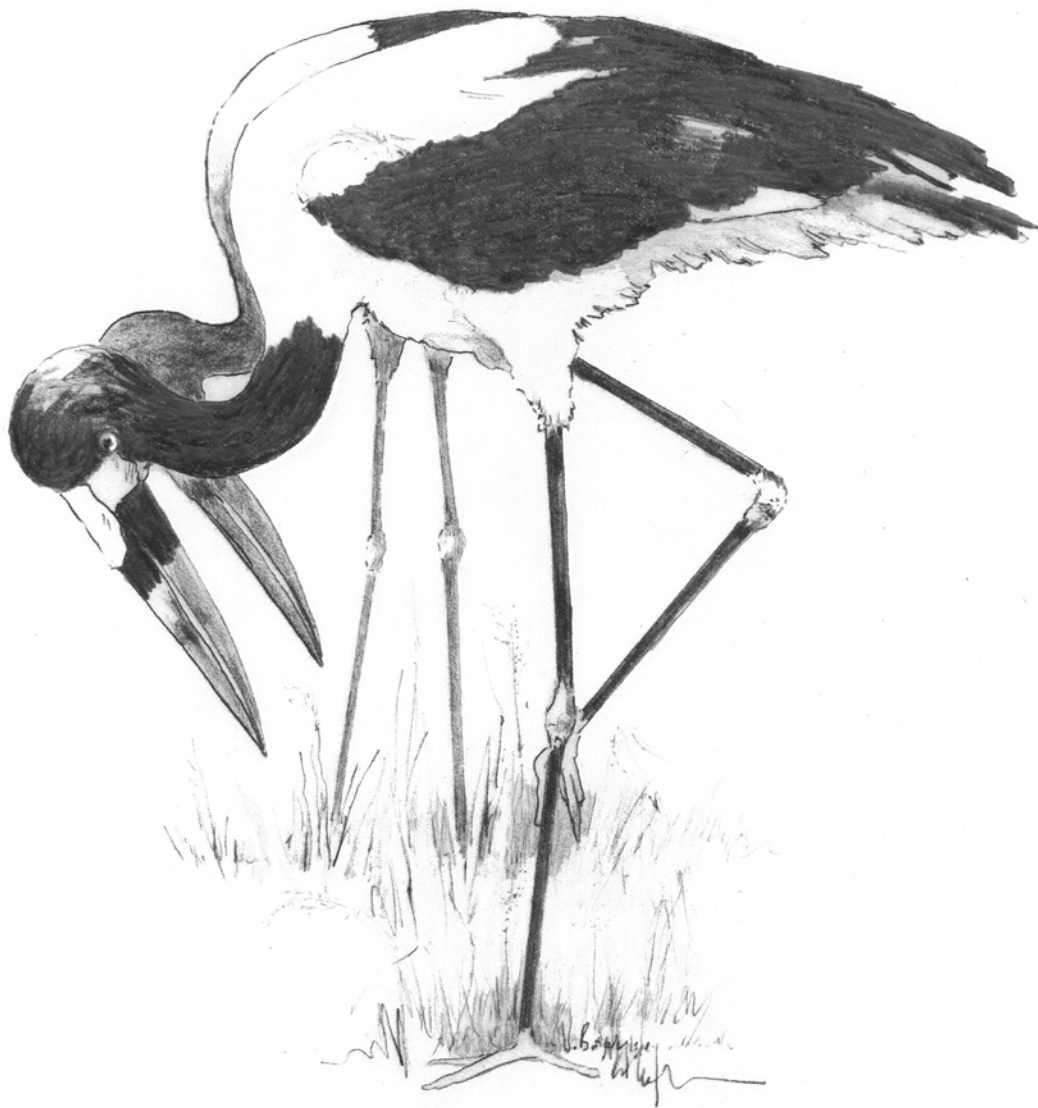


# North american regional Studbook for the Saddle-billed stork



**(*Ephippiorhynchus senegalensis*)**

**Jocelyn Womack  
Dallas Zoo – 2003**

**2003**

**NORTH AMERICAN REGIONAL STUDBOOK**  
for the  
**SADDLE-BILLED STORK**  
*(Ephippiorhynchus senegalensis)*

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*Published jointly by:*

*The Dallas Zoo and  
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Illustrations by Valerie Beardsley  
Dallas Zoo

INTRODUCTION

The formation of the North American Regional Studbook for Saddle-billed storks, *Ephippiorhynchus senegalensis*, was approved by the WCMC (Wildlife Conservation and Management Committee) and the American Zoological Association's Ciconiiformes Taxon Advisory Group in January 2001.

This Living studbook documents all saddle-billed storks confirmed alive in captivity in the North American region as reported by individual institutions at the time of publication. The North American region includes the United States, Canada, Mexico, and the Caribbean, but saddle-billed storks have historically only been held in the United States and Canada. There are currently 78 living individuals recorded in the studbook.

Saddle-billed storks are usually captured as juveniles, but occasionally some adult birds are captured. For this reason, except in the case of birds that are listed as "juvenile" at the time of arrival at an institution, unless an institution estimates the age of the specimen, the hatch date is listed as unknown.

Saddle-billed storks obtain their full adult plumage around three years of age. For birds that were listed as "juvenile" or "immature" at the time of arrival at a specific institution, average age is assumed to be 18 months unless a facility provided information otherwise. Thus, the hatch date for these juvenile birds will be listed as 18 months prior to transfer to the institution.

Saddle-billed storks are not known to have reproduced in captivity worldwide until 1994. Thus, any birds with unknown birth locations and unknown parentage that arrived at institutions prior to 1994 are assumed to be wild-caught.

All specimens considered to be wild-caught with unknown capture locations are assumed to have been caught in the African region, as this species is exclusively African.

Common names around the world of the saddle-billed stork include Senegal jabiru, zadelbekooievaar, Afrikan sattlestorch, Saddle-stork, African Jabiru, and saddelnaebs stork.

## **THE NATURAL HISTORY OF THE SADDLE-BILLED STORK**

## Identification

The saddle-billed stork is one of the tallest stork species, reaching a height of up to 1.3 meters. The head, neck and wings are black, with all other plumage white. At the center of the breast is a small, oval shaped patch of bare, red skin that is usually exposed but can be obscured by feathers. This patch of skin may be darker or more distinct during the breeding season. Their most striking feature is the bill, which is crimson with a dark band around the center and a striking yellow fleshy area at the base of the upper bill, the “saddle.” One or both members of a pair often have small yellow or red wattles that hang down 15-33mm below the base of the lower bill and form the “stirrups” for the saddle. Legs are black with red hock joints and feet. Males are larger, around 6 kg., with dark eyes while the females are slightly smaller, around 5 kg., with yellow eyes. Like all stork species, they lack a syrinx, and are silent except for bill clattering which they do frequently during copulations, or as warnings to intruders.

Newly hatched young are gray with dark eyes and short dark beaks, and although lacking adult coloration, the “saddle” on the bill is evident and usually surrounded by downy feathers. Juvenile birds are generally gray with dark wing feathers and legs, and have been confused with the young of other species of storks such as the yellow-billed stork. (Hancock, Kushlan, and Kahl 1992, p 116.)

Saddle-billed storks are one of 17 species of storks, of the Family Ciconiidae, of the Order Ciconiiformes which is made up of mostly long-necked, long-legged wading birds. They are closely related to the black-necked stork, *Ephippiorhynchus asiaticus*, which shares the same Genus.

## Distribution and Movements

Saddle-billed storks occur throughout tropical Africa, from Senegal to Sudan and Ethiopia, south to northern South Africa. Frequenting large-scale water areas.

They appear to be sedentary, with no evidence of regular long-distance migration. They can be somewhat nomadic especially in response to drought or flood conditions.

## Diet

Saddle-billed storks are opportunistic and carnivorous, feeding in wet areas, such as rivers, streams, marshes, and lakes. They consume fish, amphibians, crabs, shrimps, snails, reptiles, small rodents or other small vertebrates, and insects. There are some reports of saddle-billed storks eating carrion. (Hancock, Kushlan, and Kahl 1992, p117) They can consume fish as large as 1300g. Foraging is diurnal.

## Mating and Social Structure

Saddle-billed storks are highly territorial and are usually found solitarily, in pairs, or in small family groups consisting of parents and recently fledged offspring. It is believed that they are generally monogamous,

with some pair bonds lasting for years.

Their breeding display consists of running short distances, jumping, and pirouetting with wings spread. This is called the Flap-Dash display and may be performed by either the male or female or both together. Breeding displays may gradually diminish the longer a pair is together.

Saddle-billed storks build large stick nests, usually at the top of a tall tree, near water. The male does the majority of the nest building, with the female seemingly supervising building activities, throwing out what she doesn't like. Clutch size is 1-5, normally 2-3, pale blue to white eggs, with a 32 day incubation period. The Toledo Zoo and Audubon Species Survival Center have both reported incubation periods as long as 38 days. Both parents incubate the eggs and protect the nest area. Young are altricial, and parents feed the young by regurgitating food items onto the floor of the nest, which the nestlings pick up and swallow. Water is brought to the nest and regurgitated over the chicks for cooling. The chicks often drink this water as it flows out of the parents' mouths. Generally two offspring, more rarely three, will fledge the nest at 58 to 100 days old.

Offspring maintain their juvenile plumage and eye color until about 3 years of age when they achieve adult plumage and sexual maturity.

### Status and conservation

Saddle-billed storks are widespread, but uncommon and are not considered globally threatened. They may be susceptible to important changes in wetland areas and could easily become threatened. (Elliot, 1992)

They are listed on CITES Appendix III.

South Africa lists saddle-billed storks as an endangered species, as there are currently less than 50 pairs in that country.

## **HISTORY OF THE CAPTIVE POPULATION**

Saddle-billed storks have been held in captivity in the North American region since 1928

when two birds, a male and an individual of unknown sex were brought to the Philadelphia Zoo. Importations from that point were sporadic until the 1960's with the largest importations of birds occurring in the late 1980's and early 1990's.

Successful reproduction of this species world wide did not occur until 1994 when the Dallas Zoo hatched its first chick, a male. The Dallas Zoo continued to be the only zoo to reproduce this species until 1999 when the Audubon Species Survival Center hatched its first chick. The Toledo Zoo hatched its first chicks in 2000. The San Diego Wild Animal Park hatched its first chicks in November of 2001 and was the first to fledge a clutch of three chicks in 2002. The Kansas City Zoo achieved its first breeding of this species early in 2003. Dallas, Audubon SSC, Toledo and San Diego Wild Animal Park continue to reproduce yearly.

It is notable that chicks have only been produced by pairs with non-pinioned, fully-flighted males.

No second generation breeding of this species has occurred.

Captive reproduction has not been sufficient to sustain the captive population and importations of this species have occurred into 2001.

## **INSTITUTIONS CURRENTLY HOLDING SADDLE-BILLED STORKS**

### **Sparks Abbreviation**

### **Name and Location of Institution**

ASHEBORO

North Carolina Zoological Park  
Asheboro, North Carolina

AUDUB SSC

Freeport-McMoran Audubon Species

	Survival Center New Orleans, Louisiana
BALTIMORE	Baltimore Zoo Baltimore, Maryland
BATONROUG	BREC's Baton Rouge Zoo Baker, Louisiana
BATTLE CR	Binder Park Zoo Battle Creek, Michigan
BROWNSVIL	Gladys Porter Zoo Brownsville, Texas
BUSCH TAM	Busch Gardens Tampa, Florida
CARVALHO	Carvalho's Friends of a Feather Danville, California
CINCINNAT	Cincinnati Zoo and Botanical Garden Cincinnati, Ohio
CLEVELAND	Cleveland Metroparks Zoo Cleveland, Ohio
COLUMBIA	Riverbanks Zoo and Garden Columbia, South Carolina
DALLAS	Dallas Zoo Dallas, Texas
DETROIT	Detroit Zoological Institute Royal Oak, Michigan
DISNEY AK	Disney's Animal Kingdom Bay Lake, Florida

**Sparks Abbreviation**

**Name and Location of Institution**

FRANKLINP	Zoo New England Boston, Massachusetts
JACKSONVL	Jacksonville Zoological Gardens Jacksonville, Florida

KANSASCTY	Kansas City Zoological Gardens Kansas City, Missouri
METROZOO	Miami Metrozoo Miami, Florida
NASHV ZOO	Nashville Zoo at Grassmere Nashville, Tennessee
OKLAHOMA	Oklahoma City Zoological Park Oklahoma City, Oklahoma
OMAHA	Omaha's Henry Doorly Zoo Omaha, Nebraska
ORLANDO	Sea World Orlando Orlando, Florida
PHILADELP	Philadelphia Zoological Gardens Philadelphia, Pennsylvania
PORTLAND	Oregon Zoo Portland, Oregon
QUEBEC	Jardin Zoologique du Quebec Charlesbourg, Quebec, Canada
SANDIEGOZ	San Diego Zoo San Diego, California
SD-WAP	San Diego Wild Animal Park Escondido, California
SEDGWICK	Sedgwick County Zoo Wichita, Kansas
<b><u>Sparks Abbreviation</u></b>	<b><u>Name and Location of Institution</u></b>
ST LOUIS	St. Louis Zoological Park St. Louis, Missouri
STCATHERN	St. Catherine's Island Midway, Georgia
TOLEDO	Toledo Zoological Gardens



Toledo, Ohio

The saddle-billed stork studbook uses the Single Population Animal Record Keeping System (SPARKS) program, version 1.52

**COLUMN NAME**

**DESCRIPTION**

Stud #	Studbook number assigned to an Individual
Sex	M=Male F=Female U=Unknown
Hatch date	Date of hatch, estimated or actual
Sire	Sire studbook number
Dam	Dam studbook number
Location	Specimen location (if wild caught, location where bird was reported caught)
Date	Date (day/month/year) of arrival at institution
Local ID	Institution's accession or ID number
Event	Event type- capture, hatch, transfer, death

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
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ASHEBORO	-	North Carolina Zoological Park,	Asheboro,	North Carolina,	USA			
42	F	~ 1982	WILD	WILD	TANZANIA	????	NONE	Capture

					FOUTS J	????		Transfer
					ASHEBORO	28 Dec 1985	21024	Transfer
54	M	~ 1984	WILD	WILD	TANZANIA	????	NONE	Capture
					FOUTS J	????		Transfer
					ASHEBORO	28 Dec 1985	21025	Transfer

Totals: 1.1.0 (2)

AUDUB SSC - Freeport-McMoran Audubon Ssc, New Orleans, Louisiana, USA

98	M	~ 1988	WILD	WILD	AFRICAN	????	NONE	Capture
					FOUTS J	????		Transfer
					DALLAS	30 Nov 1989	896660	Transfer
					AUDUBON	23 Jan 1992	1617	Transfer
					AUDUB SSC	7 Dec 1993	B94001	Transfer
99	F	~ 1988	WILD	WILD	AFRICAN	????	NONE	Capture
					FOUTS J	????		Transfer
					DALLAS	3 Nov 1989	896659	Transfer
					AUDUBON	23 Jan 1992	1618	Transfer
					AUDUB SSC	7 Dec 1993	B94002	Transfer
180	F	21 Oct 2001	98	99	AUDUB SSC	21 Oct 2001	181	Hatch
195	M	19 Nov 2002	98	99	AUDUB SSC	19 Nov 2002	202	Hatch
199	?	17 Apr 2003	98	99	AUDUB SSC	17 Apr 2003	210	Hatch
200	?	21 Apr 2003	98	99	AUDUB SSC	21 Apr 2003	211	Hatch

Totals: 2.2.2 (6)

BALTIMORE - Baltimore Zoo, Baltimore, Maryland, USA

109	F	~ 1988	WILD	WILD	TANZANIA	????	NONE	Capture
					SOEST	????		Transfer
					BALTIMORE	10 Jan 1990	900503	Transfer
110	M	~ 1988	WILD	WILD	TANZANIA	????	NONE	Capture
					SOEST	????		Transfer
					BALTIMORE	10 Jan 1990	900504	Transfer

Totals: 1.1.0 (2)

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Restricted to: (Ephippiorhynchus senegalensis)  
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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
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BATONROUG	-	Brec's Baton Rouge Zoo, Baker, Louisiana, USA						
28	M	~ 1970	WILD	WILD	AFRICAN	????	NONE	Capture

					FERNDALE	????		Transfer
					DENVER	3 Apr 1981	07164	Transfer
					AUDUBON	12 Aug 1989	1194	Transfer
					BATONROUG	27 Oct 1992	6997	Transfer
105	F	~ May 1988	WILD	WILD	ZAMBIA	????	NONE	Capture
					FOUTS J	????		Transfer
					BATONROUG	8 Dec 1988	6170	Transfer
Totals: 1.1.0 (2)								

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BATTLE CR - Binder Park Zoo, Battle Creek, Michigan, USA

169	F	28 Oct 2000	98	99	AUDUB SSC	28 Oct 2000	167	Hatch
					BATTLE CR	18 Apr 2001	01B01	Transfer
178	M	11 Jun 2001	90	107	TOLEDO	11 Jun 2001	1928	Hatch
					BATTLE CR	22 Apr 2002	B02012	Transfer
Totals: 1.1.0 (2)								

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BROWNSVIL - Gladys Porter Zoo, Brownsville, Texas, USA

27	F	~ 1970	WILD	WILD	AFRICAN	????	NONE	Capture
					CHASE	????		Transfer
					BROWNSVIL	17 Aug 1971	805	Transfer
29	M	~ 1971	WILD	WILD	AFRICAN	????	NONE	Capture
					FERNDALE	????		Transfer
					BROWNSVIL	25 May 1972	806	Transfer
Totals: 1.1.0 (2)								

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BUSCH TAM - Busch Gardens, Tampa, Florida, USA

132	F	????	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????		Transfer
					BUSCH TAM	4 Mar 1997	59555	Transfer
150	M	~ 1994	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????		Transfer
					BUSCH TAM	25 Apr 1997	59668	Transfer
Totals: 1.1.0 (2)								

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
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CARVALHO - Carvalho's Friends of A Feather, Danville, California, USA  
 118 M ???? WILD WILD AFRICAN ???? NONE Capture  
 UNKNOWN ???? Transfer  
 CARVALHO ???? Transfer

Totals: 1.0.0 (1)

CINCINNAT - Cincinnati Zoo & Botanical Garden, Cincinnati, Ohio, USA  
 62 M ~ 1985 WILD WILD KENYA ???? NONE Capture  
 CHISHOLM ???? Transfer  
 CINCINNAT 24 Nov 1986 B6123 Transfer  
 83 F ~ 1986 WILD WILD AFRICAN ???? NONE Capture  
 FOUTS J ???? Transfer  
 CINCINNAT 21 May 1987 B6125 Transfer

Totals: 1.1.0 (2)

CLEVELAND - Cleveland Metroparks Zoo, Cleveland, Ohio, USA  
 36 M ???? WILD WILD AFRICAN ???? NONE Capture  
 CHASE ???? Transfer  
 CLEVELAND 27 Jul 1977 770710 Transfer

Totals: 1.0.0 (1)

COLUMBIA - Riverbanks Zoo and Garden, Columbia, South Carolina, USA  
 179 F 19 Oct 2001 98 99 AUDUB SSC 19 Oct 2001 180 Hatch  
 COLUMBIA 9 Apr 2002 7153 Transfer

Totals: 0.1.0 (1)

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
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DALLAS - Dallas Zoo, Dallas, Texas, USA

44	M	~ 1983	WILD	WILD	AFRICAN FOUTS J DALLAS	???? ???? 1 Aug 1986	NONE <u>864778</u>	Capture Transfer Transfer
86	M	~ 1986	WILD	WILD	AFRICAN MILLER R DALLAS	???? ???? 18 Nov 1988	NONE <u>886439</u>	Capture Transfer Transfer
92	F	~ 1987	WILD	WILD	AFRICAN FOUTS J DALLAS	???? ???? 14 Oct 1989	NONE <u>896641</u>	Capture Transfer Transfer
106	F	~ 1988	WILD	WILD	AFRICAN FOUTS J DALLAS	???? ???? 30 Nov 1989	NONE <u>896661</u>	Capture Transfer Transfer
184	M	2 Mar 2002	86	92	DALLAS	2 Mar 2002	02E262	Hatch
185	M	4 Mar 2002	86	92	DALLAS	4 Mar 2002	02E263	Hatch
198	F	6 Apr 2003	86	92	DALLAS	6 Apr 2003	03E667	Hatch
Totals: 4.3.0 (7)								

DETROIT - Detroit Zoological Institute, Royal Oak, Michigan, USA

71	F	~ 1985	WILD	WILD	AFRICAN ZEEHANDLR DETROIT	???? ???? 15 Nov 1988	NONE <u>2689</u>	Capture Transfer Transfer
72	F	~ 1985	WILD	WILD	AFRICAN ZEEHANDLR DETROIT	???? ???? 15 Nov 1988	NONE <u>2688</u>	Capture Transfer Transfer
Totals: 0.2.0 (2)								

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DISNEY AK - Disney's Animal Kingdom, Bay Lake, Florida, USA

127	M	~ 1992	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	~ 1994		Transfer
					DISNEY AK	4 Mar 1998	980495	Transfer
128	F	~ 1992	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	~ 1994		Transfer
					DISNEY AK	4 Mar 1998	980496	Transfer
141	F	~ Sep 1993	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????		Transfer
					DISNEY AK	25 Mar 1998	980740	Transfer
175	M	1 Mar 2001	86	92	DALLAS	1 Mar 2001	01D708	Hatch
					DISNEY AK	14 Dec 2001	010553	Transfer

Totals: 2.2.0 (4)

FRANKLINP - Zoo New England (franklin Pk), Boston, Massachusetts, USA

66	F	~ Jun 1985	WILD	WILD	ZAMBIA	????	NONE	Capture
					FOUTS J	????		Transfer
					FRANKLINP	1 Dec 1989	89A037	Transfer
74	M	~ 1986	WILD	WILD	ZAMBIA	????	NONE	Capture
					FOUTS J	????		Transfer
					FRANKLINP	1 Dec 1989	89A036	Transfer

Totals: 1.1.0 (2)

JACKSONVL - Jacksonville Zoological Gardens, Jacksonville, Florida, USA

116	F	~ 1990	WILD	WILD	TANZANIA	????	NONE	Capture
					MILLER R	????		Transfer
					CINCINNAT	17 Oct 1994	294318	Transfer
					JACKSONVL	29 Mar 1996	696008	Transfer
125	M	~ 1992	WILD	WILD	TANZANIA	~ Dec 1993	NONE	Capture
					MILLER R	????		Transfer
					COLUMBUS	10 May 1995	951024	Transfer
					JACKSONVL	2 Apr 1998	698022	Transfer

Totals: 1.1.0 (2)

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
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KANSASCTY - The Kansas City Zoo, Kansas City, Missouri, USA

135	M	????	WILD	WILD	AFRICAN MILLER R KANSASCTY	???? ???? 4 Aug 1994	NONE  203301	Capture Transfer Transfer
136	F	????	WILD	WILD	AFRICAN MILLER R KANSASCTY	???? ???? 4 Aug 1994	NONE  203302	Capture Transfer Transfer
137	F	????	WILD	WILD	AFRICAN MILLER R KANSASCTY	???? ???? 4 Aug 1994	NONE  203303	Capture Transfer Transfer
138	M	????	WILD	WILD	AFRICAN MILLER R KANSASCTY	???? ???? 23 Dec 1994	NONE  203364	Capture Transfer Transfer
197	M	30 Jan 2003	135	137	KANSASCTY	30 Jan 2003	_____	Hatch
Totals: 3.2.0 (5)								

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METROZOO - Miami Metrozoo, Miami, Florida, USA

43	F	~ 1983	WILD	WILD	TANZANIA NORTHLAND METROZOO BUSCH TAM STCATHERN METROZOO	???? ???? 10 May 1985 26 Aug 1992 4 Sep 1992 23 Jul 1993	NONE  A00990  925027 A00990	Capture Transfer Transfer Transfer Transfer Transfer
103	M	~ 1988	WILD	WILD	AFRICAN UNKNOWN ROTTERDAM NY BRONX STCATHERN METROZOO	???? ???? ???? 11 Aug 1989 9 Sep 1989 23 Jul 1993	NONE   892274 892274 A03706	Capture Transfer Transfer Transfer Transfer Transfer
Totals: 1.1.0 (2)								

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Report ordered by: current/last location (alphabetic)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
NASHV ZOO - Nashville Zoo At Grassmere, Nashville, Tennessee, USA								
177	F	10 Jun 2001	90	107	TOLEDO	10 Jun 2001	1926	Hatch
					NASHV ZOO	10 Sep 2002	1874	Transfer
183	M	31 Oct 2001	59	60	SD-WAP	31 Oct 2001	801410	Hatch
					NASHV ZOO	6 Sep 2002	1875	Transfer

Totals: 1.1.0 (2)

OKLAHOMA - Oklahoma City Zoological Park, Oklahoma City, Oklahoma, USA								
120	F	~ 1991	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????		Transfer
					OKLAHOMA	24 Aug 1994	656103	Transfer
176	M	2 Mar 2001	86	92	DALLAS	2 Mar 2001	01D709	Hatch
					OKLAHOMA	4 Dec 2001	770204	Transfer

Totals: 1.1.0 (2)

OMAHA - Omaha's Henry Doorly Zoo, Omaha, Nebraska, USA								
121	F	????	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????		Transfer
					OMAHA	11 May 1994	7772	Transfer
133	M	????	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????		Transfer
					OMAHA	11 May 1994	7770	Transfer

Totals: 1.1.0 (2)

ORLANDO - Sea World Orlando, Orlando, Florida, USA								
187	M	????	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????	UK	Transfer
					ORLANDO	17 Apr 1995	SBS250	Transfer
188	F	????	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????		Transfer
					ORLANDO	17 Apr 1995	SBS251	Transfer

Totals: 1.1.0 (2)

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
PHILADELP - Philadelphia Zoological Garden, Philadelphia, Pennsylvania, USA								
69	M	~ 1985	WILD	WILD	TANZANIA	????	NONE	Capture
					NORTHLAND	????		Transfer
					PHILADELP	7 Jul 1987	<u>203474</u>	Transfer
70	F	~ 1985	WILD	WILD	TANZANIA	????	NONE	Capture
					NORTHLAND	????		Transfer
					PHILADELP	7 Jul 1987	<u>203475</u>	Transfer

Totals: 1.1.0 (2)

PORTLAND - Oregon Zoo, Portland, Oregon, USA								
167	F	7 Jun 2000	90	107	TOLEDO	7 Jun 2000	1287	Hatch
					PORTLAND	21 Jun 2001	A10087	Transfer
168	M	8 Jun 2000	90	107	TOLEDO	8 Jun 2000	1288	Hatch
					PORTLAND	21 Jun 2001	A10086	Transfer

Totals: 1.1.0 (2)

QUEBEC - Jardin Zoologique Du Quebec, Charlesbourg, Quebec, Canada								
151	M	~ 1994	WILD	WILD	TANZANIA	????	NONE	Capture
					MILLER R	????		Transfer
					QUEBEC	18 May 2001	<u>A14703</u>	Transfer

Totals: 1.0.0 (1)

SANDIEGOZ - San Diego Zoological Garden, San Diego, California, USA								
55	M	~ 1985	WILD	WILD	AFRICAN	????	NONE	Capture
					FERNDALE	????		Transfer
					SANDIEGOZ	26 Mar 1987	<u>387207</u>	Transfer
56	F	~ 1985	WILD	WILD	AFRICAN	????	NONE	Capture
					FERNDALE	????		Transfer
					SANDIEGOZ	26 Mar 1987	<u>387208</u>	Transfer

Totals: 1.1.0 (2)

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
SD-WAP - San Diego Wild Animal Park, Escondido, California, USA								
48	M	~ 1984	WILD	WILD	AFRICAN	????	NONE	Capture
					FOUTS J	????		Transfer
					SANDIEGOZ	23 May 1986	034799	Transfer
					SD-WAP	26 Jun 1986	034799	Transfer
59	M	~ 1985	WILD	WILD	AFRICAN	????	NONE	Capture
					VOGELIMP	????		Transfer
					SD-WAP	18 Jan 1989	889002	Transfer
60	F	~ 1985	WILD	WILD	AFRICAN	????	NONE	Capture
					VOGELIMP	????		Transfer
					SD-WAP	18 Jan 1989	889003	Transfer
94	F	~ 1988	WILD	WILD	AFRICAN	????	NONE	Capture
					VOGELIMP	????		Transfer
					SD-WAP	18 Mar 1989	889026	Transfer
193	?	24 Oct 2002	59	60	SD-WAP	24 Oct 2002	802299	Hatch
194	?	30 Oct 2002	59	60	SD-WAP	30 Oct 2002	802300	Hatch
Totals: 2.2.2 (6)								

SEDGWICK - Sedgwick County Zoo, Wichita, Kansas, USA								
160	F	~ 1999	WILD	WILD	TANZANIA	????	NONE	Capture
					VOGELIMP	????		Transfer
					SD-WAP	14 Jul 2000	800235	Transfer
					SEDGWICK	2 May 2002	10098	Transfer
182	M	31 Oct 2001	59	60	SD-WAP	31 Oct 2001	801409	Hatch
					SEDGWICK	2 May 2002	10097	Transfer
Totals: 1.1.0 (2)								

ST LOUIS - Saint Louis Zoological Park, St Louis, Missouri, USA								
126	F	~ 1992	WILD	WILD	ARUSHA	????	NONE	Capture
					MILLER R	????		Transfer
					ST LOUIS	2 Sep 1998	980903	Transfer
157	M	1 Dec 1995	86	92	DALLAS	1 Dec 1995	959822	Hatch
					ST LOUIS	2 Oct 1996	961000	Transfer
Totals: 1.1.0 (2)								

Compiled by: Jocelyn Womack thru Dallas Zoo

Data current thru: 22 Jun 2003 North American Regional

Printed on 22 Jun 2003 using Sparks v1.52

Restricted to: (Ephippiorhynchus senegalensis)

Status: Living on 22 Jun 2003

Report ordered by: current/last location (alphabetic)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
STCATHERN - St Catherines Island / Wsc, Midway, Georgia, USA								
63	F	????	WILD	WILD	TANZANIA	????	NONE	Capture
					FERNDALE	????		Transfer
					NY BRONX	25 Mar 1987	872040	Transfer
					STCATHERN	27 Apr 1987	872040	Transfer
64	F	????	WILD	WILD	TANZANIA	????	NONE	Capture
					FERNDALE	????		Transfer
					NY BRONX	25 Mar 1987	872041	Transfer
					STCATHERN	27 Apr 1987	872041	Transfer
139	M	~ Mar 1993	WILD	WILD	AFRICAN	????	NONE	Capture
					MILLER R	????		Transfer
					STCATHERN	24 Aug 1994	945027	Transfer

Totals: 1.2.0 (3)

TOLEDO - Toledo Zoological Gardens, Toledo, Ohio, USA								
90	M	~ Jul 1987	WILD	WILD	TANZANIA	????	NONE	Capture
					FOUTS J	????		Transfer
					TOLEDO	20 Jan 1988	881515	Transfer
107	F	~ 1988	WILD	WILD	AFRICAN	????	NONE	Capture
					FOUTS J	????		Transfer
					DALLAS	30 Nov 1989	896662	Transfer
					TOLEDO	5 Jun 1990	901532	Transfer
191	F	27 Jul 2002	90	107	TOLEDO	27 Jul 2002	2498	Hatch

Totals: 1.2.0 (3)

TOTALS: 37.37.4 (78)

31 Institutions

Compiled by: Jocelyn Womack thru Dallas Zoo

Data current thru: 22 Jun 2003 North American Regional

Printed on 22 Jun 2003 using Sparks v1.52

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