

L. Plummer
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I N T E R N A T I O N A L S T U D B O O K
FOR THE
G R E A T I N D I A N R H I N O C E R O S
RHINOCEROS UNICORNIS

Third Edition, 1982

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(Director Dr. Dieter Rüedi)

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Graphs by Madeleine Leutenegger

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Our thanks also go to Walter Schmid for the loan of the drawing of 'Tanaya'.

Finally we should like to thank the holders of Indian rhinos for their cooperation. To them the studbook owes its value as a guide to the preservation of this species in captivity.

Key

Kaziranga = animals born in Kaziranga Reservation

Assam = animals born in Assam, including the Kaziranga
Reservation

Nepal = animals born in Nepal

India = animals born on the Indian subcontinent, including
Nepal

The studbook number, with the exception of some belated entries, indicates the sequence of arrival in captivity whilst the studbook name shows the name of the place where any animal was born. The letter or number following the name of the place in the studbook name indicates the sequence of capture or birth at that place.

For example: 8 Assam 3 = the 8th animal to be taken into
captivity and the 3rd to be
caught in Assam

29 Gauhati 2 = the 29th animal to be taken into
captivity and the 2nd to be born
in Gauhati

? = data uncertain or unknown
m = male
f = female
sb = stillborn

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Names and abbreviations used in the text

Amst	Amsterdam NL	Phil	Philadelphia USA
Antw	Antwerp B	Rang	Rangoon, Burma
Assa	Assam	Rom	Rome I
Base	Basel CH	StLou	St Louis USA
Ber-E	Berlin, East	SD	San Diego USA
Ber-W	Berlin, West	SDWAP	San Diego Wild Animal Park
Bom	Bombay India	Stutt	Stuttgart BRD
Brook	Brookfield Zoo, Chicago USA	Tok	Tokyo, Japan
Brow	Brownsville USA	Toro	Toronto, Canada
Calc	Calcutta India	Triv	Trivandrum, India
Colo	Cologne BRD	Wash	Washington USA
Delh	Delhi India	Whip	Whipsnade GB
DvKr	Dvur Kralove CSSR		
Gauh	Gauhati India		
Gels	Gelsenkirchen BRD		
Hamb	Hamburg BRD		
Hou	Houston USA		
Hyde	Hyderabad India		
Indi	India		
Kaz	Kaziranga Reserve		
Losan	Los Angeles USA		
Luck	Lucknow India		
Madr	Madras India		
Miam	Miami USA		
Milw	Milwaukee USA		
Myso	Mysore India		
Nago	Nagoya Japan		
Nepa	Nepal		
Neyo	New York, Bronx Zoo		
Okla	Oklahoma USA		
Omah	Omaha USA		
Pari	Paris F		
Peki	Peking China		

no	Sex	Studbook Name	House Name	Date of Birth	Date of Death	Father	Mother	Location	Since	Remarks
1	m	Assa 1	Kasi	1941	30.4.79	?	?	Myso	29.4.65	ca 38 years old
2	f	Kaz 1	Kamala-Rani	?	6.5.68	?	?	Brook	24.6.48	
3	m	Kaz 2	Kashi-Ram	?	13.11.70	?	?	Brook	24.6.48	
4	f	Kaz 3		16.5.48	16.5.48	?	² Kaz 1			sb during shipment to Brookfield
5	m	Kaz 4	Gadadhar	1948	25.11.64	?	?	Base	30.5.51	accident: interstitial fibrosis of lungs with alveolar emphysema, severe enteritis due to infestation with Anoplocephala gigantea
6	m	Assa 2	Tomy	1944		?	?	Rom	5.9.51	
7	f	Kaz 5	Joymothi	1947		?	?	Base	8.7.52	
8	f	Assa 3	Mohini	ca 1950		?	?	Whip Amst	16.7.52 26.4.76	on breeding loan
9	f	Assa 4	Kanaklota	?	12.5.77	?	?	Phil SDWAP	17.6.53 7.12.76	on breeding loan uterine leiomyoma
0	m	Assa 5	Kanakbala	?		?	?	Phil	14.9.55	

11	f	Assa 6	Ranni	1948		?	?	Myso	1956	
12	m	Kaz 6	Mani	?		?	?	Triv	25.5.56	
13	m	Indi A	Mohan	ca 1943	7.3.61	?	?	Whip	7.8.47	
14	m	Base 1	Rudra	14.9.56		5 Kaz 4	7 Kaz 5	Milw	20.7.59	
15	f	Whip 1	Mohinija	29.10.57	24.6.75	13 Indi A	8 Assa 8	Milw	20.7.59	impaction
16	f	Kaz 7	Nepali II	1956	22.1.71	?	?	Hamb Base Hamb Base Hamb Losan	11.8.57 21.9.62 28.5.63 3.11.65 13.4.66 25.5.68	on breeding loan " "
17	f	Base 2	Moola	17.8.58	4.1.73	5 Kaz 4	7 Kaz 5	Base		extensive fibrosis of the lungs with dilation of the heart
18	m	Kaz 8	Arjun	1958		?	?	Ber-W Base	22.9.59 8.7.65	
19	m	Indi B	Tarun	1.59		?	?	Wash Neyo	26.5.60 1.4.81	on breeding loan
20	m	Whip 2	Manik	18.8.60	25.4.75	13 Indi A	8 Assa 3	Whip		liver and kidney failure

No	Sex	Studbook Name	House Name	Date of Birth	Date of Death	Father	Mother	Location	Since	Remarks
21	f	Indi C	Lauie/ Rani	?		?	?	Tok	1961	
22	m	Indi D	Tamao/ Lupsin/ King of Tama	?		?	?	Tok	1961	
23	f	Indi E	Sneha	12.3.61		?	21 Indi C?	Calc		born on transit
24	m	Indi F	Shiraji	?		?	?	Gauh	24.9.60	
25	f	Indi G	Padmini	?		?	?	Gauh	25.9.65	
26	m	Base 3	Lasai	31.8.62		5 Kaz 4	7 Kaz 5	SD SDWAP	12.10.63 26.4.72	
27	m	Base 4	Khunlai	9.3.63	26.2.76	5 Kaz 4	17 Base 2	Pari	29.9.64	
28	f	Gauh 1	Rajkumari	10.4.63	9.9.80	?	30 Indi H	Wash	16.12.63	gastric impaction with duodenal tor- sion
29	f	Gauh 2	Jaypuri	10.7.63		24 Indi F	82 Kaz 18	SD SDWAP	28.2.65 26.4.72	
30	f	Indi H	Deepali	1948	28.12.63	?	?	Gauh Wash	29.10.62 16.12.63	gastro-enteritis heavy tapeworm and hookworm infesta- tion

31	f	Base 5	Miris	12.6.64		5 Kaz 4	7 Kaz 5	Ber-W Base Ber-W Base Ber-W	6.7.65 8.8.70 28.4.71 10.6.74 6.5.75	on breeding loan " "
32	m	Hamb 1	Gauhati	11.8.64		5 Kaz 4	16 Kaz 7	Ber-W	6.8.65	
33	m	Kaz 9	Mehan/ Mohan	1962		?	?	Delh	1.12.65	
34	f	Base 6	Nanda	25.8.65		5 Kaz 4	17 Base 2	Stutt Base Stutt Base Stutt	29.5.68 3.6.69 9.6.70 19.7.73 24.10.73	on breeding loan " "
35	m	Assa 7	Herman	?		?	?	Losan	8.3.66	
36	?	Tok 1		20.6.66	20.6.66	22 Indi D	21 Indi C	Tok		sb
37	f	Nepa 1	Kanchi	ca 5.1966	9.1.67	?	?	Ber-E	6.8.66	enteritis
38	f	Hamb 2	Shita	9.4.67		18 Kaz 8	16 Kaz 7	Hamb		
39	m	Base 7	Pandur	7.7.67		18 Kaz 8	7 Kaz 5	Hamb	5.9.68	
40	f	Nepa 2	Kumari	5.67		?	?	Ber-E	1.8.67	

No	Sex	Studbook Name	House Name	Date of Birth	Date of Death	Father	Mother	Location	Since	Remarks
41	m	Base 8	Puri	22.12.67		18 Kaz 8	17 Base 2	Stutt	3.6.69	
42	m	Myso 1	Mysore	13.2.68		1 Assa 1	11 Assa 6	Ber-E	24.4.71	
43	f	Kaz 10	Rengi/ Rongi	ca 1962		?	?	Delh	28.3.68	
44	m	Base 9	Ruedi	27.4.69	9.2.71	18 Kaz 8	7 Kaz 5	Hou	6.10.70	nephritis
45	f	Base 10	Randa	5.10.69		18 Kaz 8	17 Base 2	Hou Brow Losan	6.10.70 6.4.72 22.11.74	
46	f	Assa 8	Rhadha	?		?	?	Losan	29.11.69	
47	f	Kaz 11		4.67	23.1.71	?	?	Losan	30.11.69	= Kaz 7 ?
48	f	Assa 9		6.68	31.1.70	?	?	Omah	1.70	death due to non-specific stress syndrome during transport to Omaha
49	m	Nepa 3	Mohan	6.69		?	?	Miam	23.4.70	
50	f	Nepa 4	Shanti	?		?	?	Miam	12.6.70	

51	f	Delh 1	Roopa	27.1.71		33 Kaz 9	43 Kaz 10	Delh Whip	27.1.71 6.2.73	
52	f	Milw 1		30.1.67	30.1.67	14 Base 1	15 Whip 1	Milw		sb breech birth
53	m	Myso 2	Vinu	16.4.71		1 Assa 1	11 Assa 6	Myso Gels Toro	28.8.75 12.6.76	
54	f	Stutt 1		16.7.71	16.7.71	18 Kaz 8	34 Base 6	Stutt		killed by mother
55	f	Base 11	Tutuma	11.8.71		18 Kaz 8	17 Base 2	Antw	5.9.72	
56	f	Base 12	Tanaya	24.8.71		18 Kaz 8	7 Kaz 5	Base		
57	m	Gauh 3	Krishna/ Samber/ Sanver	12.9.71		24 Indi F	25 Indi G	Gauh Nago	2.10.74	
58	m	Hyde 1		25.11.71		76 Kaz 16	77 Kaz 17	Hyde		
59	f	Kaz 12	Rukmini	27.1.71?		?	?	Delh	28.1.72?	= Delh 1, Roopa
60	m	Ber-W 1	Kumar	4.4.72		18 Kaz 8	31 Base 5	Amst Whip	1973 26.3.76 31.12.79	on breeding loan acquired by Whip

No	Sex	Studbook Name	House Name	Date of Birth	Date of Death	Father	Mother	Location	Since	Remarks
61	m	Kaz 13	Sonto	?		?	?	Gauh	28.6.71	
62	m	Assa 11	Lacit	?	14.9.80	?	?	Bom	14.4.52	squamous cell carcinoma in upper jaw old age
63	m	Nepa 5		6.62	24.2.75	?	?	Omah	9.9.66	died 3 days after laparotomy; colonic impaction
64	f	Assa 10	Taja/Jaya	ca 9.73		?	?	Gauh Nago	3.1.74 2.10.74	abandoned by mother in Orang Reserved Forest; brought to Gauhati
65	m	Tok 2	Saitaro	20.12.73		22 Indi D	21 Indi C	Tok Amst	12.12.78	
66	f	Kaz 14		1974 (early)		?	?	Gauh Neyo	30.1.75	
67	f	Kaz 15		1974 (early)		?	?	Gauh Neyo	30.1.75	
68	m	Base 13		3.1.74	3.1.74	18 Kaz 8	7 Kaz 5	Base		anaemia
69	m	Wash 1	Patrick	30.1.74		19 Indi B	28 Gauh 1	Wash Neyo	1975	on loan
70	m	Gauh 4		23.5.74		24 Indi F	25 Indi G	Gauh		

71	m	Stutt 2	Nabob	5.12.74		18 Kaz 8	34 Base 6	Stutt Gels	23.11.76	
72	m	Nepa 6	Xiangka	1958	12.11.78	?	?	Pek	7.1959	gastric ulcer; chronic gastriti.
73	m	Indi I	Yassam	3.70		?	?	Antw	23.3.71	
74	m	Indi J	Harry	ca 1931	31.12.61	?	?	StLou	19.1.34	slight emaciation. ascites
75	m	Assa 12	Kushal	1945		?	?	Madr	9.6.53	
76	m	Kaz 16	Rajkumar	1963		?	?	Hyde	1965	
77	f	Kaz 17	Padma	1964		?	?	Hyde	1968	
78	m	SDWAP 1		24.3.75	25.3.75	26 Base 3	29 Gauh 2	SDWAP		neonatal undeter- mined; probably a weak calf
79	f	Myso 3	Indira	19.7.75		1 Assa 1	11 Assa 6	Myso Toro	27.4.79	
80	f	Base 14	Xavira	10.10.75		18 Kaz 8	7 Kaz 5	Base Phil	6.11.79	

No	Sex	Studbook Name	House Name	Date of Birth	Date of Death	Father	Mother	Location	Since	Remarks
81	m	Assa 13		ca 1972	3.12.73	?	?	Brow	12.9.73	intestinal complications
82	f	Kaz 18	Padumi	?	28.10.64	?	?	Gauh	5.10.58	
83	m	Ber-W 2	Heiner	18.2.76		18 Kaz 8	31 Base 5	Ber-W Ok1	10.7.81	
84	m	Base 15	Yamatari	26.3.76		18 Kaz 8	56 Base 12	Base Gels Colo	2.11.77 2.11.78	
85	m	SDWAP 2	Maharaja	18.10.76	20.10.76	26 Base 3	29 Gauh 2	SDWAP		acute necrotic colitis, enteritis and peritonitis
86	m	Stutt 3	Dvityia	21.9.77		41 Base 8	34 Base 6	Stutt Dvkr	12.8.80	
87	m	Base 16	Assam	26.1.78		18 Kaz 8	56 Base 12	Base Phil	6.11.79	on breeding loan
88	m	Base 17	Angkor	16.7.78	19.11.78	18 Kaz 8	7 Kaz 5	Base		torsio coli; left front leg white
89	f	Ber-W 3	Terai	13.8.79		32 Hamb 1	31 Base 5	Ber-W Ok1	10.7.81	
90	m	Assa 14	Jai Singh	1952	6.5.79	?	?	Luck	30.3.59	death due to injuries; internal haemorrhage in thoracic and abdominal cavities

91	m	Assa 15		1975/6	18.1.80	?	?	Luck	20.10.79	sand colic
92	f	Assa 16		1975/6		?	?	Luck	20.10.79	
93	f	Stutt 4	Numa	13.9.79		41 Base 8	34 Base 6	Stutt Dvkr	22.7.81	
94	m	Kaz 19	Meghnad	1.8.69		?	?	Calc	14.3.74	
95	f	Kaz 20	Kadambini	1.5.73		?	?	Calc	14.3.74	
96	m	Hyde 2	Laddu	12.11.78		76 Kaz 16	77 Kaz 17	Hyde		
97	f	Calc 1		9.1.79		94 Kaz 19	23 Indi E	Calc		
98	f	Nepa 7	Bhunti	ca 9.79		?	?	Peki	10.9.80	
99	f	SDWAP 3	Gainda	19.3.78		26 Base 3	29 Gauh 2	SDWAP		
100	m	Base 18	Chitawan	11.1.80		18 Kaz 8	56 Base 12	Base		

No	Sex	Studbook Name	House Name	Date of Birth	Date of Death	Father	Mother	Location	Since	Remarks
101	m	SDWAP 4	Pandu	8.8.80		26 Base 3	29 Gauh 2	SDWAP		
102	m	Antw 1		3.11.80	7.11.80	73 Indi I	55 Base 11	Antw		mother had shortage of mi
103	m	Nepal 8		?		?	?	Rang	27.8.80	
104	f	Nepal 9		?		?	?	Rang	27.8.80	
105	f	Nepal 10	Rosy	1938	2.4.73	?	?	Luck	2.2.44	dislocation of hip joint; pyometra
106	m	Hyde 3		15.5.81		76 Kaz 16	77 Kaz 17	Hyde		
107	f	Whip 3		21.5.81	21.5.81	60 Ber-W 1	51 Delh 1	Whip		sb
108	m	Nepal 11	Kumat	1980	26.11.81	?	?	Peki	20.10.81	malnutritious exhaustion caused by large quantities of parasites

Distribution of Indian Rhinoceroses 31.12.1981

Amsterdam	8,65	1.1
Antwerp	55,73	1.1
Basel	7,18,56,100	2.2
Berlin, East	40,42	1.1
Berlin, West	31,32	1.1
Calcutta	23,94,95,97	1.3
Cologne	84	1.0
Delhi	33,43	1.1
Dvur Kralove	86,93	1.1
Gauhati	24,25,61,70	3.1
Gelsenkirchen	71	1.0
Hamburg	38,39	1.1
Hyderabad	76,77,58,96,106	4.1
Los Angeles	35,45,46	1.2
Lucknow	92	0.1
Madras	75	1.0
Miami	49,50	1.1
Milwaukee	14	1.0
Mysore	11	0.1
Nagoya	57,64	1.1
New York	19,66,67,69	2.2
Oklahoma	83,89	1.1
Peking	98	0.1
Philadelphia	10,80,87	2.1
Rangoon	103,104	1.1
Rome	6	1.0
San Diego WAP	26,29,99,101	2.2
Stuttgart	34,41	1.1
Tokyo	21,22	1.1
Toronto	53,79	1.1
Trivandrum	12	1.0
Washington	all out on loan	
Whipsnade	51,60	1.1

Population Structure

Ratio wild-caught:captive-born specimens

31.12.1972		31.12.1981	
wild-caught	captive-born	wild-caught	captive-born
31	24	33	37

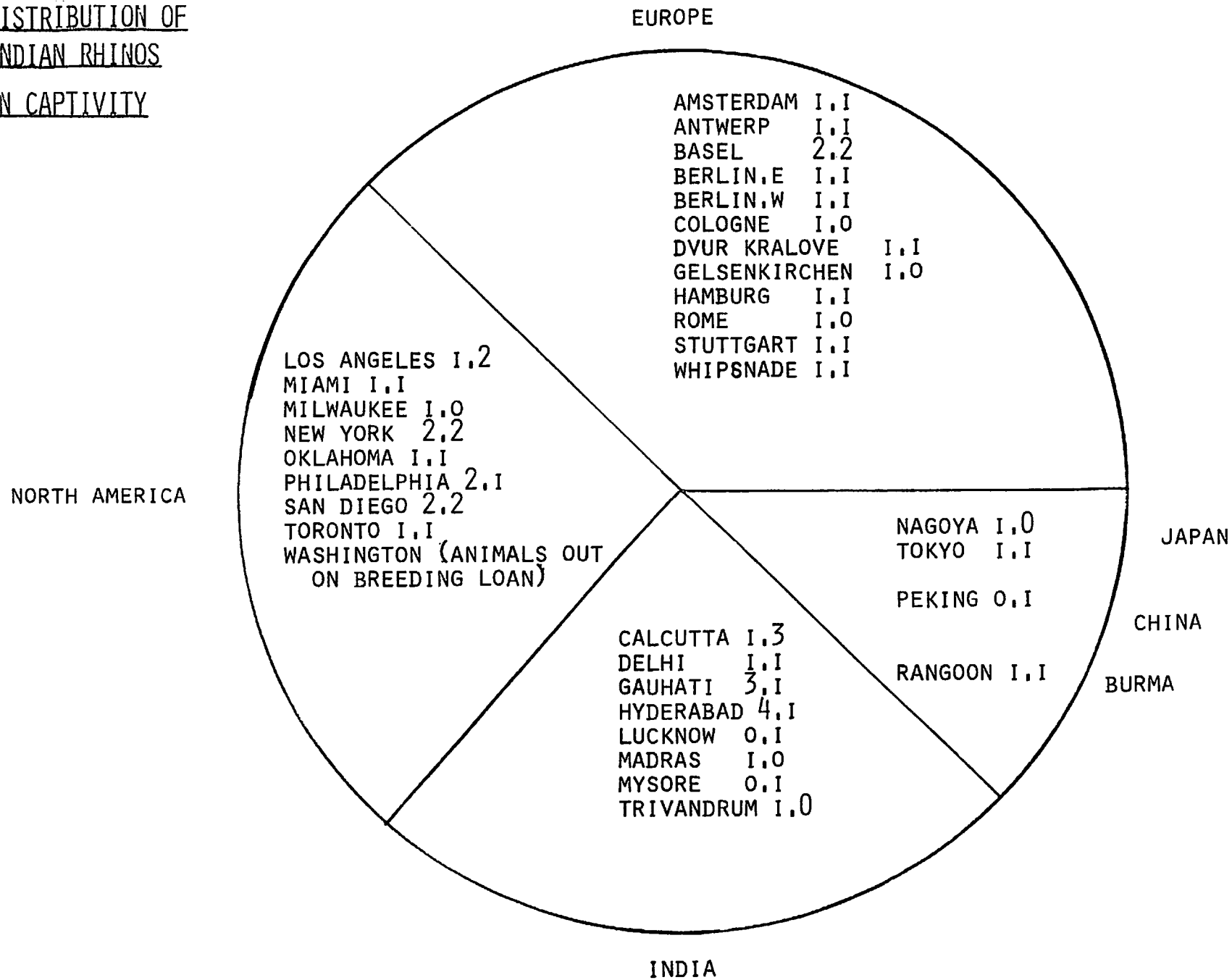
Sex structure

31.12.1972	31.12.1981
31.24	38.32

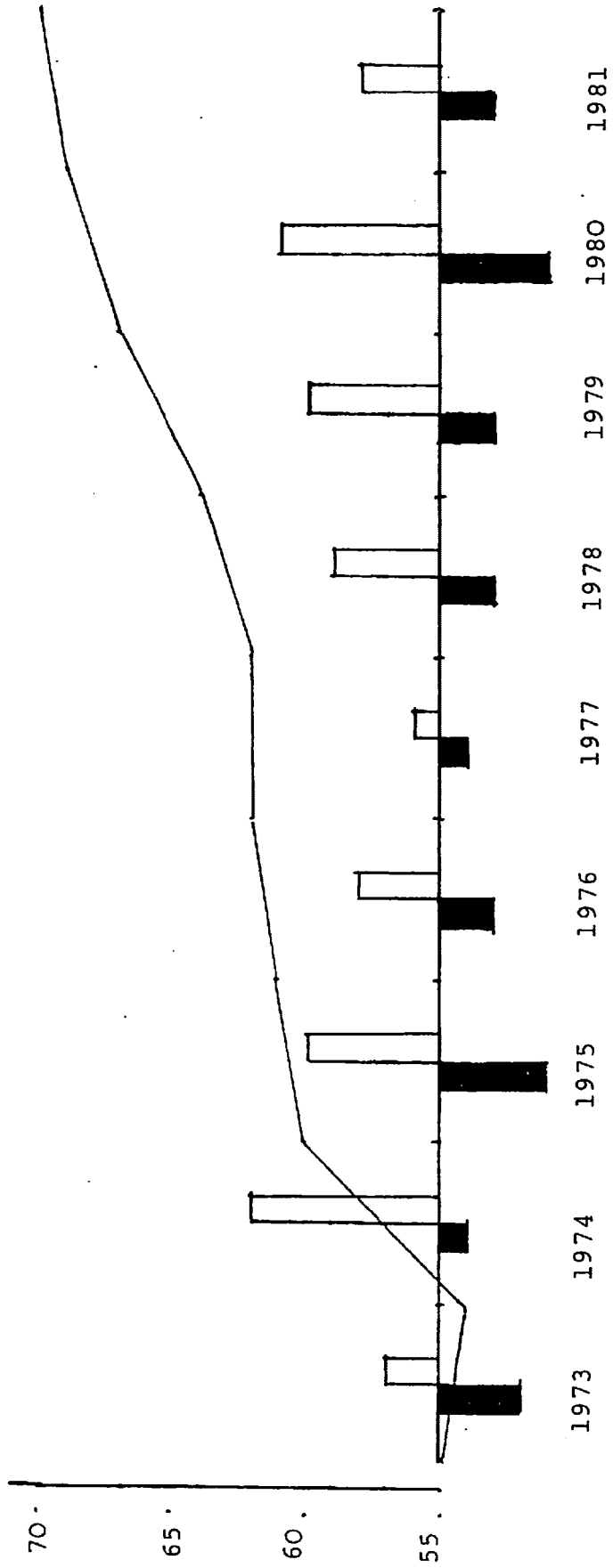
Age structure

age (years)	31.12.1972	31.12.81
1-9	14.13	13.13
10+	10.6	14.12
20+	6.4	7.4
30+	1.1	4.3

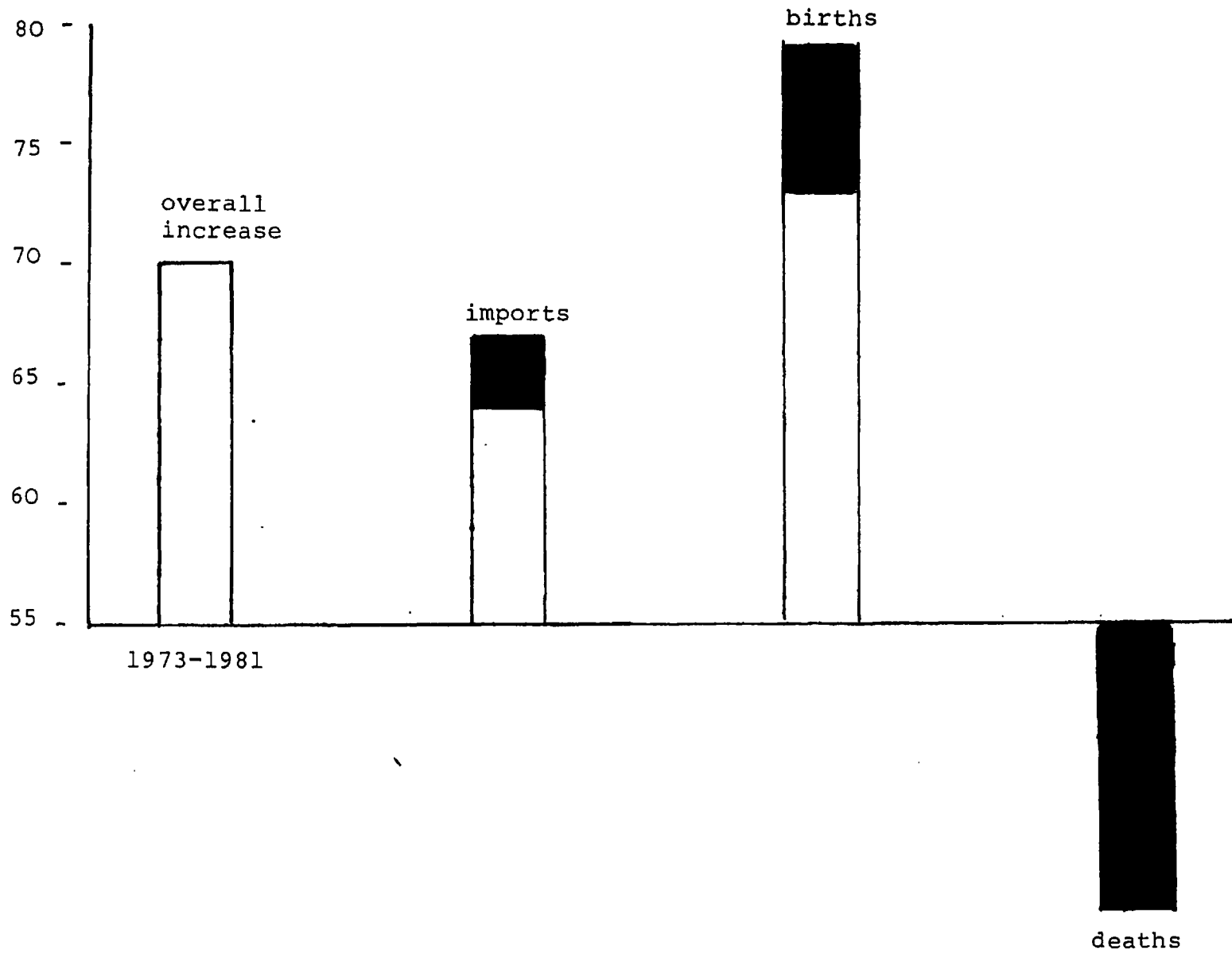
DISTRIBUTION OF
INDIAN RHINOS
IN CAPTIVITY



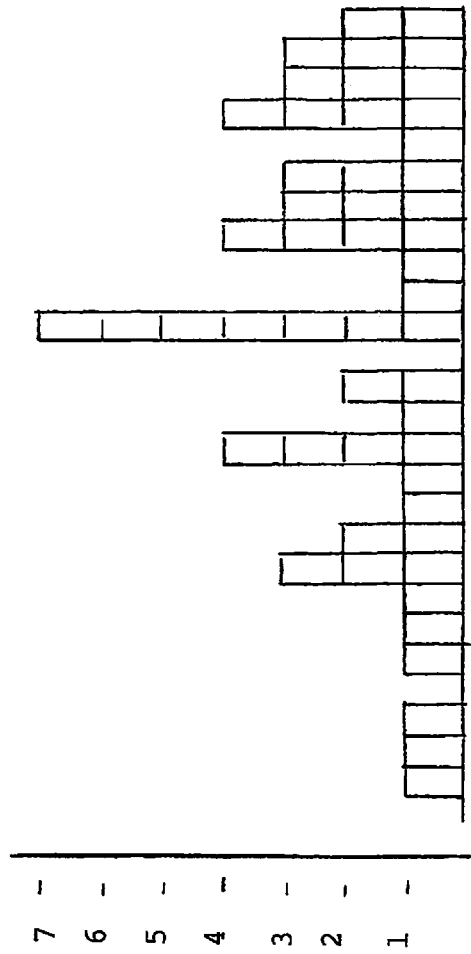
Population Trend 1973-81



Overall increase

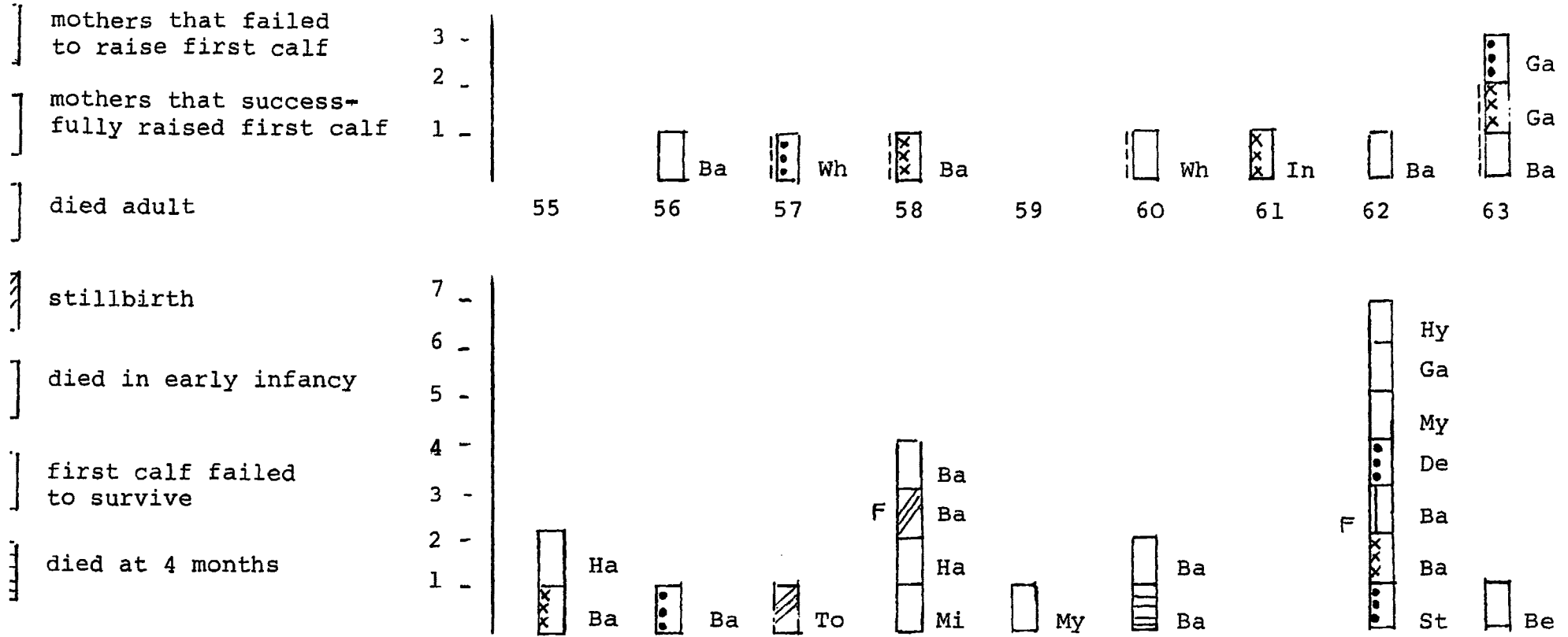


DISTRIBUTION OF BIRTHS 1956-1981



key

Births 1956-1981



- 1 - Antwerpen
- a - Basel
- e - Berlin-W.
- a - Calcutta
- e - Delhi
- a - Gauhati
- a - Hamburg
- 7 - Hyderabad
- 1 - India E Calcutta
- l - Milwaukee
- 7 - Mysore
-) - San Diego WAP
- : - Stuttgart
-) - Tokyo
- a - Washington
- 1 - Whipsnade

