	F	~23 Jul 1980	WILD	WILD	BOLIVIA WORLDWIDE DALLAS PHILADELP BATONROUG	~ 1981 ~ 1981 24 Jul 1981 12 Sep 1986 9 Jan 1992 14 May 1993	NONE _____ 813003 203347 6882	Capture Transfer Transfer Transfer Death
61	M	25 Jul 1980	46	47	TULSA NZP-WASH	25 Jul 1980 17 Jun 1981 25 Dec 1983	4309 206814	Hatch Transfer Death
62	M	~ 1981	WILD	WILD	S.AMERICA CHASE B BATONROUG	~ 1983 ~ 1983 6 Apr 1983 12 Feb 1992	NONE _____ 550	Capture Transfer Transfer Death
63	M	5 Jun 1981	46	47	TULSA BATONROUG MONTGOMRY BATONROUG EVANSVILLE BATONROUG DALLAS	5 Jun 1981 2 Sep 1982 4 Oct 1983 5 Aug 1988 10 Aug 1988 19 Oct 1992 9 Sep 1993 5 May 1999	4705 512 _____ 512 288105 512 938556	Hatch Transfer Transfer Transfer Transfer Transfer Death
64	M	10 May 1982	59	60	DALLAS LAKEBUENA WILD WRLD	10 May 1982 2 Nov 1982 5 Nov 1999	823255 121101 6195	Hatch Transfer Transfer
65	F	25 May 1982	55	UNK	SANDIEGOZ NZP-CRC DETROIT KNOXVILLE WORLDBIRD KNOXVILLE	25 May 1982 23 Mar 1983 16 Oct 1985 3 Mar 1988 23 Sep 1992 26 Oct 1992 20 Feb 2001	082719 207661 1617 99 _____ 99	Hatch Transfer Transfer Transfer Transfer Death
66	?	25 May 1982	55	UNK	SANDIEGOZ LEVIN	25 May 1982 29 Feb 1984	082720 _____ ltf	Hatch Transfer
67	M	12 Jun 1982	55	45	SANDIEGOZ MICH KEN	12 Jun 1982 29 Apr 1987	082838 _____ ltf	Hatch Transfer
68	M	13 Jun 1982	55	45	SANDIEGOZ MICH KEN	13 Jun 1982 29 Apr 1987	082844 _____ ltf	Hatch Transfer
69	F	2 Jul 1982	55	UNK	SANDIEGOZ LANNOM	2 Jul 1982 26 Feb 1984 ~ 1995	082901 _____ _____ Death	Hatch Transfer Death

70	?	3 Jul 1982	55	UNK	SANDIEGOZ	3 Jul 1982 14 Jan 1984	082902	Hatch Death
71	M	16 Sep 1982	55	UNK	SANDIEGOZ LANNOM	16 Sep 1982 26 Feb 1984 ~ 1995	182170	Hatch Transfer Death
72	?	16 Sep 1982	55	UNK	SANDIEGOZ STEHLY	16 Sep 1982 14 Oct 1983	182171	Hatch ltf Transfer
73	?	15 Apr 1983	59	60	DALLAS SAFARI W	15 Apr 1983 2 Nov 1983	833594	Hatch ltf Transfer
74	?	15 Apr 1983	59	60	DALLAS SAFARI W	15 Apr 1983 2 Nov 1983	833595	Hatch ltf Transfer
75	?	19 May 1983	52	49	SAN ANTON	19 May 1983 20 May 1983	831520	Hatch Death
76	M	20 May 1983	52	49	SAN ANTON NZP-WASH	20 May 1983 3 May 1984 16 Feb 1994	831537 208264	Hatch Transfer Death
77	M	20 May 1983	52	49	SAN ANTON HENDEE	20 May 1983 3 Oct 1984	831536	Hatch ltf Transfer
78	M	14 Jul 1983	46	47	TULSA BALTIMORE TOLEDO LEBEDA	14 Jul 1983 11 Jun 1987 5 Oct 1988 26 Oct 1989	6118 87957 881591	Hatch Transfer Transfer ltf Transfer
79	?	19 May 1984	53	54	WILD WRLD	19 May 1984 29 May 1984	385	Hatch Death
80	F	7 Jun 1984	59	60	DALLAS	7 Jun 1984 2 Nov 1984	844041	Hatch Death
81	F	7 Jun 1984	59	60	DALLAS	7 Jun 1984	844042	Hatch
82	F	10 Jun 1984	52	49	SAN ANTON DETROIT	10 Jun 1984 17 Jun 1985 21 Aug 1985	840641 1542	Hatch Transfer Death
83	F	11 Jun 1984	52	49	SAN ANTON DETROIT BALTIMORE SEATTLE	11 Jun 1984 17 Jul 1985 17 Jul 1987 9 Apr 1988 4 Sep 2003	840654 1543 87966 880117	Hatch Transfer Transfer Transfer Death

84	M	26 Jul 1984	46	47	TULSA TRACY AV	26 Jul 1984 9 Aug 1985 17 Dec 1987	6834 850514	Hatch Transfer Death
85	?	27 Jul 1984	46	47	TULSA	27 Jul 1984 2 Aug 1984	6844	Hatch Death
86	M	1 Aug 1984	62	31	BATONROUG GULF BREZ BATONROUG DISNEY AK DALLAS	1 Aug 1984 3 Dec 1988 24 Mar 1995 25 Sep 1997 30 Apr 2002	670 661 670 970161 02E317	Hatch Transfer Transfer Transfer Transfer
87	F	1 Aug 1984	62	31	BATONROUG ALEXANDRI	1 Aug 1984 2 Mar 1992 ~ Jun 2003	642 AV0001	Hatch Transfer Death
88	F	3 Aug 1984	62	31	BATONROUG GREENVISC KNOXVILLE SEDGWICK	3 Aug 1984 20 May 1986 27 Apr 1988 24 Apr 2003	671 86A046 100 10408	Hatch Transfer Transfer Transfer
89	?	29 Aug 1984	62	31	BATONROUG	29 Aug 1984 16 Nov 1984	5673	Hatch Death
90	F	14 Apr 1985	59	60	DALLAS CALDWELL	14 Apr 1985 6 Jan 1986 24 May 1989	854268 000810	Hatch Transfer Death
91	?	14 Apr 1985	59	60	DALLAS	14 Apr 1985 17 Aug 1985	854267	Hatch Death
92	M	15 Apr 1985	59	60	DALLAS CALDWELL LOWRY	15 Apr 1985 6 Jan 1986 1 Nov 2005	854269 000809 205356	Hatch Transfer Transfer
93	?	20 May 1985	62	31	BATONROUG	20 May 1985 5 Jun 1985	5769	Hatch Death
94	F	31 May 1985	52	49	SAN ANTON TACOMA WINSTON DRAKE P	31 May 1985 27 Feb 1986 3 Apr 1989 29 Aug 1990	852525 86A002 850001 _____	Hatch Transfer Transfer Transfer ltf
95	M	19 Jun 1985	62	31	BATONROUG GREENVISC KNOXVILLE	19 Jun 1985 20 May 1986 27 Apr 1988	5770 86A047 101	Hatch Transfer Transfer
96	?	1 Jan 1986	62	31	BATONROUG	1 Jan 1986	5819	Hatch

						10 Apr 1986		Death
97	?	3 Jan 1986	62	31	BATONROUG	3 Jan 1986 3 Feb 1986	5820	Hatch Death
98	F	3 Apr 1986	UNK	UNK	SD-WAP	3 Apr 1986 3 Apr 1986	029553	Hatch Death
99	F	5 Apr 1986	58	81	DALLAS C. YOUNG	5 Apr 1986 15 Jan 1987	864605 _____	Hatch ltf Transfer
100	M	5 Apr 1986	58	81	DALLAS AURORA	5 Apr 1986 20 Nov 1986	864606 _____	Hatch ltf Transfer
101	F	18 May 1986	52	49	SAN ANTON EVANSVILLE	18 May 1986 15 Oct 1987 11 Jun 1990	861507 287189	Hatch Transfer Death
102	F	25 May 1986	55	56	SD-WAP MICH KEN	25 May 1986 29 Apr 1987	034584 _____	Hatch ltf Transfer
103	M	~ May 1996	148	171	CROFT L GILLIS	~ May 1996 ~ Jan 2001	_____ _____	Hatch ltf Transfer
104	?	27 Jun 1986	58	81	DALLAS	27 Jun 1986 17 Jul 1986	864714	Hatch Death
105	?	10 Jul 1986	62	31	BATONROUG J.DISCH	10 Jul 1986 4 Apr 1987	5893 _____	Hatch ltf Transfer
106	?	16 Aug 1986	62	31	BATONROUG J.DISCH	16 Aug 1986 4 Apr 1987	5916 _____	Hatch ltf Transfer
107	?	5 Sep 1986	62	31	BATONROUG J.DISCH	5 Sep 1986 4 Apr 1987	5917 _____	Hatch ltf Transfer
108	?	17 Apr 1987	62	31	BATONROUG GULF BREZ	17 Apr 1987 20 Jun 1987 8 Aug 1994	5983 378	Hatch Transfer Death
109	F	24 May 1987	UNK	UNK	DALLAS ALEXANDRI AUDUBON	24 May 1987 9 Dec 1987 14 Jan 2006 25 Apr 2006	874967 439001 101858	Hatch Transfer Transfer Death
110	?	12 Jun 1987	52	49	SAN ANTON EVANSVILLE	12 Jun 1987 15 Oct 1987 2 Mar 1988	870672 287190	Hatch Transfer Death

111	M	19 Jul 1987	43	57	SANDIEGOZ SD-WAP SANDIEGOZ	19 Jul 1987 387823 11 Sep 1987 387823 16 Mar 1988	Hatch Transfer Death
112	F	27 Aug 1987	92	90	CALDWELL SEATTLE CALDWELL MINNESOTA KANSASCTY	27 Aug 1987 001503 20 Mar 1989 890052 9 May 1989 001503 24 Oct 1989 6366 17 Sep 1991 202783	Hatch Transfer Transfer Transfer Transfer
113	?	3 Apr 1988	58	81	DALLAS MCCOY T	3 Apr 1988 886174 9 Jun 1988 _____	Hatch l t f Transfer
114	?	3 Apr 1988	58	81	DALLAS MCCOY T	3 Apr 1988 886175 9 Jun 1988 _____	Hatch l t f Transfer
115	?	3 Apr 1988	58	81	DALLAS MCCOY T	3 Apr 1988 886176 9 Jun 1988 _____	Hatch l t f Transfer
116	F	25 Apr 1988	92	90	CALDWELL RIO GRAND	25 Apr 1988 001582 13 Jun 1989 B21734	Hatch Transfer
117	F	28 May 1988	52	49	SAN ANTON CALDWELL	28 May 1988 881584 19 Jul 1989 001592 11 Jun 1993	Hatch Transfer Death
118	M	7 Jun 1988	55	56	ATASCADER RUNDEL SAN FRAN RUNDEL GILLIS	7 Jun 1988 880025 1 Jun 1989 _____ 19 Jul 1989 289015 1 Jan 1991 _____ ~ 1994 _____ 14 Jul 1997	Hatch Transfer Transfer Transfer Transfer Death
119	F	7 Jun 1988	55	56	ATASCADER RUNDEL SAN FRAN RUNDEL GILLIS	7 Jun 1988 880026 1 Jun 1989 _____ 19 Jul 1989 289016 1 Jan 1991 _____ ~ 1994 101	Hatch Transfer Transfer Transfer l t f Transfer
120	F	18 Jun 1988	62	31	BATONROUG COLUMBIA	18 Jun 1988 6070 18 May 1989 004977	Hatch Transfer
121	F	~18 Jun 1988	62	31	BATONROUG WILMOTH	~18 Jun 1988 6089 2 May 1989 _____	Hatch l t f Transfer
122	F	26 Jun 1988	43	57	SANDIEGOZ WALSRODE	26 Jun 1988 388980 20 Apr 1989 _____	Hatch l t f Transfer
123	M	27 Jun 1988	43	57	SANDIEGOZ	27 Jun 1988 388985	Hatch

					WALSRODE	20 Apr 1989	_____	ltf	Transfer
124	?	18 Jul 1988	UNK	UNK	DALLAS	18 Jul 1988	886270		Hatch
						29 Jul 1988			Death
125	F	18 Jul 1988	43	57	SANDIEGOZ	18 Jul 1988	488139		Hatch
					WALSRODE	20 Apr 1989	_____	ltf	Transfer
126	?	16 Sep 1988	58	81	DALLAS	16 Sep 1988	886295		Hatch
					MCCOY T	5 Dec 1988	_____	ltf	Transfer
127	?	16 Sep 1988	58	81	DALLAS	16 Sep 1988	886296		Hatch
					MCCOY T	5 Dec 1988	_____	ltf	Transfer
128	?	15 Apr 1989	58	81	DALLAS	15 Apr 1989	896515		Hatch
						5 May 1989			Death
129	?	15 Apr 1989	58	81	DALLAS	15 Apr 1989	896516		Hatch
						5 May 1989			Death
130	M	20 Apr 1989	62	87	BATONROUG	20 Apr 1989	6212		Hatch
					WILD WRLD	5 Dec 1989	2640		Transfer
					GILLIS	9 Dec 1991	_____		Transfer
						~ 1994			Death
131	F	20 Apr 1989	62	87	BATONROUG	20 Apr 1989	6213		Hatch
					ORNATUS	21 Nov 1989	6213		Transfer
					CROFT L	~ 1 Dec 1998	_____		Transfer
					GILLIS	~ Jan 2001	_____	ltf	Transfer
132	?	6 Jun 1989	59	60	PHILADELP	6 Jun 1989	203956		Hatch
						9 Jun 1989			Death
133	F	7 Jun 1989	43	57	SANDIEGOZ	7 Jun 1989	389727		Hatch
					VANDERHOO	18 Dec 1989	_____	ltf	Transfer
134	?	16 Jun 1989	46	47	TULSA	16 Jun 1989	9316		Hatch
						28 Jun 1989			Death
135	M	9 Jul 1989	43	57	SANDIEGOZ	9 Jul 1989	389955		Hatch
					SEATTLE	3 Nov 1989	891063		Transfer
						18 Aug 2000			Death
136	F	12 Jul 1989	43	57	SANDIEGOZ	12 Jul 1989	389973		Hatch
					VANDERHOO	18 Dec 1989	_____	ltf	Transfer
137	?	10 Aug 1989	46	47	TULSA	10 Aug 1989	9427		Hatch
						21 Aug 1989			Death
138	?	3 Nov 1989	62	87	BATONROUG	3 Nov 1989	6288		Hatch

					WILD WRLD	5 Dec 1989	2641		Transfer
						14 Mar 1990			Death
139	F	26 Jun 1986	59	60	DALLAS	26 Jun 1986	864713		Hatch
					AURORA	20 Nov 1986	_____		Transfer
					NEWMAN	~ Jun 1990	_____		Transfer
					CL SPR AV	~ Jul 1990	75	ltf	Transfer
140	?	10 Mar 1990	62	87	BATONROUG	10 Mar 1990	6407		Hatch
						26 Mar 1990			Death
141	?	10 Mar 1990	62	87	BATONROUG	10 Mar 1990	6408		Hatch
						22 Mar 1990			Death
142	?	12 Apr 1991	52	49	SAN ANTON	12 Apr 1991	911424		Hatch
					KARGER J	24 Apr 1991	_____		Transfer
						~ Jun 1991			Death
143	?	13 Apr 1991	52	49	SAN ANTON	13 Apr 1991	910442		Hatch
					KARGER J	24 Apr 1991	_____	ltf	Transfer
144	?	25 Apr 1991	62	87	BATONROUG	25 Apr 1991	6723		Hatch
						4 May 1991			Death
145	?	27 Apr 1991	58	81	DALLAS	27 Apr 1991	917089		Hatch
						27 Apr 1991			Death
146	F	27 Apr 1991	58	81	DALLAS	27 Apr 1991	917090		Hatch
					MCCOY T	16 Mar 1992	_____	ltf	Transfer
147	F	29 Apr 1991	58	81	DALLAS	29 Apr 1991	917091		Hatch
					MCCOY T	16 Mar 1992	_____	ltf	Transfer
148	M	17 May 1991	64	48	LAKEBUENA	17 May 1991	210507		Hatch
					SHARPE M	~ Jul 1991	_____		Transfer
					CROFT L	~ 1993	_____		Transfer
					ST LOUIS	11 Jul 1996	960706		Transfer
						23 Jul 2000			Death
149	F	18 May 1991	64	48	LAKEBUENA	18 May 1991	210509		Hatch
					SHARPE M	31 Mar 1993	_____		Transfer
					CROFT L	~ 1993	_____		Transfer
					GILLIS	~ 1996	108	ltf	Transfer
150	F	19 May 1991	64	48	LAKEBUENA	19 May 1991	210510		Hatch
					SHARPE M	31 Mar 1993	_____	ltf	Transfer
151	F	27 Sep 1991	64	48	LAKEBUENA	27 Sep 1991	210903		Hatch
					FRESNO	23 Apr 1992	6034		Transfer



						18 Jul 1995		Death
152	F	28 Apr 1992	64	48	LAKEBUENA SHARPE M	28 Apr 1992 31 Mar 1993	220413 _____	Hatch ltf Transfer
153	M	28 Apr 1992	64	48	LAKEBUENA SHARPE M	28 Apr 1992 31 Mar 1993	220412 _____	Hatch ltf Transfer
154	M	28 Apr 1992	64	48	LAKEBUENA SHARPE M	28 Apr 1992 31 Mar 1993	220411 _____	Hatch ltf Transfer
155	M	13 Jun 1992	135	83	SEATTLE CRAWFRD W	13 Jun 1992 3 Dec 1992	920370 _____	Hatch Transfer
156	F	13 Jun 1992	135	83	SEATTLE CRAWFRD W	13 Jun 1992 10 Jun 1993	920371 _____	Hatch Transfer
157	F	12 Jul 1992	95	88	KNOXVILLE DENVER	12 Jul 1992 22 Apr 1999	337 990191	Hatch Transfer
158	F	14 Jul 1992	95	88	KNOXVILLE WORLDBIRD	14 Jul 1992 5 Feb 1993 23 Mar 2005	338 338	Hatch Transfer Death
159	?	27 Jul 1992	58	81	DALLAS	27 Jul 1992 31 Jul 1992	927797	Hatch Death
160	?	22 Sep 1992	52	49	SAN ANTON	22 Sep 1992 23 Sep 1992	920923	Hatch Death
161	?	23 Sep 1992	52	49	SAN ANTON	23 Sep 1992 23 Sep 1992	920924	Hatch Death
162	M	8 Mar 1993	52	49	SAN ANTON CL SPR AV	8 Mar 1993 28 Sep 1993	930311 76	Hatch ltf Transfer
163	M	17 Apr 1993	43	131	ORNATUS CROFT L PITRE BOYLE	17 Apr 1993 ~ 1 Dec 1998 ~ Jan 2001 15 Jun 2001	_____ _____ _____ _____	Hatch Transfer Transfer ltf Transfer
164	F	20 Jun 1993	64	48	LAKEBUENA CINCINNAT CRAWFRD W KNOXVILLE	20 Jun 1993 14 Jul 1993 19 Jul 1993 15 May 2003	230658 293129 _____ 2656	Hatch Transfer Transfer Transfer
165	?	22 Jun 1993	64	48	LAKEBUENA	22 Jun 1993 25 Jun 1993	230661	Hatch Death
166	?	23 Jun 1993	64	48	LAKEBUENA	23 Jun 1993	230663	Hatch

					CINCINNAT	14 Jul 1993	293130		Transfer
167	?	4 Sep 1993	64	48	LAKEBUENA	4 Sep 1993	230905		Hatch
					CINCINNAT	26 Oct 1993	293290		Transfer
					CRAWFRD W	27 Oct 1993	_____		Transfer
168	?	4 Sep 1993	64	48	LAKEBUENA	4 Sep 1993	230906		Hatch
						10 Sep 1993			Death
169	F	~ 1993	UNK	UNK	BATONROUG	~ 1993	_____		Hatch
					SLAUGHTER	10 Sep 1996	_____		Transfer
					DREHER PA	10 Sep 1996	96170		Transfer
						16 Jan 1997			Death
170	M	~ 1993	UNK	UNK	BATONROUG	~ 1993	_____		Hatch
					SLAUGHTER	10 Sep 1996	_____		Transfer
					DREHER PA	10 Sep 1996	96169		Transfer
					WORLDBIRD	7 Jan 1998	980002		Transfer
171	F	~ Jan 1994	193	119	GILLIS	~ Jan 1994	_____		Hatch
					CROFT L	~ 1995	_____		Transfer
					ST LOUIS	11 Jul 1996	960707		Transfer
						8 Nov 2000			Death
172	F	~ Jun 1998	194	196	GILLIS	~ Jun 1998	_____	ltf	Hatch
173	F	~ 1994	43	131	ORNATUS	~ 1994	_____		Hatch
					CROFT L	2 Feb 1995	_____		Transfer
						3 Feb 1995			Death
174	M	23 Mar 1994	162	139	CL SPR AV	23 Mar 1994	95		Hatch
					COLUMBIA	6 Aug 1998	6630		Transfer
175	M	24 Mar 1994	162	139	CL SPR AV	24 Mar 1994	_____		Hatch
					NZP-WASH	8 Jun 1995	213649		Transfer
					CL SPR AV	8 Jul 1997	_____	ltf	Transfer
176	M	28 Apr 1994	64	48	LAKEBUENA	28 Apr 1994	240419		Hatch
					ORNATUS	11 Oct 1994	240419		Transfer
					NZP-WASH	8 Nov 1995	213705		Transfer
177	?	29 Apr 1994	64	48	LAKEBUENA	29 Apr 1994	240421		Hatch
						5 May 1994			Death
178	F	29 Jul 1994	193	119	GILLIS	29 Jul 1994	_____		Hatch
					FRESNO	29 Oct 1995	950222		Transfer
					NZP-WASH	24 Oct 2006	215590		Transfer
179	?	8 Apr 1995	43	131	ORNATUS	8 Apr 1995	_____		Hatch

					CARVALHO	~ May 1995	_____	lrf	Transfer
180	M	9 Jun 1995	95	88	KNOXVILLE ORNATUS	9 Jun 1995 8 May 1996 15 Mar 1998	542 542		Hatch Transfer Death
181	?	17 Jun 1995	64	48	LAKEBUENA WORLDBIRD	17 Jun 1995 24 Aug 1999 ~ 6 Sep 2000	250630 990020		Hatch Transfer Death
182	F	19 Jun 1995	64	48	LAKEBUENA WORLDBIRD CALDWELL LOWRY	19 Jun 1995 6 Oct 1995 25 Sep 1997 1 Nov 2005	250635 950610 104145 205357		Hatch Transfer Transfer Transfer
183	F	~ 1996	UNK	UNK	CROFT L ORNATUS	~ 1996 23 Aug 1996 5 Apr 1997	_____ _____ _____		Hatch Transfer Death
184	?	~ 1996	43	131	ORNATUS CRAWFRD W	~ 1996 14 Oct 1996 9 Jan 1997	_____ _____ _____		Hatch Transfer Death
185	F	14 May 1996	162	139	CL SPR AV ORNATUS CROFT L PITRE BOYLE TORONTO	14 May 1996 7 Nov 1996 ~ 1 Dec 1998 ~ Jan 2001 15 Jun 2001 21 May 2004	_____ _____ _____ _____ _____ 39385		Hatch Transfer Transfer Transfer Transfer Transfer
186	M	7 Jun 1996	UNK	UNK	CROFT L BATONROUG DISNEY AK METROZOO LOSANGELE	7 Jun 1996 21 Aug 1996 25 Sep 1997 7 May 2002 14 Jun 2005	_____ 7812 970160 B20046 991063		Hatch Transfer Transfer Transfer Transfer
187	?	12 Jun 1996	64	48	LAKEBUENA	12 Jun 1996 14 Jun 1996	260609		Hatch Death
188	?	16 Jun 1996	52	49	SAN ANTON	16 Jun 1996 19 Aug 1996	960674		Hatch Death
189	M	4 Jul 1996	95	88	KNOXVILLE LAKEBUENA WORLDBIRD	4 Jul 1996 6 Mar 1997 24 Aug 1999	632 270314 990021		Hatch Transfer Transfer
190	M	29 May 1997	162	139	CL SPR AV FOSKY	29 May 1997 ~15 Sep 1997	_____ _____	lrf	Hatch Transfer
191	F	30 May 1997	162	139	CL SPR AV	30 May 1997	_____		Hatch

					NZP-WASH	25 Sep 1997	213963	Transfer
					SCOT NECK	~26 Oct 2006	UNK	Transfer
192	M	28 Jan 1998	162	139	CL SPR AV	28 Jan 1998	_____	Hatch
					SEDGWICK	24 Jun 1999	8965	Transfer
193	M	~ 1980	21	22	GLENDALE	~ 1980	_____	Hatch
					DIAZ	~ 1981	_____	Transfer
					GILLIS	~ 1992	102	lft Transfer
194	M	~ 1974	WILD	WILD	S. AMERICA	~ 1974	NONE	Capture
					CROFT L	~ 1975	_____	Transfer
					GILLIS	~ 1996	107	lft Transfer
195	M	11 Oct 1997	194	196	GILLIS	11 Oct 1997	109	lft Hatch
196	F	~ 1979	WILD	WILD	S. AMERICA	~ 1980	NONE	Capture
					BELLBIRD	~ 1980	_____	Transfer
					GUNDERSON	~ 1981	_____	Transfer
					GILLIS	~ Jun 1995	106	Transfer
					CROFT L	~ Sep 1995	_____	Transfer
					GILLIS	~ 1996	106	lft Transfer
197	M	~ May 1996	148	171	CROFT L	~ May 1996	_____	Hatch
					GILLIS	~ Jan 2001	_____	lft Transfer
198	?	11 Oct 1997	194	196	GILLIS	11 Oct 1997	_____	Hatch
						11 Oct 1997	_____	Death
199	?	28 Jun 1998	176	191	NZP-WASH	28 Jun 1998	214053	Hatch
						30 Jun 1998	_____	Death
200	?	28 Jun 1998	176	191	NZP-WASH	28 Jun 1998	214502	Hatch
					CRAWFRD W	19 Nov 1998	_____	Transfer
203	?	23 May 1999	176	191	NZP-WASH	23 May 1999	214318	Hatch
					CRAWFRD W	27 Oct 1999	_____	Transfer
						~ 2000	_____	Death
204	F	24 May 1999	176	191	NZP-WASH	24 May 1999	214319	Hatch
					CRAWFRD W	27 Oct 1999	_____	Transfer
					QUEBEC	4 Oct 2002	A25004	Transfer
					GRANBY	26 Oct 2006	B99046	Transfer
205	F	7 Oct 1998	148	171	ST LOUIS	7 Oct 1998	981084	Hatch
					ROCHESTER	8 Apr 1999	104865	Transfer
					KNOXVILLE	11 Nov 2002	2543	Transfer
206	M	8 Oct 1998	148	171	ST LOUIS	8 Oct 1998	982001	Hatch

					WILD WRLD	3 Mar 1999	6119		Transfer
207	?	26 Jul 1999	148	171	ST LOUIS ORLANDO	26 Jul 1999 6 Jan 2000	990781 RLS250		Hatch Transfer
208	?	~ Jan 1999	162	139	CL SPR AV CHOULES	~ Jan 1999 5 Mar 1999 ~ Jun 1999	_____ _____ _____		Hatch Transfer Death
209	?	26 Jun 1999	92	182	CALDWELL	26 Jun 1999 27 Jun 1999	104401		Hatch Death
210	?	26 Jun 1999	92	182	CALDWELL	26 Jun 1999 28 Jun 1999	104400		Hatch Death
211	?	~ Jan 1994	71	69	LANNOM	~ Jan 1994 ~ 1994	_____ _____		Hatch Death
212	?	~ Jun 1998	194	196	GILLIS	~ Jun 1998 ~ Jun 1998	_____ _____		Hatch Death
213	M	~ Jun 1998	193	119	GILLIS	~ Jun 1998	_____	ltf	Hatch
214	?	25 Apr 2000	176	191	NZP-WASH	25 Apr 2000 5 May 2000	214482		Hatch Death
215	?	27 Apr 2000	176	191	NZP-WASH	27 Apr 2000 2 May 2000	214483		Hatch Death
216	M	15 Jun 2000	176	191	NZP-WASH ALEXANDRI	15 Jun 2000 16 Nov 2000 ~ Jun 2004	214563 AV0019		Hatch Transfer Death
217	?	19 Jun 2000	176	191	NZP-WASH	19 Jun 2000 27 Jun 2000	214567		Hatch Death
218	M	29 May 2001	176	191	NZP-WASH CL SPR AV BENNETT METROZOO BENNETT R	29 May 2001 16 Nov 2001 ~ May 2002 17 Feb 2003 ~ Jun 2004	214786 _____ _____ B30023 _____		Hatch Transfer Transfer Transfer ltf Transfer
219	?	14 Oct 1999	148	171	ST LOUIS ORLANDO	14 Oct 1999 6 Jan 2000 25 Sep 2003	991015 RLS251		Hatch Transfer Death
220	?	15 Aug 2001	163	185	BOYLE	15 Aug 2001	60	ltf	Hatch
221	M	10 Oct 2001	163	185	BOYLE QUEBEC	10 Oct 2001 20 Apr 2002	61 A25002		Hatch Transfer

222	M	12 Oct 2001	163	185	BOYLE QUEBEC	12 Oct 2001 20 Apr 2002 9 Apr 2003	63 A25003	Hatch Transfer Death
223	F	~ 1970	WILD	WILD	S. AMERICA CHASE B COLUMBIA	~ 1974 ~ 1974 10 May 1974 9 Feb 1989	NONE SJO281	Capture Transfer Transfer Death
225	F	28 Apr 2002	176	191	NZP-WASH JACKSONVL	28 Apr 2002 12 Nov 2002	214880 602376	Hatch Transfer
226	F	28 Apr 2002	176	191	NZP-WASH METROZOO LOSANGELE	28 Apr 2002 14 Nov 2002 14 Jun 2005	214881 B20257 991064	Hatch Transfer Transfer
227	M	~ Jun 1999	228	UNK	WALSRODE QUEBEC GRANBY	~ Jun 1999 11 Apr 2002 26 Oct 2006	A25001 B99045	Hatch Transfer Transfer
228	M	~ Jun 1996	123	125	WALSRODE	~ Jun 1996 ~15 May 2000	C7626	Hatch Death
229	?	25 May 1988	95	88	KNOXVILLE	25 May 1988 6 Jun 1988	227	Hatch Death
230	F	8 May 1990	95	88	KNOXVILLE	8 May 1990 28 Aug 1990	228	Hatch Death
231	?	~ 1971	WILD	WILD	S. AMERICA LOSANGELE	~ Jan 1972 22 May 1972 23 May 1973	NONE 06763	Capture Transfer Death
232	M	~ 1987	UNK	UNK	LAVAL QUEBEC	~ 1988 12 Feb 1988 3 Jul 1992	895006	Transfer Transfer Death
233	F	~ 1987	UNK	UNK	LAVAL QUEBEC	~ 1988 12 Feb 1988 ~ 1990		Transfer Transfer Death
234	M	15 May 2002	216	MULT	ALEXANDRI	15 May 2002 26 Jun 2002	AV0072	Hatch Death
235	?	2 Apr 2002	163	185	BOYLE	2 Apr 2002 14 Apr 2002	65	Hatch Death
236	?	2 Apr 2002	163	185	BOYLE	2 Apr 2002	66	Hatch

						3 May 2002		Death
237	?	7 May 2002	163	185	BOYLE	7 May 2002 2 Jun 2002	67	Hatch Death
238	?	8 May 2002	163	185	BOYLE	8 May 2002 10 May 2002	68	Hatch Death
239	M	13 May 2003	176	191	NZP-WASH AUDUBON	13 May 2003 6 Nov 2003	215078 101104	Hatch Transfer
240	F	19 Aug 2003	186	226	METROZOO DREHER PA	19 Aug 2003 11 Feb 2004	B30232 24011	Hatch Transfer
241	?	19 Aug 2003	186	226	METROZOO	19 Aug 2003 22 Aug 2003	B30233	Hatch Death
242	F	16 Oct 2003	192	88	SEDGWICK WILD WRLD	16 Oct 2003 8 Apr 2004	10649 7425	Hatch Transfer
243	?	16 Apr 2003	86	81	DALLAS	16 Apr 2003 22 Apr 2004	04F035	Hatch Death
244	?	16 Apr 2004	86	81	DALLAS	16 Apr 2004 22 Apr 2004	04F036	Hatch Death
246	M	6 May 2004	174	120	COLUMBIA FRESNO	6 May 2004 6 Oct 2004 26 Oct 2005	7984 240097	Hatch Transfer Death
248	F	11 May 2004	176	191	NZP-WASH TACOMA	11 May 2004 1 Dec 2004 ~20 Feb 2005	215273 T04A16	Hatch Transfer Death
249	M	13 Jul 2004	174	120	COLUMBIA LUFKIN	13 Jul 2004 29 Mar 2005	8075 _____	Hatch Transfer
250	?	23 Aug 2004	186	226	METROZOO SCOT NECK	23 Aug 2004 ~ Mar 2005	B40286 _____	Hatch Transfer
251	?	25 Aug 2004	186	226	METROZOO	25 Aug 2004 26 Aug 2004	B40289	Hatch Death
252	M	16 May 2005	86	81	DALLAS	16 May 2005 12 Sep 2005	05F693	Hatch Death

253	M	16 May 2005	86	81	DALLAS	16 May 2005 29 Aug 2005	05F694	Hatch Death
254	?	17 May 2005	86	81	DALLAS	17 May 2005 20 May 2005	05F695	Hatch Death
255	F	22 Jul 2005	246	178	FRESNO TACOMA	22 Jul 2005 22 Jul 2005	250068 T05A02	Hatch Transfer
256	?	16 Aug 2005	95	164	KNOXVILLE	16 Aug 2005	3147	Hatch
257	?	18 Aug 2005	95	164	KNOXVILLE	18 Aug 2005	3148	Hatch
258	M	22 Sep 2005	64	242	WILD WRLD	22 Sep 2005	7683	Hatch
259	M	27 Apr 2005	64	242	WILD WRLD	27 Apr 2005 27 Jan 2006	7640	Hatch Death
260	F	8 Aug 2005	64	242	WILD WRLD	8 Aug 2005	7681	Hatch
261	M	20 Sep 2005	64	242	WILD WRLD	20 Sep 2005	7682	Hatch
262	F	6 May 2006	86	81	DALLAS	6 May 2006	06G569	Hatch
263	?	7 May 2006	86	81	DALLAS	7 May 2006 8 May 2006	06G570	Hatch Death
264	?	17 Jul 2006	174	120	COLUMBIA	17 Jul 2006	9348	Hatch
265	?	28 May 2006	92	182	LOWRY OMAHA	28 May 2006 16 Nov 2006	205488 16778	Hatch Transfer

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TOTALS: 83.82.95 (260)



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