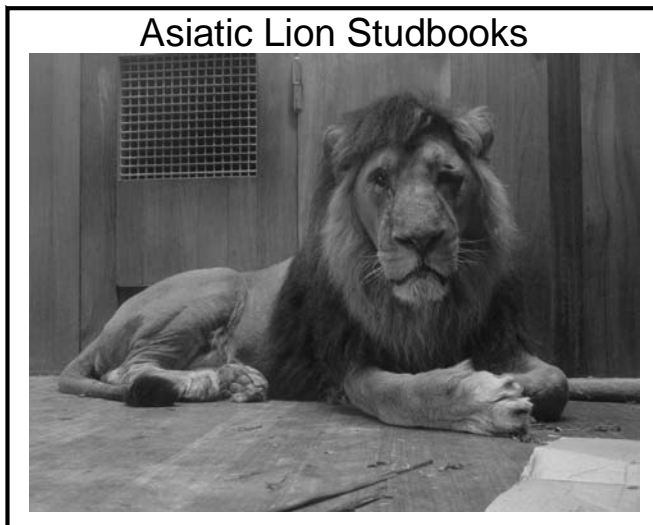


# Asiatic Lion Studbooks: a short history

Robert Zingg\*



LOD2 18 Apr 1996 6018 Loan to PARENT LOD1 0.0000											
Totals: 1.1.0 (2)											
Zoo Santillana, 39330 Cantabria, Spain											
5074	F	20 Oct 1998	1245	1195	CHESTER SANTILLAN	20 Oct 1998 19 Jul 2000	26084 1441	Birth Transfer	Parent	MAGALA	0.0000
5076	M	27 Oct 1998	5011	5023	LODE SANTILLAN	27 Oct 1998 17 Nov 2000	7146 1511	Birth Transfer	Parent	LODD	0.0313
Totals: 1.1.0 (2)											
Zoo Z'rich, CH-8044 Z'rich, Switzerland											
1181	F	6 Dec 1988	296	297	JUNAGADH ZURICH	6 Dec 1988 1 Aug 1991	01209 910052	Birth Transfer	Parent	WENA	0.2500
1187	M	3 Apr 1989	293	290	JUNAGADH ZURICH	3 Apr 1989 1 Aug 1991	01216 910053	Birth Transfer	Parent	BRAGIRATH	0.0000
Totals: 1.1.0 (2)											
Tp Berlin-Friedrichsfelde GmbH, D-10307 Berlin, Germany											
5002	M	5 May 1993	1187	1181	ZURICH BERLIN TP	5 May 1993 10 Apr 1995	910087 M00243	Birth Loan to	Parent	CHAMRAL	0.0625
5006	F	6 May 1993	1253	1196	LONDON RP TWICKROSS BERLIN TP	6 May 1993 12 Apr 1995 27 Nov 1995	A1734 930 M00244	Birth Loan to Loan to	Hand	LAVINIA	0.0000
5020	F	12 Nov 1998	1240	1240	BRITANNIA 12 Nov 1998	7717		Birth	Parent	INDI	0.0313

Page from the European Studbook

Dr. Robert Zingg presented a short review of the Asiatic Lion Studbook since the initiation of the International Studbook.

## Asiatic Lion Studbook Statistics

- 1977** Initiation of a International Studbook
- 1983** Initiation of a SSP (Species Survival Plan)
- 1985** First Intern. Studbook published shortly after it was realised, that 246 of 333 animals of the studbook were hybrids
- 1990-92** Importation of new animals from India:
  - 2.2 London RP
  - 1.1 Zürich (1990)
  - 1.2 Helsinki (3 of the males wc)
- 1993** Second Intern. Studbook published
- 1994** Initiation of an EEP (breeding programme) Europe
- 1999** 1. European Studbook published
- 2000** 2. European Studbook published
- 2005** Studbook produced

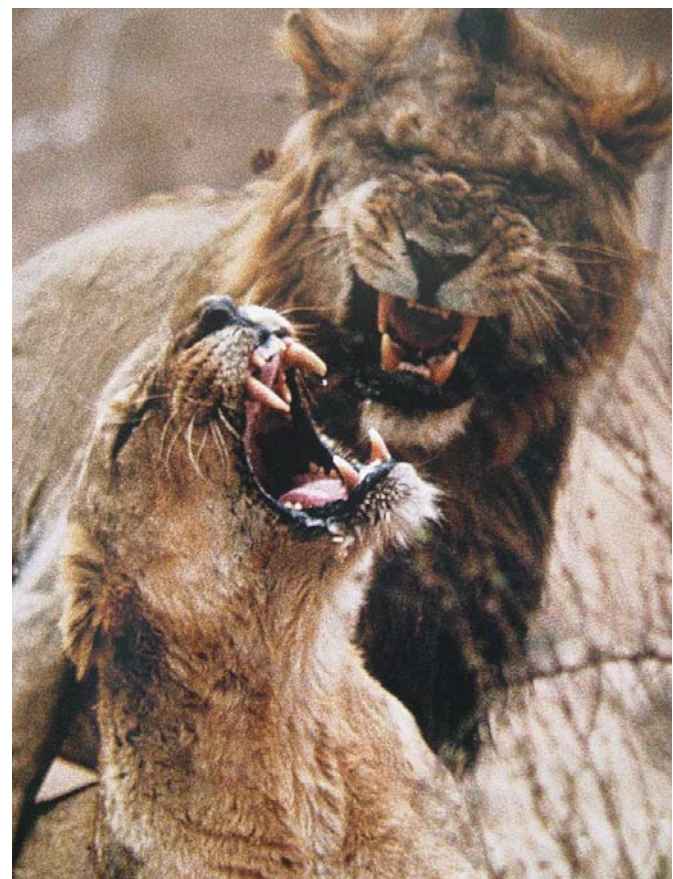
## Europe - recent history

- 1994:** 13.13 (26) animals in 4 institutions
- 1999:** 27.30 (57) animals in 21 institutions
- 2000:** 25.28.1 (54) animals in 22 institutions
- 2005:** 37.43 (80) animals in 33 institutions

The European population is the only managed captive population of Asian lion outside of India

## Problems

- High neonate death rate:
    - 2000-2005: 43.52.32 (127) cubs born, of which 84 DNS (66.1%)
  - Founder (n=12) representation 87% (potential: 92%)
  - mean inbreeding coefficient high:
- Urgent need of new founders



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