



INTERNATIONAL STUDBOOK
FOR
HARTMANN'S MOUNTAIN ZEBRA
Equus zebra hartmannae



1998 -2002
current until 31.12.2002
compiled by **TANYA LANGENHORST**

Published by

MARWELL PRESERVATION TRUST

Department of Conservation & Wildlife Management
Colden Common,
Winchester
Hampshire SO21 1JH
United Kingdom

Phone: +44 (0)1962 777987

Fax: +44 (0)1962 777511

<http://www.marwell.org.uk>

Compiled and edited by

Tanya Langenhorst

International Studbook Keeper

TanyaL@marwell.org.uk

Contents

Introduction	AI
Other Advisory Parties for Hartmann's Mountain Zebra	AII
Explanations	AIII
Age Pyramid Report	BI
Inbreeding Coefficient Report	BII
Institutions holding Hartmann's Mountain Zebra in 2002	CI (1-8)
Current Register of Living HMZ on 31.12.2002 – by Institution	CII (1-17)
Births during 1998-2002	DI (1-8)
Deaths during 1998-2002	DII (1-8)
Transfers during 1998-2002	DIII (1-4)
Full Historical Register of Hartmann's Mountain Zebra	E (1-64)
SPARKS Location Glossary	F (1-4)
Bibliography	G (1-3)

Introduction

This latest edition of the International Studbook for Hartmann's Mountain Zebra gives me a welcome opportunity to introduce myself as the new International Studbook Keeper for the species. I took over this position from Niki Leedell only at the beginning of 2003, and she therefore played a great part in the compilation of the data.

The Full Register for Hartmann's Mountain Zebra and Studbook for 1998 – 2002 updates the previous studbook, last published with data up to the end of 1997.

All temporary numbers have been updated to permanent ones with a very few exceptions. The remaining temporary numbers mark animals of unknown origin, and I hope to find out more about their background soon.

I would like to ask all Regional Studbook Keepers and all Registrars to add the permanent numbers to their records.

For breeding recommendations in areas without coordinators or for International exchanges please contact me. If a regional programme is in place, please contact the relevant coordinator. A list of contacts follows this introduction.

Due to system problems fecundity/mortality tables and graphs could not be produced this time.

A big thank you to everyone who has helped with updating the studbook. As the studbook contains the data of five years, we can expect mistakes and gaps in the dataset. I had a very good response to the questionnaires, and only a few institutions and some dealers have not replied. Would all institutions please check their data and inform me of any mistakes or give me any additional information they might have.

Captive Population:

The total number of Hartmann's Mountain Zebra in captivity as reported to the studbook keeper by 31st December 2002 was 168.194 (362) in 47 institutions.

An annual breakdown of births and deaths during the period of 1998-2002 is as follows:

1998:	2001:
Total births reported: 24.16.1 (41)	Total births reported: 16.13.1 (30)
Total deaths reported: 8.11.1 (20)	Total deaths reported: 12.12.1 (25)
1999:	2002:
Total births reported: 22.17.1 (40)	Total births reported: 11.20.0 (31)
Total deaths reported: 9.16.1 (26)	Total deaths reported: 13.17.0 (30)
2000:	
Total births reported: 24.23.2 (49)	
Total deaths reported: 14.14.2 (30)	

Though the population has grown by 59 animals since 1997, it seems that over the last two years birth numbers have gone down considerably. The reasons for this will have to be investigated.

Captive Breeding Programmes:

Three regions do now have coordinated breeding programmes: Europe, North America and Japan. For contacts of the relevant coordinators please see the next page.

Husbandry Guidelines:

EEP African Equids Husbandry Guidelines, edited by Ulrike Rademacher and Achim Winkler, were published by Wilhelma Zoo, Stuttgart 2000. These guidelines also contain a chapter on Mountain Zebra, and I would recommend that at least all European institutions hold a copy.

Wild Population:

The IUCN Red List of Threatened Species 2002 lists Hartmann's Mountain Zebra, *Equus zebra hartmannae*, as ENDANGERED (EN A1a, last assessed in 1996). A National census in Namibia should shed more light on the present situation. Any updates on this will be published in the next studbook. For more information I highly recommend the latest publication of the Status and Action Plans for Mountain zebra:

Novellie, P., Lindeque, M., Lindeque, P., Lloyd, P. and J. Koen (2002) Status and Action Plan for Mountain Zebra. In: Status Survey and Conservation Action Plan, Equids: Zebras, Asses and Horses (ed. P. Moehlman. IUCN, Gland, Switzerland, pp.28-42.

Once again I would like to thank everybody who replied to my questionnaires and who helped with compiling the data for this long outstanding studbook.

I will be very happy to offer assistance to anybody who holds Hartmann's Mountain Zebra or is interested in this species. I am looking forward to a good future co-operation with all involved.

TANYA LANGENHORST
INTERNATIONAL STUDBOOK KEEPER
FOR HARTMANN'S MOUNTAIN ZEBRA

THE MANAGEMENT OF HARTMANN'S MOUNTAIN ZEBRA IS ASSISTED BY:

EEP Equid TAG Chair:

Achim Winkler
Zoo Duisburg
Mülheimer Str. 273
47058 Duisburg, Germany
Phone: +49 203-30559-45; Fax: +49 203-30559-22
Winkler@zoo-duisburg.de

EEP co-ordinator:

Mr. Erich Kočner (to be confirmed)
Zoo Usti nad Labem
Drazdanska 23
400 07 Usti nad Labem, Czech Republic
Phone: +420 47 5503421; Fax: +420 47 5503451
zoo@zoousti.cz

AZA Equid TAG Chair:

Steve Shurter
The Wilds
14000 International Road
Cumberland, OH 43732-9500, USA
Phone: +1 740 6385030; Fax: +1 740 6382287
PRRSteve@hotmail.com

SSP Co-ordinator for HMZ:

David Merner
San Diego Wild Animal Park
Zool. Society of San Diego
15500 San Pasqual Valley Road
Escondido, CA 92027-9614, USA

Japanese studbook Keeper and Co-ordinator for HMZ

Minoru Nagasawa
Yumemigasaki Zoological Park
2-1 Minamikase 1. Saiwai-ku
Kawasaki-shi Kanagawa 211-0055
Phone: +81 44 5884030; Fax: +81 44 5884043
30yumemi@city.Kawasaki.jp

WILD POPULATION:

IUCN/SSC Equid Specialist Group
Equid Specialist Group (horses, asses and zebras)
Chair: Patricia Moehlman
Box 2031,
Arusha, Tanzania;
Phone: +255 27 250 7504; Fax: +255 27 254 8271
E-mail: tan.guides@yako.habari.co.tz

EEP Equid Tag Co-chair, African Equids:

Ulrike Rademacher
Wilhelma, Zoologisch Botanischer Garten Stuttgart
Postfach 50 12 27
70342 Stuttgart, Germany
Phone; +49 711-5402-133; Fax: +49 711-5402-222
Ulrike.Rademacher@wilhelma.de

North-American Studbook Keeper:

Farshid Mehrdadfar
San Diego Wild Animal Park
Zool. Society of San Diego
15500 San Pasqual Valley Road
Escondido, CA 92027-9614, USA
Phone: +1 619 747 8702; Fax: +1 619 746 7081
fmehrdadfar@sandiegozoo.org

Explanations

The studbook with a full historical listing will be published every three years. Updates of Births, Deaths and Transfers with an up-to-date list of living animals will be published yearly.

All animals registered in the studbook have been issued with a unique studbook number. Even if stillborn animals will still be entered into the database as this might prove useful for future analysis. I would urge all registrars to enter these numbers into their records.

If no information has been received for a specimen for more than eight years it will be listed as “lost to follow up” and be removed from the studbook. These animals are presumed dead at the age of 25 years. Should anybody have any information on the true history of these animals, I would greatly appreciate their assistance.

Studcards:

I will continue to send out computer print outs, instead of studcards, for all new born animals. Please could the institutions take photos of the individuals (face and right hind quarter) and affix those to the print out to ensure proper identification through the zebra’s unique stripe pattern. This zebra “passport” should always stay with the animal. This means they should be send with the zebra when it is transferred to another institution.

Dearth & Post Mortem:

Upon the animal’s death, the “passport” should be sent to the studbook keeper together with the photos and a copy of the Post Mortem report.

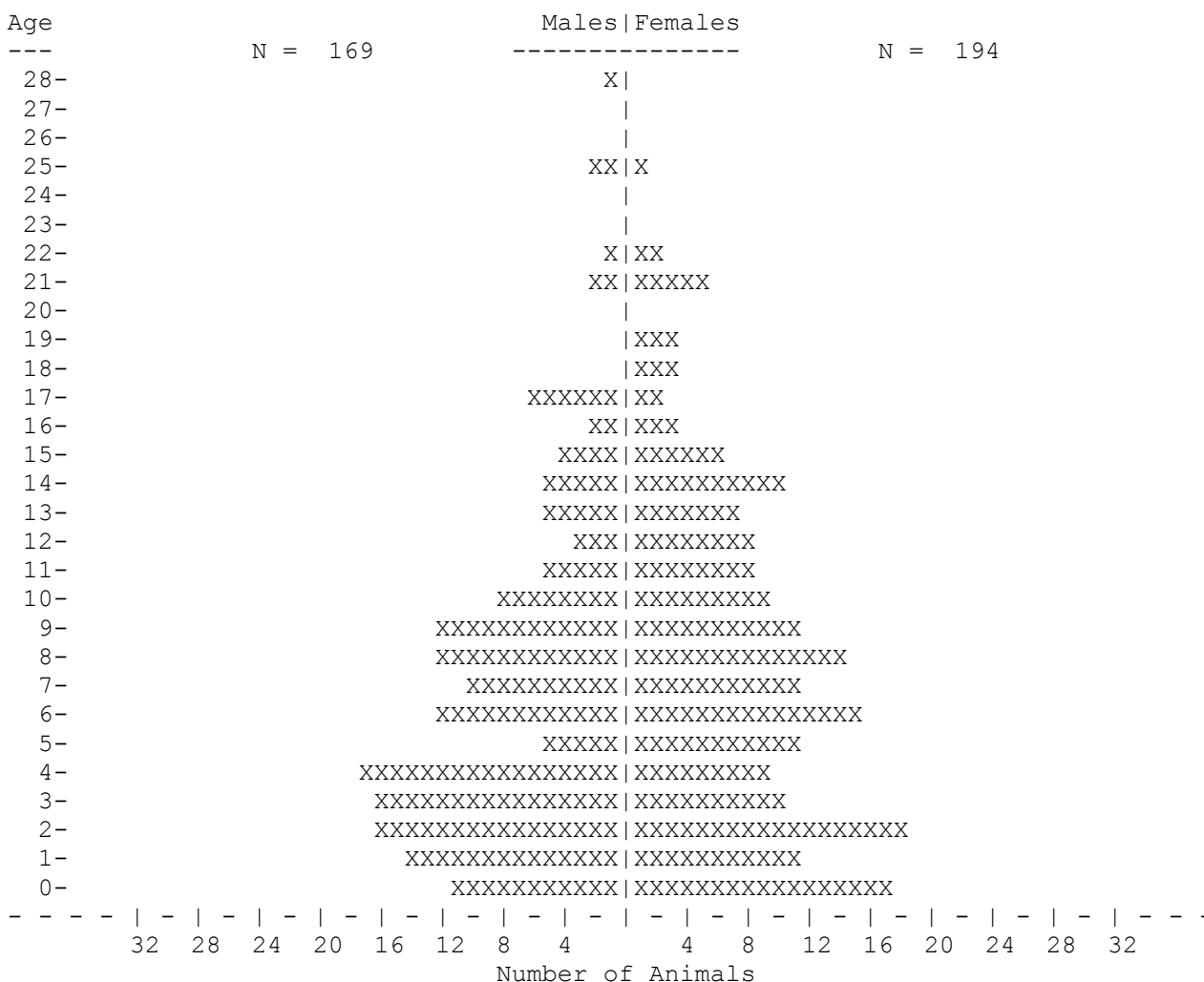
AGE PYRAMID REPORT

SECTION BI

Age Pyramid Report
HARTMANN'S MOUNTAIN ZEBRA Studbook

Status: Living on 31 Dec 2002

Taxon Name: EQUUS ZEBRA HARTMANNAE



X >>> Specimens of known sex...
? >>> Specimens of unknown sex...

INBREEDING COEFFICIENT REPORT

SECTION BII

Inbreeding Coefficient Report

HARTMANN'S MOUNTAIN ZEBRA Studbook

Dates: as of 31/12/2002

Taxon Name: EQUUS ZEBRA HARTMANNAE

Stud #	Sex	Age	Sire	Dam	Location	Death Date	Inbreeding
516	Male	28Y, 0M, 11D	186	168	JOHNSON L		0
718	Male	25Y, 1M, 19D	UNK	UNK	KAWASAKI		0
728	Female	~25Y	WILD	WILD	CNYN COLO		0
736	Male	~25Y	WILD	WILD	CNYN COLO		0
845	Male	22Y, 11M, 16D	450	470	UNKNOWN		0
854	Female	22Y, 9M, 2D	450	454	MUNICH		0
864	Female	22Y, 7M, 27D	652	654	KAMO GUN		0
917	Male	21Y, 10M, 13D	UNK	UNK	CHATHAM		0
922	Female	21Y, 8M, 24D	196	716	CNYN COLO		0
936	Male	21Y, 7M, 9D	450	642	PRIVATE		0
940	Female	21Y, 7M, 1D	526	562	USTI		0
942	Female	21Y, 6M, 17D	676	502	MADISON		0
950	Female	21Y, 2M, 3D	258	298	BERLIN TP		0
954	Female	21Y, 1M, 18D	524	348	MALLORCA		0
1012	Female	19Y, 9M, 18D	516	602	CHIBA SHI		0
1050	Female	19Y, 2M, 15D	420	406	MARWELL		0
1058	Female	19Y, 0M, 25D	468	466	DVURKRALV		0
1074	Female	18Y, 7M, 29D	450	400	BERLIN TP		0
1078	Female	18Y, 6M, 24D	196	440	CNYN COLO		0
1092	Female	18Y, 5M, 12D	700	534	USTI		0
1118	Male	17Y, 9M, 29D	736	742	CNYN COLO		0
1138	Male	17Y, 7M, 4D	516	602	BERLIN TP		0
1142	Male	17Y, 7M, 3D	424	722	SHENYANG		0.2500
1406	Male	17Y, 5M, 7D	636	222	MARWELL		0.2500
1152	Male	17Y, 4M, 29D	736	738	CNYN COLO		0
1155	Female	17Y, 4M, 21D	826	808	MARWELL		0.1875
1174	Female	17Y, 1M, 5D	UNK	UNK	MALLORCA		0
1181	Male	~17Y	WILD	WILD	TRIPOLI		0
1186	Male	16Y, 11M, 15D	324	418	TAIPEI		0
1196	Male	16Y, 9M, 5D	736	742	CNYN COLO		0
1208	Female	16Y, 6M, 27D	718	846	SHENYANG		0
1240	Female	16Y, 1M, 25D	894	672	CNYN COLO		0
1246	Female	16Y, 0M, 21D	840	734	CNYN COLO		0
1260	Female	15Y, 10M, 13D	894	952	CNYN COLO		0
1264	Female	15Y, 8M, 25D	842	436	KAMO GUN		0
1268	Male	15Y, 8M, 2D	840	728	CNYN COLO		0
1278	Male	15Y, 7M, 2D	920	392	CNYN COLO		0
1286	Female	15Y, 6M, 14D	724	646	CNYN COLO		0
1290	Female	15Y, 6M, 1D	UNK	1104	MALLORCA		0
1292	Male	15Y, 5M, 19D	920	1078	CNYN COLO		0
1282	Male	15Y, 4M, 29D	UNK	954	MALLORCA		0
1306	Female	15Y, 2M, 10D	516	242	JOHNSON L		0.1250
1312	Female	15Y, 0M, 24D	516	896	KANSASCTY		0.1250
1316	Female	14Y, 10M, 21D	UNK	478	MALLORCA		0
1318	Female	14Y, 10M, 19D	840	730	CNYN COLO		0
1320	Male	14Y, 10M, 16D	718	846	KAMO GUN		0
1322	Female	14Y, 9M, 26D	736	740	CNYN COLO		0
1330	Female	14Y, 7M, 27D	700	538	PRIVATE		0
1332	Male	14Y, 7M, 26D	736	742	CNYN COLO		0
1338	Female	14Y, 7M, 9D	840	728	CNYN COLO		0
1340	Male	14Y, 7M, 3D	724	922	CNYN COLO		0
1346	Female	14Y, 6M, 26D	516	252	LOUISVILL		0
1360	Female	14Y, 5M, 21D	936	1094	BOJNICE		0
1366	Female	14Y, 4M, 29D	936	462	DVURKRALV		0

Compiled by: Tanya Langenhorst thru Marwell Zoological Park
 Data current thru: 31 Dec 2002 International

Sparks v1.52
 2 Jun 2003

Inbreeding Coefficient Report
HARTMANN'S MOUNTAIN ZEBRA Studbook

Dates: as of 31/12/2002

Taxon Name: EQUUS ZEBRA HARTMANNAE

Stud #	Sex	Age	Sire	Dam	Location	Death Date	Inbreeding
1374	Male	14Y,2M,10D	736	738	CNYN COLO		0
1376	Female	14Y,2M,2D	516	602	JOHNSON L		0
1378	Male	14Y,1M,16D	724	392	CNYN COLO		0
*1384	Male	13Y,10M,18D	800	864	KAMO GUN		0.2500
1388	Female	13Y,9M,7D	736	740	CNYN COLO		0
1392	Female	13Y,8M,23D	840	730	CNYN COLO		0
*1394	Female	13Y,8M,17D	450	854	HOLLANDER		0.2500
1396	Female	13Y,8M,13D	924	930	MARWELL		0
1408	Female	13Y,6M,5D	840	728	CNYN COLO		0
1412	Female	13Y,5M,19D	724	646	CNYN COLO		0
1414	Female	13Y,5M,15D	1108	1156	CNYN COLO		0
1424	Male	13Y,4M,9D	724	964	CNYN COLO		0
1426	Male	13Y,4M,0D	324	418	LOUISVILL		0
1436	Male	13Y,2M,22D	516	252	MADISON		0
1435	Male	13Y,0M,18D	1222	1048	TAIPEI		0.1562
1444	Female	12Y,10M,7D	516	602	LOUISVILL		0
1448	Female	12Y,9M,7D	1054	1128	PAIGNTON		0
*1452	Male	12Y,8M,28D	450	1134	HOLLANDER		0.2500
1454	Female	12Y,8M,18D	718	846	KAWASAKI		0
1456	Male	12Y,7M,23D	842	436	NAPOLI		0
1462	Female	12Y,6M,26D	700	558	USTI		0
1470	Female	12Y,5M,10D	840	728	CNYN COLO		0
1474	Male	12Y,4M,22D	516	242	JOHNSON L		0.1250
1476	Female	12Y,4M,15D	724	922	CNYN COLO		0
1482	Female	12Y,3M,16D	1090	742	CNYN COLO		0
1484	Female	12Y,3M,11D	926	508	SANDIEGOZ		0
1490	Female	11Y,11M,23D	724	964	CNYN COLO		0
1492	Male	11Y,10M,21D	1090	1088	CNYN COLO		0
1504	Male	11Y,6M,27D	924	620	TOKYOUENO		0
*1510	Female	11Y,5M,27D	450	1134	HOLLANDER		0.2500
1508	Male	11Y,5M,24D	726	392	CNYN COLO		0
1512	Male	11Y,5M,18D	840	1322	CNYN COLO		0
1516	Female	11Y,5M,3D	718	846	TOKYOUENO		0
1524	Female	11Y,3M,19D	724	716	CNYN COLO		0
1526	Female	11Y,3M,8D	1090	742	CNYN COLO		0
1532	Female	11Y,2M,16D	840	730	CNYN COLO		0
1530	Female	11Y,2M,16D	840	734	CNYN COLO		0
1534	Female	11Y,1M,24D	1138	950	WROCLAW		0
*1540	Male	11Y,0M,21D	698	1082	PLOCK		0.2500
1544	Female	10Y,11M,7D	516	896	SD-WAP		0.1250
1548	Male	10Y,10M,26D	736	738	CNYN COLO		0
1552	Female	10Y,10M,13D	724	964	CNYN COLO		0
1554	Female	10Y,8M,30D	698	1092	SIGEAN		0.0625
1562	Male	10Y,7M,10D	1090	1386	CNYN COLO		0
1564	Male	10Y,7M,5D	736	1318	CNYN COLO		0
1566	Male	10Y,6M,8D	1090	1088	CNYN COLO		0
T504	Female	~10Y	UNK	UNK	BAYRAMOGL		0
1576	Female	10Y,4M,19D	924	929	MARWELL		0
1578	Male	10Y,4M,16D	1090	740	CNYN COLO		0
1580	Female	10Y,3M,26D	1170	1038	SIGEAN		0
1584	Female	10Y,3M,19D	1054	1128	PAIGNTON		0
1586	Female	10Y,3M,8D	1090	742	CNYN COLO		0
1587	Male	10Y,2M,16D	926	942	KANSASCTY		0.1250
1588	Male	10Y,2M,15D	724	922	CNYN COLO		0

Compiled by: Tanya Langenhorst thru Marwell Zoological Park
Data current thru: 31 Dec 2002 International

Sparks v1.52
2 Jun 2003

Inbreeding Coefficient Report
HARTMANN'S MOUNTAIN ZEBRA Studbook

Dates: as of 31/12/2002

=====
Taxon Name: EQUUS ZEBRA HARTMANNAE
=====

Stud #	Sex	Age	Sire	Dam	Location	Death Date	Inbreeding
1590	Male	10Y,2M,9D	886	1286	CNYN COLO		0
*1591	Female	10Y,2M,3D	800	864	KAMO GUN		0.2500
1592	Male	9Y,11M,3D	736	1338	CNYN COLO		0
1595	Female	9Y,10M,21D	700	1082	OPOLE		0.1875
1594	Male	9Y,10M,21D	1138	950	DVURKRALV		0
1602	Female	9Y,9M,25D	718	846	HITACHI		0
1598	Male	9Y,9M,25D	840	1322	CNYN COLO		0
1604	Male	9Y,9M,19D	840	728	CNYN COLO		0
1606	Male	9Y,9M,8D	724	716	CNYN COLO		0
1609	Female	9Y,8M,23D	1170	1428	BLACKPOOL		0
1610	Female	9Y,8M,22D	886	1352	CNYN COLO		0
1612	Male	9Y,8M,18D	840	730	CNYN COLO		0
1616	Male	9Y,8M,7D	736	738	CNYN COLO		0
1618	Female	9Y,7M,19D	516	242	SD-WAP		0.1250
1622	Male	9Y,6M,2D	736	1318	CNYN COLO		0
1624	Male	9Y,5M,17D	1342	1414	CNYN COLO		0
1628	Male	9Y,5M,9D	1342	1482	CNYN COLO		0
*1629	Female	9Y,5M,2D	476	848	ROSTOV		0.2500
1630	Female	9Y,4M,20D	726	1392	CNYN COLO		0
1631	Male	9Y,4M,5D	1320	1012	HITACHI		0
1632	Male	9Y,3M,29D	1090	740	CNYN COLO		0
1634	Female	9Y,3M,25D	1206	1116	BERLINZOO		0.1875
1636	Female	9Y,3M,3D	886	1480	CNYN COLO		0
1635	Female	9Y,3M,3D	1090	742	CNYN COLO		0
1640	Female	9Y,0M,27D	1170	462	PLOCK		0
1642	Female	8Y,11M,27D	1282	UNK	MALLORCA		0
1650	Male	8Y,10M,25D	936	1462	SIGEAN		0
1652	Male	8Y,10M,5D	1170	1366	SIGEAN		0
1654	Female	8Y,9M,29D	1170	1364	DVURKRALV		0
*1660	Male	8Y,8M,26D	736	1496	CNYN COLO		0.2500
1662	Female	8Y,8M,24D	936	1082	ALMA-ATA		0
1664	Female	8Y,8M,19D	840	1322	CNYN COLO		0
1666	Male	8Y,8M,17D	1138	1074	USTI		0
*1668	Male	8Y,8M,15D	450	1134	SCHMIDING		0.2500
1670	Female	8Y,8M,12D	450	998	SCHMIDING		0
*1675	Male	8Y,7M,24D	1244	1058	DVURKRALV		0.2500
1677	Female	8Y,7M,14D	1244	1360	DVURKRALV		0.0625
1680	Female	8Y,7M,13D	1090	1388	CNYN COLO		0.1250
*1682	Female	8Y,7M,11D	800	864	HIGASHI M		0.2500
1686	Female	8Y,7M,1D	736	738	CNYN COLO		0
1688	Female	8Y,7M,1D	840	728	CNYN COLO		0
1692	Male	8Y,6M,18D	886	1286	CNYN COLO		0
1694	Male	8Y,6M,13D	926	942	JOHNSON L		0.1250
1696	Female	8Y,6M,11D	936	1114	NORDHORN		0
1698	Female	8Y,6M,7D	886	1352	CNYN COLO		0
1704	Female	8Y,4M,12D	1090	1088	CNYN COLO		0
*1706	Male	8Y,3M,29D	1090	1526	CNYN COLO		0.2500
1712	Female	8Y,3M,19D	1206	1116	BERLINZOO		0.1875
1713	Male	8Y,3M,9D	1204	1428	DVURKRALV		0
1718	Male	8Y,2M,3D	724	922	CNYN COLO		0
1720	Male	8Y,0M,5D	1426	1346	JOHNSON L		0
1724	Male	7Y,10M,24D	1204	1038	LAUBE Z		0
1726	Female	7Y,9M,28D	936	1462	HERBERSTN		0
1730	Male	7Y,9M,18D	1320	1012	HIGASHI M		0

Compiled by: Tanya Langenhorst thru Marwell Zoological Park
Data current thru: 31 Dec 2002 International

Sparks v1.52
2 Jun 2003

Inbreeding Coefficient Report
HARTMANN'S MOUNTAIN ZEBRA Studbook

Dates: as of 31/12/2002

=====
Taxon Name: EQUUS ZEBRA HARTMANNAE
=====

Stud #	Sex	Age	Sire	Dam	Location	Death Date	Inbreeding
1732	Female	7Y, 9M, 8D	1196	1482	CNYN COLO		0.1875
1734	Female	7Y, 9M, 0D	724	1530	CNYN COLO		0
1740	Male	7Y, 7M, 19D	1424	1532	CNYN COLO		0
1742	Male	7Y, 7M, 10D	1138	1074	MARWELL		0
1754	Female	7Y, 6M, 27D	718	846	HIGASHI M		0
1756	Male	7Y, 6M, 22D	1170	1366	BOJNICE		0
1758	Male	7Y, 6M, 17D	1090	1386	CNYN COLO		0
1760	Female	7Y, 6M, 16D	1138	950	BERLIN TP		0
*1762	Female	7Y, 6M, 13D	718	1454	FUKUYAMA		0.2500
1770	Female	7Y, 5M, 4D	840	1322	CNYN COLO		0
1772	Male	7Y, 5M, 1D	1152	1476	CNYN COLO		0
1774	Male	7Y, 4M, 12D	1466	1392	CNYN COLO		0
1776	Female	7Y, 2M, 30D	1054	929	MARWELL		0
1778	Female	7Y, 2M, 27D	1196	1414	CNYN COLO		0.0625
1780	Female	7Y, 2M, 1D	1416	742	CNYN COLO		0
1782	Male	7Y, 1M, 17D	1374	730	CNYN COLO		0
1784	Female	7Y, 0M, 29D	1152	1246	CNYN COLO		0
1786	Male	7Y, 0M, 28D	1152	1078	CNYN COLO		0
1788	Female	6Y, 11M, 4D	936	1542	USTI		0
1790	Male	6Y, 11M, 0D	1416	1388	CNYN COLO		0
1792	Female	6Y, 10M, 18D	1416	1526	CNYN COLO		0
1794	Female	6Y, 10M, 13D	1374	1338	CNYN COLO		0
1796	Female	6Y, 10M, 13D	1374	1470	CNYN COLO		0
1798	Female	6Y, 10M, 6D	936	1082	USTI		0
1800	Male	6Y, 10M, 3D	1374	1496	CNYN COLO		0.1250
1802	Female	6Y, 10M, 2D	736	1318	CNYN COLO		0
1804	Male	6Y, 9M, 25D	1152	964	CNYN COLO		0
1810	Female	6Y, 8M, 25D	1278	1408	CNYN COLO		0
1812	Female	6Y, 8M, 18D	1416	1586	CNYN COLO		0
1816	Female	6Y, 8M, 14D	724	922	CNYN COLO		0
1820	Male	6Y, 7M, 15D	840	728	CNYN COLO		0
1822	Male	6Y, 7M, 12D	1416	740	CNYN COLO		0
1824	Male	6Y, 7M, 8D	1196	1482	CNYN COLO		0.1875
1826	Male	6Y, 6M, 22D	1466	1552	CNYN COLO		0
1834	Female	6Y, 6M, 2D	1214	1490	CNYN COLO		0
1838	Female	6Y, 5M, 26D	1426	1444	WILDS		0
1840	Female	6Y, 5M, 9D	1138	950	BERLIN TP		0
1842	Male	6Y, 5M, 8D	1214	1260	CNYN COLO		0
1848	Male	6Y, 4M, 10D	1426	1346	ROANOKE		0
1849	Female	6Y, 3M, 20D	516	242	SD-WAP		0.1250
1850	Male	6Y, 3M, 14D	840	738	CNYN COLO		0
1852	Female	6Y, 2M, 10D	1152	1476	CNYN COLO		0
1856	Male	6Y, 1M, 27D	936	1462	WROCLAW		0
1858	Female	6Y, 1M, 18D	936	1330	USTI		0
1860	Male	6Y, 0M, 17D	1152	1246	CNYN COLO		0
1862	Female	5Y, 8M, 28D	1152	1078	CNYN COLO		0
1866	Female	5Y, 8M, 23D	1278	1532	CNYN COLO		0
1868	Female	5Y, 7M, 12D	936	940	USTI		0
1870	Female	5Y, 7M, 5D	1466	1392	CNYN COLO		0
1872	Female	5Y, 6M, 21D	1356	854	MUNICH		0
1876	Male	5Y, 6M, 15D	1356	1134	GRONAU		0
1880	Female	5Y, 6M, 1D	1278	1240	CNYN COLO		0.0625
1882	Male	5Y, 5M, 19D	724	1530	CNYN COLO		0
1884	Female	5Y, 5M, 19D	1196	1482	CNYN COLO		0.1875

Compiled by: Tanya Langenhorst thru Marwell Zoological Park
Data current thru: 31 Dec 2002 International

Sparks v1.52
2 Jun 2003

Inbreeding Coefficient Report
HARTMANN'S MOUNTAIN ZEBRA Studbook

Dates: as of 31/12/2002

=====
Taxon Name: EQUUS ZEBRA HARTMANNAE
=====

Stud #	Sex	Age	Sire	Dam	Location	Death Date	Inbreeding
*1888	Female	5Y, 4M, 29D	1594	1534	WROCLAW		0.2500
1892	Male	5Y, 4M, 16D	1054	929	FUKUYAMA		0
1896	Male	5Y, 4M, 5D	1214	1286	CNYN COLO		0
1898	Female	5Y, 2M, 12D	1424	1526	CNYN COLO		0
1900	Female	5Y, 2M, 8D	1138	1116	BERLINZOO		0
1902	Male	5Y, 1M, 6D	1138	1074	OPOLE		0
*1908	Female	5Y, 0M, 18D	1608	1544	SD-WAP		0.3125
1916	Male	4Y, 9M, 29D	1138	950	STREICHER		0
1934	Female	4Y, 8M, 3D	1090	1688	CNYN COLO		0
1932	Male	4Y, 8M, 3D	1424	922	CNYN COLO		0.0625
1936	Male	4Y, 8M, 2D	1152	1476	CNYN COLO		0
1942	Male	4Y, 7M, 22D	1196	1318	CNYN COLO		0
1944	Female	4Y, 7M, 22D	1374	1496	CNYN COLO		0.1250
1946	Female	4Y, 7M, 19D	1196	1414	CNYN COLO		0.0625
1948	Female	4Y, 7M, 14D	1152	964	CNYN COLO		0
1950	Female	4Y, 7M, 10D	1152	952	CNYN COLO		0
1952	Female	4Y, 7M, 10D	1278	1408	CNYN COLO		0
1954	Male	4Y, 7M, 9D	1090	1322	CNYN COLO		0.1250
1956	Male	4Y, 7M, 5D	1196	1552	CNYN COLO		0
1958	Male	4Y, 6M, 30D	1374	1470	CNYN COLO		0
1960	Male	4Y, 6M, 29D	1214	1412	CNYN COLO		0
1964	Male	4Y, 6M, 17D	1652	848	SIGEAN		0
1966	Male	4Y, 5M, 28D	840	738	CNYN COLO		0
1968	Male	4Y, 5M, 23D	1196	1686	CNYN COLO		0.1250
1970	Male	4Y, 5M, 21D	1374	1680	CNYN COLO		0.1875
1972	Female	4Y, 5M, 11D	1332	1636	CNYN COLO		0
1976	Female	4Y, 3M, 22D	1631	1602	HITACHI		0.1250
1978	Male	4Y, 3M, 16D	1424	1635	CNYN COLO		0
1980	Male	4Y, 3M, 15D	1374	742	CNYN COLO		0
1982	Male	4Y, 2M, 7D	1282	UNK	MALLORCA		0
1984	Male	4Y, 1M, 30D	1572	1586	CNYN COLO		0
1986	Male	4Y, 1M, 21D	1204	1654	LAUBE Z		0
1988	Female	4Y, 1M, 20D	1170	1366	DVURKRALV		0
1992	Male	3Y, 11M, 23D	1138	1074	STREICHER		0
2000	Male	3Y, 9M, 8D	1204	1360	ALMA-ATA		0
2002	Male	3Y, 9M, 6D	1204	1677	LAUBE Z		0
*2006	Male	3Y, 8M, 29D	1170	1640	NORDHORN		0.3125
2008	Male	3Y, 8M, 7D	1374	742	CNYN COLO		0
2010	Female	3Y, 8M, 6D	1572	1664	CNYN COLO		0.0625
2012	Female	3Y, 7M, 29D	1196	1688	CNYN COLO		0
2014	Female	3Y, 7M, 27D	1204	1677	DVURKRALV		0
2016	Female	3Y, 7M, 24D	1424	1704	CNYN COLO		0
2020	Male	3Y, 7M, 10D	1512	1240	CNYN COLO		0
2022	Male	3Y, 7M, 8D	1374	1734	CNYN COLO		0
2028	Female	3Y, 6M, 16D	1332	1610	CNYN COLO		0.0625
2030	Male	3Y, 6M, 13D	1424	1732	CNYN COLO		0
2032	Male	3Y, 6M, 11D	1616	1780	CNYN COLO		0
2036	Male	3Y, 5M, 28D	1196	1414	CNYN COLO		0.0625
2034	Female	3Y, 5M, 28D	1572	1552	CNYN COLO		0
2040	Male	3Y, 5M, 27D	1374	1680	CNYN COLO		0.1875
*2038	Male	3Y, 5M, 27D	1374	1686	CNYN COLO		0.2500
2044	Male	3Y, 5M, 18D	1424	1524	CNYN COLO		0.1250
2050	Male	3Y, 5M, 4D	1508	1770	CNYN COLO		0
2054	Female	3Y, 4M, 29D	1196	1392	CNYN COLO		0

Compiled by: Tanya Langenhorst thru Marwell Zoological Park
Data current thru: 31 Dec 2002 International

Sparks v1.52
2 Jun 2003

Inbreeding Coefficient Report
HARTMANN'S MOUNTAIN ZEBRA Studbook

Dates: as of 31/12/2002

=====
Taxon Name: EQUUS ZEBRA HARTMANNAE
=====

Stud #	Sex	Age	Sire	Dam	Location	Death Date	Inbreeding
2052	Male	3Y,4M,29D	1332	1412	CNYN COLO		0
2056	Female	3Y,4M,21D	1118	1490	CNYN COLO		0
2058	Female	3Y,4M,18D	1118	1636	CNYN COLO		0
2062	Female	3Y,1M,7D	1666	1082	NORDHORN		0
2066	Male	3Y,1M,5D	1631	1602	HITACHI		0.1250
2074	Male	2Y,11M,20D	1138	950	BODE W		0
2080	Male	2Y,9M,8D	1164	1388	CNYN COLO		0
2082	Male	2Y,9M,5D	1508	1530	CNYN COLO		0
2084	Male	2Y,9M,4D	1138	1074	BODE W		0
2086	Female	2Y,8M,21D	1278	1664	CNYN COLO		0
2088	Female	2Y,8M,15D	1196	1482	CNYN COLO		0.1875
2092	Female	2Y,8M,8D	1548	1318	CNYN COLO		0
*2090	Male	2Y,8M,8D	1594	1534	WROCLAW		0.2500
2094	Male	2Y,8M,5D	1118	1412	CNYN COLO		0
2100	Male	2Y,7M,27D	1278	1408	CNYN COLO		0
2106	Female	2Y,7M,10D	1508	1688	CNYN COLO		0
2108	Female	2Y,7M,10D	1572	1704	CNYN COLO		0.0937
2110	Female	2Y,7M,8D	1564	1734	CNYN COLO		0.0312
2116	Male	2Y,6M,30D	1548	1778	CNYN COLO		0.0937
2118	Male	2Y,6M,27D	1756	1360	BOJNICE		0.0937
2122	Female	2Y,6M,25D	1164	1794	CNYN COLO		0
2124	Female	2Y,6M,19D	1204	1654	DVURKRALV		0
2126	Female	2Y,6M,15D	1282	UNK	MALLORCA		0
2128	Male	2Y,6M,12D	1598	964	CNYN COLO		0
2130	Female	2Y,6M,10D	1196	1802	CNYN COLO		0.1250
2132	Female	2Y,6M,9D	1508	1796	CNYN COLO		0
2138	Female	2Y,5M,29D	1118	1286	CNYN COLO		0
2136	Male	2Y,5M,29D	1436	942	SD-WAP		0
2140	Female	2Y,5M,26D	1548	740	CNYN COLO		0
2142	Male	2Y,5M,22D	1196	1812	CNYN COLO		0.0937
2144	Male	2Y,5M,12D	1572	1810	CNYN COLO		0.0312
2146	Female	2Y,5M,8D	1432	1838	WILDS		0.0234
2148	Male	2Y,4M,28D	1512	1852	CNYN COLO		0.0312
2152	Female	2Y,4M,16D	1374	1322	CNYN COLO		0.1250
2154	Male	2Y,4M,6D	1562	1834	CNYN COLO		0
2156	Male	2Y,3M,29D	1652	848	HERBERSTN		0
2158	Female	2Y,3M,23D	1332	1830	CNYN COLO		0.1250
2160	Female	2Y,3M,21D	1282	UNK	MALLORCA		0
2164	Female	2Y,3M,10D	1426	1444	LOUISVILL		0
3000	Male	1Y,11M,15D	1650	1554	SIGEAN		0.0781
3002	Male	1Y,11M,0D	1632	1686	CNYN COLO		0.1250
3004	Male	1Y,10M,3D	1572	1688	CNYN COLO		0.0625
3006	Female	1Y,9M,26D	1332	1698	CNYN COLO		0.0625
*3008	Female	1Y,9M,23D	1823	1544	SD-WAP		0.3125
3010	Male	1Y,9M,20D	1616	1780	CNYN COLO		0
3018	Female	1Y,9M,3D	1666	1462	USTI		0
*3032	Female	1Y,8M,7D	1572	1630	CNYN COLO		0.2500
3033	Female	1Y,8M,4D	1606	1812	CNYN COLO		0.0937
3038	Male	1Y,7M,23D	1548	1388	CNYN COLO		0.1250
3040	Female	1Y,7M,18D	1548	1586	CNYN COLO		0.1250
3044	Female	1Y,7M,11D	1196	1318	CNYN COLO		0
3046	Male	1Y,7M,8D	1278	1664	CNYN COLO		0
3048	Male	1Y,7M,8D	1628	1680	CNYN COLO		0.0781
3052	Male	1Y,6M,30D	1666	1798	USTI		0.0546

Compiled by: Tanya Langenhorst thru Marwell Zoological Park
Data current thru: 31 Dec 2002 International

Sparks v1.52
2 Jun 2003

Inbreeding Coefficient Report
HARTMANN'S MOUNTAIN ZEBRA Studbook

Dates: as of 31/12/2002

=====
Taxon Name: EQUUS ZEBRA HARTMANNAE
=====

Stud #	Sex	Age	Sire	Dam	Location	Death Date	Inbreeding
3054	Male	1Y,6M,29D	1138	1074	BODE W		0
3058	Male	1Y,6M,28D	1374	1338	CNYN COLO		0
3062	Female	1Y,6M,18D	1572	1816	CNYN COLO		0
3072	Female	1Y,5M,20D	1508	1530	CNYN COLO		0
3080	Male	1Y,5M,2D	1562	1792	CNYN COLO		0.0625
3100	Male	1Y,4M,10D	1262	1334	BLACKPOOL		0
3110	Female	1Y,3M,16D	1548	1796	CNYN COLO		0.1250
3120	Male	1Y,2M,25D	1612	1794	CNYN COLO		0.0625
3130	Female	1Y,1M,21D	1118	1636	CNYN COLO		0
3138	Male	1Y,1M,5D	1424	1635	CNYN COLO		0
3500	Female	11M,28D	1604	1884	CNYN COLO		0
3510	Male	10M,24D	1666	1788	USTI		0.0546
3514	Female	10M,20D	1666	1858	USTI		0.0546
3524	Female	10M,1D	1320	1264	KAMO GUN		0
3528	Male	9M,26D	1632	1686	CNYN COLO		0.1250
3534	Male	9M,17D	1692	922	CNYN COLO		0
3540	Female	9M,10D	1118	1972	CNYN COLO		0.1250
3550	Female	8M,26D	1666	1092	USTI		0
3558	Male	8M,12D	1504	1370	TOKYOUENO		0
3560	Female	8M,12D	1588	1688	CNYN COLO		0
3562	Female	8M,9D	1624	1810	CNYN COLO		0
3564	Female	8M,7D	1118	1286	CNYN COLO		0
3574	Female	7M,22D	1902	1595	OPOLE		0
3576	Female	7M,18D	1262	1726	HERBERSTN		0.0976
3578	Female	7M,17D	1512	1852	CNYN COLO		0.0312
3580	Female	7M,17D	1564	1734	CNYN COLO		0.0312
3584	Female	7M,10D	1598	1802	CNYN COLO		0.1250
3586	Male	7M,8D	1278	1664	CNYN COLO		0
3592	Female	6M,30D	1742	1448	PAIGNTON		0
3594	Male	6M,28D	1598	1704	CNYN COLO		0.0312
3596	Male	6M,26D	1598	1816	CNYN COLO		0
*3600	Female	6M,12D	1608	1544	SD-WAP		0.3125
3604	Female	6M,6D	1756	1360	BOJNICE		0.0937
3606	Male	6M,6D	1874	854	MUNICH		0
3612	Male	5M,30D	1740	1880	CNYN COLO		0
3616	Male	5M,24D	1824	1866	CNYN COLO		0
3626	Male	5M,2D	1740	1862	CNYN COLO		0.0312
3650	Female	11D	1332	1698	CNYN COLO		0.0625

Specimens listed in birth date order.

167 Unknown parents treated as founders.

Parent IDs shown as ?'s are unknown and therefore treated as founders.

*** These animals are already very inbred and further inbreeding should therefore be avoided by all means.**

**INSTITUTION HOLDING HARTMANN'S MOUNTAIN ZEBRA
IN 2002**

BY INSTITUTION

SECTION CI

Institutions holding Hartmann's Mountain Zebra during 2002

EUROPE

AUSTRIA

HAAG

Tierpark Stadt Haag
Verwaltung Stadtgemeinde Haag
Sparkassenstrasse 3
3350 Stadt Haag

AUSTRIA

Phone: +43 7434 42423; Fax: +43 7434 4242321
Felicitas Lainerberger; e-mail: felicitas.lainerberger@haag.gv.at

HERBERSTN

Herberstein Tier- und Naturpark
Schloss Herberstein OEG
8222 St Johann bei Herberstein

AUSTRIA

Phone: +43 3176 8825; Fax: +43 3176 877520
Mr Andreas Kaufmann e-mail: andreas.kaufmann@herberstein.co.at

EAZA, ISIS

SCHMIDING

Zoologischer Garten (Vogelpark) Schmiding
Realia Liegenschaftsservice Ges.m.b.H.
Schmiding 19
4631 Krenglbach

AUSTRIA

Phone: +43 7249 46272; Fax: +43 7249 46566
Mag. Daniela Artmann; email: zooschmiding@i-one.at

EAZA

STREICHER

Tier- und Wildgehege Kolopfern (Streicher)
Pichl 71
4850 Puchkirchen am Trattberg

AUSTRIA

Phone: +43 (0)664 2217538; Fax: +43 7682 7523
Herr Josef Streicher

BELGIUM

HOLLANDER

Mr N. D'Hollander
Gentstraat 49
911 Belsele

BELGIUM

Phone: 0032 37725871

No reply to questionnaire

CZECH REPUBLIC

DVURKRALV

Vychodoceska Zoologická Zahrada Ve Dvore Kralove n.L.,
CZECH REPUBLIC

Phone: +420 437 829515; Fax: +420 437 820564
Mr. Ludek Culik; zoologie@zoodk.cz

EAZA, ISIS

LAUBE Z (dealer)
Farma Aves
Kosice 12
Nepomerice u Kutne Hory 285 11
CZECH REPUBLIC
Mr. Zbynek Laube

USTI
Zoologická Záhřada Ústí nad Labem
Drážd'anská 23
400 07 Ústí nad Labem
CZECH REPUBLIC
Phone: +420 4755 03421; Fax: +420 4755 03451
Mgr. Erich Kočner, EEP Coordinator e-mail: zoo@zoousti.cz

EAZA, ISIS

FRANCE
SIGEAN
Reserve Africaine de Sigean,
Route Nationale 9,
11130 Sigean,
FRANCE
Phone: +33 46 8482020; Fax: +33 46 8488085
Marianne Bilbaut; ra.sigean@wanadoo.fr

EAZA

GERMANY
BERLIN TP
Tierpark Berlin-Friedrichsfelde GmbH,
Am Tierpark 125,
10307 Berlin,
GERMANY
Phone: +49 30 515310; Fax: +49 30 5124061
Dipl.-Biol. Claus Pohle;

EAZA, ISIS

BERLINZOO
Zoologischer Garten und Aquarium Berlin,
Hardenbergplatz 8,
10787 Berlin 30,
GERMANY
Phone: +49 30 254010; Fax: +49 30 25401255
Dr. R. Kühne; zoo-berlin@snaflu.de

EAZA, ISIS

BODE W (dealer)
Werner Bode Zoo Animals,
Zum Herrenfehn 3,
48455 Bad Bentheim,
Germany;
Phone: +49 59248227; Fax: +49 59248274

No reply to questionnaire

GRONAU
Tierpark Gronau
Konrad-Adenauer-Str.1
4432 Gronau
GERMANY

No reply to questionnaire

MUNICH
Münchener Tierpark Hellabrunn
Siebenbrunnstr. 6
81543 München
GERMANY
Phone: 0049 89 6250816; Fax: 0049 89 6250832
Frau Beatrix Rau; e-mail: rau@zoo-munich.de

EAZA, ISIS

NORDHORN
Tierpark Nordhorn
Hesepfer Weg 140
48531 Nordhorn
GERMANY
Phone: +49 5921 32397; Fax: +49 521 330128
Dr. Heike Weber; e-mail: info@zoo.nordhorn.de OR weber@tierpark-nordhorn.de

EAZA, ISIS

ITALY

NAPOLI
Giardino Zoologico di Napoli
Viale Kennedy, 70 (Zona mostra d'Oltremare)
80125 Napoli
ITALY
Phone: +39 81 2395943; Fax: +39 81 8535821
Mrs. Claire Wenner; e-mail: Gattimatti@44gatti.it

No reply to questionnaire

ROMA
Bioparco S.P.A.,
Giardino Zoologico E Museo Di Zoologia Del Comune Di Roma,
Viale Giardino Zoologico 20,
00191 Roma
ITALY
Phone: +39 63608211; Fax: +39 63207398
Mr. Yitzhak Yadid; yitzhak.yadid@bioparco.it

EAZA, ISIS

KAZAKHSTAN

ALMA-ATA
Almaty Zoo
Esenberlina 166
480007 Almaty
KAZAKHSTAN
Phone: +7 3272 913719; Fax: +7 3272 913732
Zhazyra Adamina ; Tair@nursat.kz

EAZA, ISIS

POLAND

OPOLE
Miejski Zoologiczny Opole
U1.Spacerowa 10
45-094 Opole
POLAND
Phone: +48 77 4564267; Fax: +48 77 4564264
Krzysztof Kazanowski; e-mail: zooopole@miramex.com.pl OR kazan@skrzynka.pl

EAZA, ISIS

PLOCK ZOO
Miejski Ogród Zoologiczny
Ul. Norbertanska 2
09-402 Plock
POLAND
Phone: +48 24 366-05-11; Fax: +48 24 366-05-13
Mgr. Ing Krzysztof Keman; e-mail: anzoopl@softhard.com.pl

EAZA, ISIS

WROCLAW
Miejski Ogród Zoologiczny
1. Wróblewskiego 1
51-618 Wroclaw
POLAND
Phone: +48 71 3483024; Fax: +48 71 3483768
Ewa Piasecka, MA.; e-mail: lutr@zoo.wroc.pl

EAZA, ISIS

RUSSIA
ROSTOV
Rostov-on-Don Zoo
Zoologicheskaya ul. 3, Rostov-na-Don 344039
RUSSIA
Phone:
Marina Poltavskaja; zoo@don.sitek.net

SLOVAK REPUBLIC
BOJNICE
Zoologická Záhrada Bojnice
Zamok a Okolie 6
972 01 Bojnice
SLOVAK REPUBLIC
Phone: +421 862 540 2975; Fax: +421 862 540 3241
Eva Gregorová; e-mail: zooboj@isternet.sk

EAZA, ISIS

SPAIN
MALLORCA
Safari-Zoo Mentz S.A.
Apdo. 20
07680 Porto Cristo
Mallorca, Balears
SPAIN
Phone: +34 71 810909; Fax: +34 71 810484
Mr Siegfried P Mentz

No reply to questionnaire

TURKEY
BAYRAMOGL
Bosphorus Zoo
Boğaziçi Hayvanat Bahçesi
Tuzla Yolu Cad.No. 15 Darica-Gebzet
Baryramoglu
Darica, Izmit 41870
TURKEY
Phone: +90 262 6531374; Fax: +90 262 6534664
Ms Aydan Tekin; bosphoruszoo@bosphoruszoo.com

EAZA, ISIS

UNITED KINGDOM**BLACKPOOL**

Blackpool Zoo Park
East Park Drive, Stanley Park
FY3 8PP Blackpool, Lancashire
UK

Phone: +44 1253 830830; +44 1253 830800

Iain Valentine; e-mail: Zookeeper@blackpool-zoo.freeserve.co.uk

EAZA, ISIS

MARWELL

Marwell Zoological Park,
Colden Common
Nr Winchester, SO21 1JH
U.K.

Phone: +44 1962 777407; Fax: +44 1962 777511

Ms. Tanya Langenhorst; tanyaL@marwell.org.uk

Intl. Studbook keeper for Hartmann's mountain zebra

EAZA, ISIS

PAIGNTON

Paignton Zoological & Botanical Gardens
Totnes Road
Paignton TQ4 7EU
U.K.

Tel: +44 1803 697521; Fax: +44 1803 523457

Mr Neil Bemment ; e-mail: nbemment@paigntonzoo.org.uk

EAZA, ISIS

AFRICA**LYBIA****TRIPOLI**

Nsar Forest Tripoli Zoo
PO Box 83954
Tripoli
LYBIA
Dr Abdalfatah M. Husni

No reply to questionnaire

ASIA**CHINA****SHENYANG**

Shenyang Zoological Gardens
D.V.M. Xu Dianju
No.1 Wan Quan Str.
Da Dang District
Shenyang, Liaoning
REPUBLIC OF CHINA

No reply to questionnaire

JAPAN**CHIBA SHI**

Chiba Zoological Park,
280 Minamoto-cho, Wakaba-Ku
Chiba, 264-0037

JAPAN

Phone: +81 43 252-1111; Fax: +81 43 255 7116

Kazuhito Matsumoto; e-mail: shiiku.zoo@city.chiba.jp

FUKUYAMA

Fukuyama Municipal Zoo
Fukuda 276-1, Ashida-cho
Fukuyama-City, Hiroshima 720-1264
JAPAN
Phone: +81 84 9583200; Fax: +81 84 9583022
Tetsuya Urabe; e-mail: fuku.zoo@rapid.ocn.jp

HIGASHI M

Saitama Children's Zoo
554 Iwadono
Higashi-Matsuyama-shi
Saitama
JAPAN
Phone: +81 493 351234; Fax: +81 493 350248
Akie Mita; e-mail: sczoo@aya.or.jp

ISIS

HITACHI

Hitachi Kamine Zoological Park
5-2-22 Miyata-cho
Hitachi
Ibaragi-pref
JAPAN
Phone: +81 294 225586; Fax: +81 294 225596
Haruhisa Masatou; e-mail: kaminezoo@jsdi.or.jp

KAMO GUN

Walking Safari Izu Bio Park,
Inatori 3344,
Kamo-gun, Shizuoka,
JAPAN
Phone: +81 557-95-3535; Fax: +81 557-95-3970

KAWASAKI

Yumemigasaki Zoological Park
2-1 Minamikase 1,
Saiwai-Ku
Kawasaki-shi Kanagawa
JAPAN
Phone: +81 44 588 4030; Fax: +81 44 588 4043
Minoru Nagasawa; e-mail: 30yumemi@city-kawasaki.jp ,
Japanese studbook keeper for Hartmann's mountain zebra

TOKYOUENO

Ueno Zoological Gardens
Ueno Park 9-83,
Taito-ku
Tokyo 110-1187
JAPAN
Phone: +81 3 3828 5171; Fax: +81 3 3821 2493
Mitsuhiro Terada; ueno-zoo@crux.ocn.ne.jp

ISIS

TAIWAN

TAIPEI

Taipei Zoo,
30 Hsin-Kuang Road Sec. 2,
Taipei

TAIWAN 11628

Phone: +886 2 9382300; Fax: +886 2 9382316

Chien-Jen Yang; Dwx05@zoo.gov.tw

No reply to questionnaire

NORTH AMERICA**USA**

Grindstone Valley Zoo,

CHATHAM

Rt. 1, Box 290,
Chatham IL 62629,

USA

Phone: +1 217-483-3410

CNYN COLO

Canyon Colorado Equid Sanctuary,

P O Box 60639,

Colorado Springs, NM 80960-0639

USA

Phone: +1 719 5790707; Fax: +1 719 5760269

Carole Carlson

ISIS

CLOVIS

Hillcrest Park Zoo

Po Box 760,

Clovis, NM 88101

USA

Mark Yannotti

JOHNSON L

Mr Larry Johnson (Safari Enterprise)

Yorba Linda

5421 Berryhill Drive

CA 92686

USA

Phone: +1 714 9877742; Fax: +1 714 9872906

No reply to questionnaire

KANSASCT

Kansas City Zoological Garden

6800 Zoo Drive

Kansas City, Missouri, 64132

USA

Phone: +1 816 513 4618; Fax: +1 816 513 4654

Mr Dale Frerkin; e-mail: Dale_Frerkin@fotzkc.org OR Conrad_Schmitt@fotzkc.org

AZA

LOUISVILL

Louisville Zoological Garden
PO Box 37250
1100 Trevilian Way,
Louisville, KY 40233
USA

Phone: +1 502 459 2181; Fax: +1 502 459 2196

Elaine Huddleston; e-mail: elaine.huddleston@loukymetro.org

AZA, ISIS

MADISON

Henry Vilas Park Zoo
702 S. Randall Avenue
Madison, WI 53715
USA

Phone: +1 608 266 4733; Fax: +1 608 266 5923

Mr. Jess Stafford; e-mail: Stafford@co.dane.wi.us

AZA

ROANOKE

Roanoke AI Laboratories, Inc.
8535 Martin Creek Road
Roanoke, VA 24018-5875
USA

Phone: +1 540 7740676; Fax: +1 540 7747222

Jim Crump; e-mail: rkeailab@cox.net

SD-WAP

San Diego Wild Animal Park,
Zoological Society of San Diego
15500 San Pasqual Valley Road
Escondido, CA 92027-9614
USA

Phone: +1 619-747-8702; Fax: +1 619-746-7081

Toni Giezendanner; e-mail: tgiezendan@sandiegozoo.org

AZA, ISIS

THE WILDS

The Wilds
(Intl. Center for the Preservation of Wild Animals)
14000 International Road
Cumberland, Ohio 43732

Phone: +1 740 638-2284; Fax: +1 740 638-2287

Patty Glaze; e-mail: pglaze@thewilds.org

AZA, ISIS