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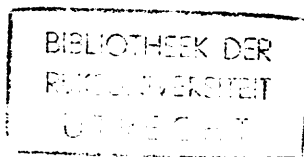
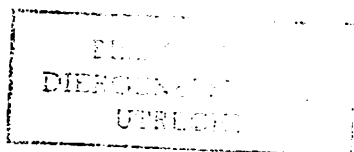
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RIJKSUNIVERSITEIT TE UTRECHT



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*MALAYAN TAPIR *Tapirus indicus* IUCN (E)
 Amsterdam Ne 1/2(0/1); Arnhem Ne 1/2(1/2); Basle
 Switz 1/2(1/1); Berlin E Ge 1/3(1/1); Berlin W Ge
 1/0; Bristol GB 1/1; Chester GB 1/0; Chicago Br USA
 1/0; Colorado USA 1/2; Columbia USA 1/1; Copen-
 hagen Den 1/2(1/2); Dallas USA 1/0; Djakarta Indon
 1/2(0/1); Dresden Ge 1/1(1/1); Dvur Kralove Cz 1/1;
 Hanover Ge 1/1(0/1); Heidelberg Ge 2/2(1/2); Helsinki
 Fin 1/0(1/0); Katowice Pol 1/1; Kuala Lumpur Mal
 1/3(0/1); Leipzig Ge 1/0(1/0); Liberec Cz 1/0; London
 ZSL GB 1/1; Los Angeles USA 1/2(0/1); Miami CP
 USA 1/1; Milwaukee USA 2/1; Monroe USA 1/1
 (0/1); Munich Ge 1/1(1/1); Nagoya Jap 1/1; NY Bronx
 USA 2/1; Nuremberg Ge 2/1(1/0); Osaka Jap 1/0(1/0);
 Ostrava Cz 1/1; Prague Cz 1/2(1/2); Rangoon Burm
 0/1; Rome It 1/1; Rotterdam Ne 1/2(1/1); St Louis USA
 2/2(1/0); San Antonio USA 0/2(0/1); San Diego USA
 1/2(1/1); Sao Paulo Braz 1/1; Sendai Jap 1/1(0/1);
 Shizuoka Jap 1/1; Singapore 1/1; Stuttgart Ge 1/1
 (1/1); Surabaya Indon 0/1; Tokyo Tama Jap 2/1(1/0);
 Toronto Can 1/2; Twycross GB 1/1; Vienna Aus 2/1
 (1/1).

Total: 54/60(18/24) in 50 collections.

No data 1977: Bangkok Thai 1/1; Columbus USA 1/1(1/0);
 Edmonton AGF Can 1/2(1/2).

Breeding loans from Stuttgart (at Basle) and Amsterdam (a
 Munich).

*MOUNTAIN or WOOLLY TAPIR

Tapirus pinchaque IUCN (E)

Leipzig Ge 0/1; Los Angeles USA 1/1; Paris PZ Fr 1/0;
 Stuttgart Ge 1/1.

Total: 3/3 in 4 collections.

*BAIRD'S TAPIR *Tapirus bairdii* IUCN (E)

Columbia USA 1/1(0/1); Los Angeles USA 3/1(2/0);
 Miami CP USA 1/1; Naples USA 1/0; Peking China
 1/1; Philadelphia USA 1/0; San Diego USA 3/3
 (2/1).

Total: 11/7(4/2) in 7 collections.

No data 1977: Canal Zone 0/2; San Salvador El Sal 0/1;
 Tuxtla Mex 2/2(2/2).

*INDIAN RHINOCEROS *Rhinoceros unicornis* IUCN (E)

Amsterdam Ne 0/1; Antwerp Bel 1/1(0/1); Basle
 Switz 2/3(1/2); Berlin E Ge 1/1(1/0); Berlin W Ge 2/1
 (2/1); Bombay Ind 1/0; Calcutta Ind 1/2(0/1); Delhi
 Ind 1/1; Gauhati Ind 2/4; Gelsenkirchen Ge 1/0(1/0);
 Hamburg Ge 1/1(1/1); Hyderabad Ind 2/1; Los Angeles
 USA 1/2(0/1); Miami CP USA 1/1; Milwaukee USA
 1/0(1/0); Nagoya Jap 1/1(1/0); NY Bronx USA 1/2
 (1/0); Peking China 1/0; Philadelphia USA 1/0; Rome
 It 1/0; San Diego WAP USA 1/2(1/1); Stuttgart Ge
 1/1(1/1); Tokyo Tama Jap 2/1(1/0); Toronto Can
 1/0(1/0); Washington NZP USA 1/1(0/1); Whipsnade
 GB 1/1(1/1).

Total: 30/28(14/11) in 26 collections.

No data 1977: Madras Ind 1/0; Mysore Ind 1/2(0/1); Trivan-
 drum Ind 1/0.

Breeding loan from Philadelphia (♀ at San Diego WAP) and
 Washington NZP (♂ at NY Bronx).

SOUTHERN WHITE RHINOCEROS

Ceratotherium s. simum

Albuquerque USA 1/1; Alexandria Egt 1/0(1/0);
 Antwerp Bel 2/2(1/0); Arnhem Ne 4/7; Asheboro USA
 1/1; Barcelona Sp 1/2; Baton Rouge USA 1/2; Berlin E
 Ge 1/1; Berlin W Ge 1/1; Birmingham USA 1/2; Black-
 pool GB 1/2; Blair Drummond GB 1/0; Bloemfontein
 SA 1/1; Boras Swed 1/1; Brownsville USA 1/1;
 Caracas Caricua Ven 1/1; Calgary Can 1/1; Catskill
 USA 1/1; Chester GB 1/1; Chicago Br USA 1/1;
 Cologne Ge 1/1; Columbia USA 1/2; Copenhagen
 Den 2/2(1/0); Djakarta Indon 1/1; Dortmund Ge 1/1;
 Doswell LCS USA 7/6; Dresden Ge 1/1; Dublin Ire
 0/1; Duisburg Ge 1/1; Dvur Kralove Cz 2/6; Edinburgh
 GB 2/1(1/0); Emmen Ne 1/1; Fort Worth USA 1/1;
 Fresno USA 1/1; Gauhati Ind 1/0; Gelsenkirchen Ge
 0/1; Glasgow GB 2/0(2/0); Hanover Ge 1/1; Hilvaren-
 beek Ne 2/4(1/0); Honolulu USA 1/1; Houston USA 1/1;
 Hyderabad Ind 1/1; Jackson USA 1/2; Jacksonville
 USA 2/3; Johannesburg SA 2/2; Kaliningrad USSR
 1/1; Katowice Pol 1/1; Kiev USSR 1/1; Kings Mills
 USA 6/3; Knoxville USA 1/4; Kolmarden Swed 1/1;
 Krefeld Ge 1/1; Laguna Hills LCS USA 7/8(0/1);
 Liberec Cz 1/1(0/1); Lichtenberg SA 3/4; Lisbon Port
 1/1; Little Rock USA 1/1; London ZSL GB 0/1;
 Longleat GB 5/3(2/0); Los Angeles USA 1/1; Louisville
 USA 1/1; Madison USA 1/1; Madrid Sp 1/1; Mallorca
 Sp 1/1; Memphis USA 1/1; Milwaukee USA 1/2;
 Monroe USA 1/1; Munich Ge 1/2; Munster Ge 1/1;
 New Orleans USA 2/2; Nuremberg Ge 1/1; Oklahoma
 USA 1/1; Omaha USA 1/1; Ostrava Cz 1/1; Peking
 China 1/1; Philadelphia USA 1/2(1/2); Phoenix USA
 2/1(1/0); Pietermaritzburg NLP SA 1/2; Prague Cz 1/2;
 Prescott GB 3/1; Pretoria SA 3/2(1/0); Ramat-Gan Is
 4/4; Rangoon Burm 1/1; Rio de Janeiro Braz 1/1;
 Rockton Can 2/2; Rostov USSR 1/1; Rotterdam Ne
 1/2; San Antonio USA 3/3(2/1); San Diego USA 2/0
 (2/0); San Diego WAP USA 9/13(6/4); San Francisco
 USA 1/1; San Roque Sp 1/1; Santo Domingo Dom
 2/2; Sao Paulo Braz 1/1; Sendai Jap 1/1; Sigean Fr
 1/1; Singapore 1/1; Surabaya Indon 1/1(1/1); Tampa
 USA 1/1; Thoiry Fr 3/1; Tokyo Ueno Jap 1/1; Toledo
 USA 1/1; Toronto Can 2/2(1/1); Tucson RP USA 1/1;
 Turin It 1/1; Villiersdorp SA 0/2; Whipsnade GB 3/12
 (1/4); Windsor GB 3/5; Winston USA 2/1(2/1);
 Zurich Switz 1/1.

Total: 170/195(27/16) in 110 collections.

No data 1977: Bandholm Den 1/1; Columbus USA 1/2(0/1);
 Edmonton AGF Can 1/1; Maracaibo Ven 1/1; Mysore
 Ind 1/1.

*NORTHERN WHITE RHINOCEROS

C. s. cottoni IUCN (E)

Antwerp Bel 0/1; Dvur Kralove Cz 2/4; Leipzig Ge
 1/1; London ZSL GB 1/0; Prescott GB 0/1; San
 Diego WAP USA 1/1; Tunis Tun 2/2.

Total: 7/10 in 7 collections.

No data 1977: Khartoum Sud.

Breeding loan from Washington NZP (♀ at San Diego WAP).

***BLACK RHINOCEROS** *Diceros bicornis*

IUCN (v)

Adelaide Austral 1/0; Alma-Ata USSR 1/1(1/0); Amsterdam Ne 0/1; Asheboro USA 1/1; Atlanta USA 1/1; Berlin E Ge 0/1; Berlin W Ge 1/2; Boston USA 2/2(1/0); Bristol GB 1/1(1/0); Budapest Hun 0/1; Buffalo USA 1/2; Chester GB 1/0(1/0); Chicago Br USA 1/3; Cincinnati USA 2/3(1/2); Cleveland USA 1/0(1/0); Colombo SL 0/1; Colorado USA 1/2(0/1); Dallas USA 1/1; Delhi Ind 1/1; Denver USA 2/2(1/1); Detroit USA 1/2(0/1); Duluth USA 1/0(1/0); Dvur Kralove Cz 2/6; Frankfurt Ge 1/1(0/1); Gauhati Ind 1/1; Grodno USSR 1/0; Hanover Ge 1/1(1/0); Hiroshima Jap 1/1; Jacksonville USA 1/1; Johannesburg SA 1/0(1/0); Kagoshima Jap 1/1; Kano Nig 1/0; Kobe Jap 1/1(1/0); Kuala Lumpur Mal 1/0; Leipzig Ge 1/1; Lesna Cz 1/1; Lisbon Port 1/2(0/2); Lodz Pol 1/0; London ZSL GB 0/2(0/1); Los Angeles USA 1/1; Lympne GB 1/2(1/0); Magdeburg Ge 1/1; Maiduguri Nig 1/2(0/1); Memphis USA 1/2(0/2); Mexico Chapultepec 1/1; Miami CP USA 1/1; Nagoya Jap 1/2; Naples It 1/2(0/1); Oklahoma USA 1/2(1/1); Osaka Jap 1/2(1/1); Paignton GB 1/0(1/0); Peking China 0/3; Perth Austral 0/1; Pretoria SA 1/1; Rome It 1/1(0/1); St Louis USA 2/2(1/1); San Antonio USA 1/1(0/1); San Diego USA 1/1(0/1); San Diego WAP USA 1/2(1/1); San Francisco USA 1/1; Sao Leopoldo Braz 1/0; Sydney Austral 2/2(1/2); Tampa USA 2/2(1/2); Teheran Iran 2/2(1/1); Tel Aviv Is 1/1; Toronto Can 1/1(1/1); Vienna Aus 1/0; Washington NZP USA 1/2(0/1); Whipsnade GB 1/1; Wroclaw Pol 1/1; Zurich Switz 2/3(0/1).

Total: 73/93(21/28) in 71 collections.

No data 1977: Bangkok Thai 1/0; Columbus USA 2/0(1/0); Cairo Egt 1/0; Granby Can 1/1; Mysore Ind 2/2(1/1); Wichita USA 1/1(1/1); Zagreb Yug 1/1.

Studbooks: Further details of all rhinoceros species may be obtained from the respective Studbook Keepers (see pp. 445-446).

ARTIODACTYLA***PYGMY HOG** *Sus salvanius* IUCN (i)

Gauhati Ind 2/4(1/1); Zurich Switz 1/1(1/1)†.

Total: 3/5(2/2) in 2 collections.

†on loan from Jersey.

GIANT FOREST HOG *Hylochoerus meinertzhageni*

No data 1977: Nairobi Ken 0/1.

BABIRUSA *Babirusa babirusa*

Antwerp Bel 4/4(3/3); Djakarta Indon 3/2; Frankfurt Ge 1/1; Stuttgart Ge 5/2(1/0+) Surabaja Indon 10/9(5/4).

Total: 23/18(0/7+) in 5 collections.

No data 1977: Bandung Indon 2/1.

***PYGMY HIPPOPOTAMUS** *Choeropsis*

liberiensis IUCN (R)

Amsterdam Ne 1/1(1/0); Antwerp Bel 1/2(1/0); Arnhem Ne 2/3(1/1); Baltimore USA 2/4(1/2); Barcelona Sp 1/1; Basle Switz 2/4(1/4); Berlin E Ge 1/1; Berlin W Ge 1/2(1/2); Bristol GB 2/1(1/1); Brownsville USA 1/2(0/1); Budapest Hun 2/1(1/1); Catskill USA 1/2(1/0); Chester GB 1/1(0/1); Chicago Br USA 1/3(1/3); Cincinnati USA 2/3(1/1); Cleveland USA 0/2(0/1); Copenhagen Den 2/1(1/1); Dallas USA 1/2(0/1); Detroit USA 1/1(0/1); Duisburg Ge 2/2; Dvur Kralove Cz 2/3(1/1); Edinburgh GB 1/1; Erfurt Ge 1/1(1/1); Fort Worth USA 1/1; Fresno USA 1/1(1/1); Hanover Ge 1/1; Honolulu USA 1/2(1/2); Ibadan Univ Nig 1/1(1/1); Jackson USA 1/1(1/1); Jacksonville USA 2/2(2/1); Johannesburg SA 0/1(0/1); Kaliningrad USSR 1/1(1/1); Krefeld Ge 1/1(1/1); Leipzig Ge 3/2(2/1); Lichtenburg SA 1/1(1/1); Los Angeles USA 1/1; Melbourne Austral 1/3(1/3); Miami CP USA 1/4(0/3); Munich Ge 1/3(1/3); Nagoya Jap 1/1(1/0); NY Bronx USA 1/6(1/6); Nuremberg Ge 1/1(1/1); Paris PZ Fr 1/2(1/0); Perth Austral 0/1; Philadelphia USA 1/2(0/1); Poznan Pol 1/1(0/1); Prague Cz 1/1; Pretoria SA 2/3(2/3); Rangoon Burm 1/1; Rome It 0/1; Rotterdam Ne 1/2(1/2); St Louis USA 2/3(1/3); Salt Lake USA 1/1(0/1); San Antonio USA 1/2(0/2); San Diego USA 1/3(0/2); San Francisco USA 1/1(1/1); Stonham USA 1/1(1/1); Stuttgart Ge 1/1(1/1); Sydney Austral 1/3(1/2); Tampa USA 0/1; Tokyo Ueno Jap 2/1(0/1); Toledo USA 0/1; Toronto Can 1/3(1/3); Tunis Tun 1/1; Washington NZP USA 1/7(0/5); Whipsnade GB 2/3(1/2/2/1); Zurich Switz 1/2(1/1).

Total: 77/126/1(43/83/1) in 67 collections.

No data 1977: Columbus USA 1/1(1/1); Memphis USA 2/3(1/2); Nairobi Ken 2/1(1/0); NY Central Pk USA 0/1.

Breeding loan from Washington NZP (1/0 at Cincinnati).

Studbook: Further details of animals in unlisted collections may be obtained from the Studbook Keeper (see p. 446).

***VICUNA** *Lama vicugna* IUCN (v)

Amsterdam Ne 3/2(3/2); Antwerp Bel 6/3(6/2); Berlin W Ge 1/1(1/1); Bremerhaven Ge 1/0; Frankfurt Ge 2/3(2/2); Hanover Ge 1/2(0/1); Lima Peru 0/1; Lodz Pol 2/1(2/1); Mallorca Sp 1/0; Munich Ge 1/1(1/1); Nuremberg Ge 1/0(1/0); Paris PZ Fr 1/0(1/0); Peking China 1/0; Rotterdam Ne 1/0(1/0); San Diego USA 1/0(1/0); Sao Leopoldo Braz 1/0; Winnipeg Can 3/3(3/3); Zurich Switz 7/5(7/5).

Total: 34/22(29/18) in 18 collections.

No data 1977: Catskill USA 3/9(3/9); Edmonton AGF Can 2/2(1/1).

Breeding loans from Halle (at Lodz) and Munich (at Hanover).

Studbook: Further details of animals in private and other unlisted collections may be obtained from the Studbook Keeper. (see p. 446).

INDIAN CHEVROTAIN or MOUSEDEER *Tragulus memina*

Ahmedabad Ind 2/1; Calcutta Ind 1/0; Colombo SL 7(b); Delhi Ind 1/1; Hyderabad Ind 1/1.

Total: 5/3/7 in 5 collections.