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***SUMATRAN RHINOCEROS** *Dicerorhinus sumatrensis* ssp IUCN(CR)

1996: Cincinnati USA 1.2; Colchester UK 1.1; Jakarta Indon 0.1; Lympne UK 1.0.

Total: 3.4 in 4 collections.

1997: Cincinnati USA 1.2; Lympne UK 1.0; Melaka 2.1.

Total: 4.3 in 3 collections.

Breeding loan(s) reported—see Key 8.

Studbook: see list of international studbooks and registers.

***BLACK RHINOCEROS** *Diceros bicornis* ssp IUCN(CR)

1996: Chester UK 2.2(2.2); Cincinnati USA 0.1(0.1); Colombo SL 0.1(0.1); Colorado USA 0.1(0.1); Columbus USA 2.1(1.1); Denver USA 2.1(2.1); Detroit USA 1.0; Hanover Ge 1.1(1.1); Naples It 1.1; Oklahoma USA 1.0(1.0); Potgietersrus SA 4.1(2.0); Rome It 0.1(0.1); St Louis USA 1.1(0.1); Sioux Falls USA 1.0(1.0); Tallin Est 1.1; Tyler USA 2.1(2.1); Whipsnade UK 1.1(1.1); Yokohama KNP Jap 1.0(1.0).

Total: 21.15(14.12) in 18 collections.

1997: Boston USA 0.1; Chester UK 2.2(2.2); Colombo SL 0.1; Columbus USA 1.0; Denver USA 2.0(2.0); Detroit USA 1.0; Hanover Ge 1.1(1.1); Honolulu USA 1.0; Little Rock USA 1.0(1.0); Mysore Ind 1.2(1.2); Oklahoma USA 1.0(1.0); Portland USA 0.1(0.1); Potgietersrus SA 4.1(2.0); Rome It 0.1(0.1); St Louis USA 1.1(0.1); Sioux Falls USA 1.0(1.0); Taipei Tai 0.2; Tallin Est 1.1; Tampa USA 2.2(2.2); Tyler USA 2.1(2.1); Whipsnade UK 1.1(1.1); Yokohama KNP Jap 1.2(1.2).

Total: 24.20(17.14) in 22 collections.

Breeding loan(s) reported—see Key 8.

***EASTERN BLACK RHINOCEROS**

D. b. michaeli

1996: Atlanta USA 1.1(1.1); Berlin ZG Ge 1.6(0.4); Chicago Br USA 4.2(4.1); Chicago LP USA 1.2(1.2); Cincinnati USA 3.1(3.0); Cleveland USA 1.0(1.0); Columbia USA 2.1(2.1); Dortmund Ge 0.1(0.1); Dvur Kralove Czech 5.8(5.6); Hanover Ge 1.0(1.0); Hiroshima Jap 1.4(0.3); Honolulu USA 1.0(1.0); Kansas USA 2.0(2.0); Krefeld Ge 1.1(1.1); Leipzig Ge 1.2(1.2); London ZSL UK 1.1(1.1); Los Angeles USA 1.2(1.1); Lympne UK 4.6(3.3); Magdeburg Ge 0.3(0.2); Miami MZ USA 2.3(2.1); Nagoya Jap 1.1(1.1); NY Bronx USA 1.0(1.0); San Diego WAP USA 4.3(2.1); San Francisco USA 1.1(1.0); Taipei Tai 0.2(0.2); Wichita USA 1.1(1.0); Zurich Switz 2.3(2.1).

Total: 43.55(38.35) in 27 collections.

1997: Atlanta USA 1.1(1.1); Berlin ZG Ge 2.6(1.4); Chicago Br USA 3.2(3.1); Chicago LP USA 1.2(1.2); Cincinnati USA 2.1(2.0); Cleveland USA 1.0(1.0); Columbia USA 1.1(1.1); Dortmund Ge 1.1(1.1); Dvur Kralove Czech 4.7(4.6); Garden City USA 1.0(1.0); Hanover Ge 1.0(1.0); Hiroshima Jap 1.4(0.3); Honolulu USA 1.0; Jacksonville USA

1.0(1.0); Kansas USA 2.1(2.0); Krefeld Ge 1.1(1.1); Lansing USA 1.1(1.1); Leipzig Ge 1.2(1.2); London ZSL UK 1.1(1.1); Los Angeles USA 1.2(1.1); Lympne UK 5.7(4.4); Magdeburg Ge 1.3(1.3); Miami MZ USA 2.4(2.3); Nagoya Jap 2.1(2.1); NY Bronx USA 1.0(1.0); Osaka Jap 1.2(1.2); Pittsburgh USA 1.1(1.1); Portland USA 1.0(1.0); San Antonio USA 1.2(0.2); San Diego WAP USA 2.3(2.2); San Francisco USA 1.1(1.0); Taipei Tai 0.2; Wichita USA 1.1(1.0); Zurich Switz 1.4(1.2).

Total: 48.64(43.45) in 34 collections.

***SOUTHERN BLACK RHINOCEROS**

D. b. minor

1996: Fort Worth USA 1.2(1.1); Frankfurt Ge 1.2(0.1); Los Angeles USA 0.1(0.1); Milwaukee USA 1.1; San Diego USA 2.1(0.1).

Total: 5.7(1.4) in 5 collections.

1997: Fort Worth USA 1.2(1.1); Johannesburg SA 1.0; Los Angeles USA 0.1(0.1); Milwaukee USA 1.2(0.1); San Diego USA 1.1; Yulee USA 3.3.

Total: 7.9(2.3) in 6 collections.

1996 Species total: 69.77(53.51) in 47 collections.

1997 Species total: 79.93(62.62) in 57 collections.

Breeding loan(s) reported—see Key 8.

Studbook: see list of international studbooks and registers.

***INDIAN RHINOCEROS** *Rhinoceros unicornis* IUCN(EN)

1996: Basle Switz 0.3(0.3); Berlin TP Ge 1.3; Berlin ZG Ge 1.1(1.0); Bombay Ind 1.0; Buffalo USA 1.0(1.0); Calcutta Ind 2.1(1.0); Chester UK 1.0(1.0); Chiangmai Thai 1.1(1.0); Cincinnati USA 1.1(1.1); Cologne Ge 1.1(1.1); Dvur Kralove Czech 1.1(1.1); Fort Worth USA 1.1; Gauhati Ind 5.4; Hyderabad Ind 1.0; Kathmandu Nepal 1.1; Liberec Czech 1.0(1.0); Los Angeles USA 1.2(0.2); Mechelen Bel 1.4(1.4); Miami MZ USA 2.1(1.0); Milwaukee USA 1.0(1.0); Munich Ge 1.2(1.1); Nagoya Jap 2.2(2.1); NY Bronx USA 2.4(2.2); Nurnberg Ge 1.1(1.1); Oklahoma USA 1.1(1.1); Philadelphia USA 1.2(0.2); Rotterdam Ne 1.1(1.1); San Diego USA 2.0(2.0); San Diego WAP USA 7.5(7.5); San Francisco USA 1.1; Sao Paulo Braz 1.0(1.0); Stuttgart Ge 1.1(1.0); Tampa LP USA 1.0(1.0); Washington NYP USA 1.2(1.0); Whipsnade UK 1.1(1.1); Yokohama KNP Jap 1.0(1.0).

Total: 50.48(35.27) in 36 collections.

1997: Basle Switz 2.2(2.2); Baton Rouge USA 1.0(1.0); Berlin TP Ge 1.3; Berlin ZG Ge 1.1(1.0); Bombay Ind 1.0; Buffalo USA 1.0(1.0); Chester UK 1.0(1.0); Chiangmai Thai 1.1(1.0); Cincinnati USA 1.1(1.1); Cologne Ge 1.1(1.1); Dvur Kralove Czech 1.1(1.1); Fort Worth USA 1.1; Kathmandu Nepal 1.1; Liberec Czech 1.0(1.0); Lisbon Port 2.1(2.1); Los Angeles USA 1.2(0.2); Mechelen Bel 1.3(1.3); Miami MZ USA 2.1(1.0); Munich Ge 1.2(1.1); Mysore Ind 1.0(1.0); Nagoya Jap 2.2(2.1); NY Bronx USA

2.3(2.2); Nurnberg Ge 1.1(1.1); Oklahoma USA 1.2(1.2); Philadelphia USA 1.2(1.2); Rotterdam Ne 1.1(1.1); San Diego WAP USA 3.5(3.4); Sao Paulo Braz 1.0(1.0); Singapore 3.2; Stuttgart Ge 1.1(1.0); Tampa LP USA 1.0(1.0); Toronto Can 2.1(2.1); Washington NZP USA 1.2(1.0); Whipsnade UK 1.1(1.1); Yokohama KNP Jap 1.0(1.0).

Total: 45.44(36.27) in 35 collections.

Breeding loan(s) reported—see Key 8.

Studbook: see list of international studbooks and registers.

ARTIODACTYLA

*BABIRUSA *Babyrousa babyrussa* IUCN(VU)

1996: Antwerp Bel 3.3; Bandung Indon 1.1; Barcelona Sp 1.1; Berlin ZG Ge 2.2; Champrepus Fr 2.0; Cincinnati USA 1.1; Colchester UK 2.0; Copenhagen Den 2.3; Denver USA 2.1; Dudley UK 1.1; Edinburgh UK 1.1; Frankfurt Ge 1.1; Gt Yarmouth UK 1.1; Jakarta Indon 12.16; Jersey UK 1.1; Krefeld Ge 2.1; Los Angeles USA 1.1; Lympe UK 2.2; Madrid Sp 1.1; Marwell UK 3.2; Munich Ge 1.1; NY Bronx USA 8.8; Nurnberg Ge 1.2; Oklahoma USA 1.1; Pretoria SA 1.0; Providence USA 1.2; Rotterdam Ne 3.2; St Etienne Fr 3.3; St Louis USA 1.2; San Diego USA 1.1; San Diego WAP USA 1.1; Tampa LP USA 1.1; Twycross UK 2.2; Wuppertal Ge 1.1.

Total: 68.67 in 34 collections; all are presumed captive bred.

1997: Antwerp Bel 2.3; Barcelona Sp 1.1; Berlin ZG Ge 2.1(1.0); Champrepus Fr 2.0; Cincinnati USA 1.1; Colchester UK 2.0; Copenhagen Den 3.4; Denver USA 2.1; Dudley UK 1.1; Edinburgh UK 1.1; Frankfurt Ge 1.1; Krefeld Ge 1.1; Los Angeles USA 1.1; Lympe UK 4.2; Madrid Sp 1.2; Marwell UK 1.2; Munich Ge 1.1; New Orleans USA 2.2; NY Bronx USA 7.5; Nurnberg Ge 1.1; Oklahoma USA 1.2; Philadelphia USA 1.1; Pretoria SA 1.0; Providence USA 1.2; Rotterdam Ne 2.2; St Etienne Fr 2.2; St Louis USA 2.2; San Diego USA 1.1; San Diego WAP USA 1.1; Singapore 10.14; Stuttgart Ge 2.3; Tampa LP USA 3.1; Twycross UK 2.3; Vienna Aus 3.1; Wuppertal Ge 1.1.

Total: 70.67 in 35 collections; most are presumed captive bred.

Breeding loan(s) reported—see Key 8.

Studbook: see list of international studbooks and registers.

BEARDED PIG *Sus barbatus*

1997: Berlin ZG Ge 7.8(7.8); Kuala Lumpur Mal 3.2(4.0.4); San Diego USA 2.4; Singapore 29.27(21.18); Taipei Tai 4.2.

Total: 45.43.4(29.26.4) in 5 collections.

Breeding loan(s) reported—see Key 8.

*PYGMY HOG *Sus salvanius* IUCN(CR)

1996: Kiryu Jap 6.8.3(6.6.3); Stuttgart Ge 2.2(2.2).

*JAVAN WARTY PIG *Sus verrucosus*

IUCN(EN)

1997: Poznan Pol 1.1(1.1).

*PYGMY HIPPOPOTAMUS *Hexaprotodon liberiensis* IUCN(VU)

1996: Aalborg Den 1.1; Adelaide Austral 0.2; Antwerp Bel 1.2; Arnhem Ne 1.2; Atina It 2.3; Baltimore USA 0.2; Bangkok Thai 2.3; Barcelona Sp 2.2(1.2); Basle Switz 1.2; Baton Rouge USA 1.1; Berlin TP Ge 1.2(0.1); Berlin ZG Ge 1.2; Bristol UK 1.1; Brownsville USA 2.2(1.1); Chicago Br USA 0.2; Chicago LP USA 1.2; Cleveland USA 1.1(0.1); Duisburg Ge 2.4(1.2); Dvur Kralove Czech 2.4; Edinburgh UK 1.2; Gdansk Pol 1.3; Halle Ge 1.2; Hilo USA 0.1; Hodenhagen Ge 1.1; Hoyerswerda Ge 2.1; Jakarta Indon 1.1; Jihlava Czech 1.2; Kaliningrad Rus 1.0; Kaunas Lith 1.1; Krakow Pol 1.1; Krefeld Ge 1.1; Kuala Lumpur Mal 1.2; Leipzig Ge 1.2; Lichtenburg SA 1.2; Lisbon Port 1.1; Marwell UK 1.1; Melbourne Austral 1.2; Miami MZ USA 1.2(1.1); Morelia Mex 0.1; Nagoya Jap 1.2; Nurnberg Ge 0.1; Olomouc Czech 1.2; Omaha USA 1.1; Opole Pol 1.1; Paris PZ Fr 1.2(1.1); Potgietersrus SA 1.0; Poznan Pol 1.3(0.3); Prague Czech 1.1; Pretoria SA 1.2; Rome It 2.3(2.2); Rostov Rus 1.0; Rotterdam Ne 2.1; Salt Lake USA 1.1(0.0); San Diego WAP USA 0.1; San Francisco USA 1.0; San Jose USA 0.1; Stuttgart Ge 1.1; Sydney Austral 0.2; Taipei Tai 2.4; Tallin Est 1.1; Tashkent Uzbek 0.1; Tokyo Ueno Jap 2.2(1.2); Tucson RP USA 1.1(0.1); Tunis Tunisia 1.1.1; Usti Czech 1.1; Washington NZP USA 2.2(1.2); Whipsnade UK 2.3; Wroclaw Pol 1.1; Zurich Switz 1.1(1.0).

Total: 72.112.1 in 69 collections; most are presumed captive bred—see Key 6.

1997: Aalborg Den 2.1; Adelaide Austral 0.2; Antwerp Bel 1.2; Bangkok Thai 1.1; Barcelona Sp 2.2(1.2); Baton Rouge USA 1.0; Berlin TP Ge 1.2(0.1); Berlin ZG Ge 1.2; Boston USA 1.1; Brownsville USA 2.2(1.1); Chicago Br USA 1.2(0.2); Chicago LP USA 1.2; Cleveland USA 1.1(0.1); Duisburg Ge 2.3(1.2); Edinburgh UK 1.1; Give Den 1.1; Halle Ge 1.1; Hilo USA 0.1; Hodenhagen Ge 0.1; Hoyerswerda Ge 2.1; Jackson USA 1.1; Kaliningrad Rus 1.0; Krefeld Ge 1.1; Kuala Lumpur Mal 1.2; Lichtenburg SA 1.1; Lisbon Port 1.1; London ZSL UK 0.1; Marwell UK 2.1; Melbourne Austral 1.1; Miami MZ USA 1.2(1.1); Nagoya Jap 1.2; Obregon Sp 0.3; Olomouc Czech 1.2; Omaha USA 1.1; Potgietersrus SA 1.0; Poznan Pol 1.3(0.3); Pretoria SA 1.2; Rostov Rus 1.0; Rotterdam Ne 2.1; Salt Lake USA 1.1(0.0); San Francisco USA 1.0; Singapore 2.3; Stuttgart Ge 1.0; Sydney Austral 0.2; Tallin Est 1.1; Toronto Can 1.1; Tucson RP USA 1.1(0.1); Tunis Tunisia 1.1; Usti Czech 1.1; Washington NZP USA 2.2(1.2); Whipsnade UK 1.2; Wroclaw Pol 1.1; Zurich Switz 1.1(0.0).

Total: 56.71 in 53 collections; most are presumed captive bred—see Key 6.