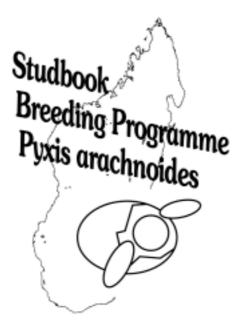
## Studbook Breeding Programme *Pyxis arachnoides*



## Annual Report 2004

Frank Van Loon January 2005

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APPENDIX HUSBANDRY CONDITIONS AND ADDITIONAL INFORMATION PER LOCATION

Frank Van Loon <u>Pyxis-arachnoides@studbooks.org</u> <u>Franktortoises@hotmail.com</u>

Since 1992 several Dutch herpetological societies have initiated studbook programmes on reptile and amphibian species. In 1997, all programmes were condensed into an independent foundation currently known as European Studbook Foundation. Early in its development, the foundation formulated the very important criteria that no studbook participant would jeopardise their important herpetological contributions and goals with any commercial enterprise from their specimens, either currently or in the future.

The aims of the studbook programmes in general are:

- To inform the herpetological community with data and publications generated from captive situations and field studies
- Procuring, maintaining, and reproducing genetically healthy captive individuals for future loans to recognised individuals and institutions

These conservation goals are particularly relevant today as wild populations of many reptiles and amphibians experience increasing survival pressures. Establishing working programs that emphasise captive husbandry in conjunction with fieldwork is crucial in developing sound wildlife management. A significant contribution that captive animals may perform is through the concept of re-introduction of their potential offspring. Although re-introduction of species is at a very early stage and occasionally controversial, there may come a time when the offspring of captive animals are the sole source for re-introduction has become extinct. More importantly re-introduction has the potential of insuring genetic diversity to populations that have become unnaturally isolated due to human interference.

## 1. INTRODUCTION AND ACTIVITIES IN 2004

#### Introduction

This report is an update of the annual report of the Studbook Breeding Programme *Pyxis arachnoides* published in 2003. The programme aims to form genetically healthy, reproducing captive populations, to study these, and to gather and distribute as much information about *P. arachnoides* as possible. In order to keep the studbook manageable (in terms of number of tortoises and contacts between participants and coordinator), it has been decided that the studbook will operate exclusively in Europe, despite occasional applications from keepers of *P. arachnoides* in the USA. *Pyxis a. arachnoides* especially appears to be present in Europe in sufficiently large numbers. It would be a welcome development if someone in the USA would set up a studbook on *P. arachnoides*, similar to the Studbook Breeding Programme *Pyxis arachnoides*. Eventually, both studbooks could be linked.

This report will summarise the activities of the Studbook Breeding Programme *Pyxis arachnoides* in 2004, plans for 2005, and it will give an overview of the current composition and changes in the captive population *P. arachnoides*. Additional information may be obtained from the internet site of the programme, http://home.kabelfoon.nl/~loehr/pyxis, or from the studbook co-ordinator.

In the following sections, an overview of the main activities in 2004 is presented.

#### Internet site

The internet site of the Studbook Breeding Programme *Pyxis arachnoides* has not undergone any major changes. A new studbook programme, SEBAG, has been introduced to make maintaining of a studbook population easier.

The actual composition of the studbook population has been updated on an annual basis. The appendices in the annual studbook reports remain the major source of husbandry information.

There have been no more complaints on commercials popping up at the site, however the situation has remained the same. It remains the idea of the studbook coordinator that a private site for the studbook breeding programme *Pyxis arachnoides* is in orderThe coordinator will see what the possibilities are (eg. Domainname, costs, webbuilding,...).

#### Presentations and publications

In 2004, several publications, written by studbook participants, were submitted and published. One manuscript on breeding *Pyxis arachnoides brygooi* was published in "Radiata" (a German magazine). Another manuscript on keeping and breeding *Pyxis a. arachnoides* was published in "Schildkroeten im Focus" (a German magazine).

#### Contacts

In 2004 the search for interested keepers was continued. Several new locations were found interested in the studbook but so far only one new location was registered. Slowly but surely, more and more keepers/breeders of *Pyxis arachnoides* seem to find their way to the studbook coordinator, not always resulting in registration (there still seems to be a certain threshold for a number of people) but definitely resulting in providing and distributing valuable information on husbandry of *Pyxis arachnoides*. Perhaps the new CITES-status of the species will persuade more keepers to join the studbook. All participants have been notified that, as of this year, all *Pyxis arachnoides* are placed under CITES I (as requested by Madagascar).

An American zoo has made contact for husbandry information about their newly acquired specimen.

## 2. PLANS FOR ACTIVITIES IN 2005

A certain amount of time was spend on the studbook during 2004, but it was far from enough. The studbook coordinator will have to spend more time on this studbook to reach more people. Updating and working on the studbook could be more efficient if the website were to be placed in the coordinator's hands. The biggest disadvantage is that the website will have to change its address.

On the other hand a certain amount of cooperation will have to be provided by the studbookparticipants. This is a known problem for not only this studbook but for several studbooks. As known there are partcipants that will allways answer and those who seem to be, more or less, never home. This, off course, makes running a studbook more difficult then it should be.

As more keepers start to breed one or more subspecies, the interaction between the participants and between the participants and the studbook coordinator will have to increase in order to avoid inbreeding and to maintain the optimum amount of unrelated bloodlines. Not allways easy to achieve this, due to the fact that the species is highly priced and not allways easy to find or not allways found at the right time or by the right person(s). It happens that persons buy 2 related hatchlings but have no more funding to acquire more unrelated hatchlings or start coupling captive born adults to their wild-caught counterparts. This situation is not ideal for the species but , sometimes, cannot be avoided by the coordinator.

The studbook coordinator replaced his adult couple to another location in Oct 2003 and the first positive results are visible. The couple, or better the female, started laying eggs. Where no more than two eggs were laid at my location, this first year already 4 eggs were laid. That this new location has the right environment for this species is becoming more obvious every year.

More attempts will be made to reach keepers/breeders. This will be done by contacting several tortoise and reptile societies in Europe. An article will be publihed, in English, to try to boost the interest of the people and to reach a broader public.

#### Internet site

In 2005, the internet site of the Studbook Breeding Programme *Pyxis arachnoides* will remain to be maintained by Victor Loehr, who receives the updates from Frank Van Loon. There are indirect plans for changes, the sooner, the better.

#### Presentations and publications

A major English manuscript on husbandry and breeding of *P. a. arachnoides* is currently in press in the proceedings of the first European symposium on turtles and tortoises (Vienna, January 2002). However, this has not been written by a studbook participant.

### 3. CURRENT LIVING STUDBOOK POPULATION

The total number of registered live specimens *P. arachnoides* increased to 78. Three specimens died, and 5 were born at three locations. Five specimens were acquired from outside the studbook. Three captive bred animals were sold to a person outside the studbook, who does not wish to join. This, off course, is his privilege but we have to try to keep as much animals in the studbook as we can. One way of doing this could be to include in the transfer, the statement that the animals should stay in the studbook. The specimens are currently housed at 15 locations (14 in 2003) in the Netherlands (8), Belgium (1) and Germany (6). All subspecies are represented in the studbook, but *P. a. oblonga* and *P. a. brygooi* are very limited in numbers.

All transfers in 2004 are related to subspecies *P. a. arachnoides*. Although negotiations are being made for the transfer of *Pyxis arachnoides oblonga*.

**Table I:** Current living studbook population *Pyxis arachnoides* per location as registered in the studbook. The numbers far right are relative numbers per location, indicating which specimens are housed together. MULT1 is sire 26 or 27. UNKx specimens are founders outside of the studbook, used to register relationships between offspring in the studbook.

#### a) Pyxis arachnoides arachnoides

Location: A08 Stud # | Sex | Hatch Date | Sire | Dam | Location | Date | Local ID | Event |

18	М	????	WILD	WILD		~ Jan 1995 4 Sep 2002 704790 17 Nov 2004	Transfer Loan to Transfer	3
23	М	????	WILD	WILD		???? 28 Jun 1999 PAAM1 29 Sep 2003	Transfer Transfer Loan to	3
24	F	????	WILD	WILD	A05 A10 A08	???? 28 Jun 1999 PAAF1 29 Sep 2003	Transfer Transfer Loan to	3
26	М	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 I 18 Feb 2001	Transfer Loan to Loan to	1
27	М	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 II 18 Feb 2001	Transfer Loan to Loan to	1
29	F	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 IV 18 Feb 2001	Transfer Loan to Loan to	1
71	F	????	WILD	WILD	LONDON RP ROTTERDAM A08	???? 23 Dec 2001 704781 17 Nov 2004	Transfer Transfer Loan to	3
80	?	26 Jul 2002	MULT1	29	A08	26 Jul 2002	Hatch	2
88	?	19 Jun 2003	MULT1	29	A08	19 Jun 2003	Hatch	2
89	?	18 Jul 2003	MULT1	29	A08	18 Jul 2003	Hatch	2
90	?	08 Aug 2003	MULT1	29	A08	08 Aug 2003	Hatch	2
91	?	31 Aug 2003	MULT1	29	A08	31 Aug 2003	Hatch	2
93	?	09 Jun 2004	MULT1	29	A08	09 Jun 2004	Hatch	2
94	?	17 Jun 2004	MULT1	29	A08	17 JUN 2004	Hatch	2
95	?	04 Jul 2004	MULT1	29	A08	04 Jul 2004	Hatch	2

Totals: 4.3.8 (15)

Location: A10											
Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event			
79	?	06 May 2002	MULT1	29	A08 A10	06 May 2002 29 Sep 2003		Hatch Transfer			
84	?	08 Jun 2002	MULT1	29	A08 A10	08 Jun 2002 29 Sep 2003		Hatch Transfer			
Totals:	0.0.2	(2)									
Location	n: A11								_		
		Hatch Date			Location		Local ID				
68	?	14 Jun 2001	MULT1	29		14 Jun 2001 17 Feb 2002		Hatch Transfer	1		
Totals:	0.0.1	(1)									
Location				========					=		
		Hatch Date		Dam	Location		Local ID	Event			
40	?	13 Aug 1999	UNK1	UNK2	A07 A19	13 Aug 1999 1 Mar 2000		Hatch Transfer	1?		
41	?	28 Aug 1999	UNK1	UNK 2	A07 A19	28 Aug 1999 1 Mar 2000		Hatch Transfer	1?		
42	?	8 Aug 2000	UNK1	UNK 2	A07 A19	8 Aug 2000 1 Sep 2000		Hatch Transfer	1?		
43	?	12 Aug 2000	UNK1	UNK 2	A07 A19	12 Aug 2000 1 Sep 2000		Hatch Transfer	1?		
m - + - 1 - •											
Totals:	0.0.4	(4)									
Location	n: A22	(4)							=		
<b>Location</b> ======== Stud #	<b>h: A22</b>   Sex		Sire	Dam	Location	Date	Local ID	Event	=   =		
<b>Location</b> ======== Stud #	<b>h: A22</b>   Sex	Hatch Date	Sire	Dam	Location	Date	Local ID   	Event	=   = 1		
<b>Location</b> ======= Stud # ========	n: A22   Sex	Hatch Date	Sire   	Dam	Location 	Date   	Local ID   960909 961116	Event Hatch Loan to	=		
Location ====== Stud # ============== 1	m: A22 Sex Sex M	Hatch Date   9 Sep 1996	Sire   UNK1 UNK1	Dam   UNK 2 UNK 2	Location A07 A02 A22 A07 A02	Date   9 Sep 1996 22 Nov 1998 24 Feb 2001 16 Nov 1996 22 Nov 1998	Local ID   960909 961116 970916	Event Hatch Loan to Loan to Hatch Loan to	 = 1		
Location ======= Stud # 1 2	n: A22   Sex M F M	Hatch Date   9 Sep 1996 16 Nov 1996 16 Sep 1997	Sire   UNK1 UNK1 UNK1	Dam   UNK2 UNK2 UNK2	Location A07 A02 A22 A07 A02 A22 A07 A02 A22 A07 A02 A22	Date   9 Sep 1996 22 Nov 1998 24 Feb 2001 16 Nov 1996 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001	Local ID           960909           961116           970916	Event Hatch Loan to Loan to Hatch Loan to Loan to Hatch Loan to	 _ 1 _ 1		
Location Stud # 1 2 3	n: A22	Hatch Date   9 Sep 1996 16 Nov 1996 16 Sep 1997	Sire   UNK1 UNK1 UNK1 WILD	Dam   UNK2 UNK2 UNK2 WILD	Location A07 A02 A22 A07 A02 A22 A07 A02 A22 A07 A02 A22 A22	Date   9 Sep 1996 22 Nov 1998 24 Feb 2001 16 Nov 1996 22 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001	Local ID   960909 961116 970916 	Event Hatch Loan to Loan to Hatch Loan to Hatch Loan to Loan to Transfer	   1 1 2		
Location Stud # 1 2 3 96	n: A22   Sex M F M F M	Hatch Date   9 Sep 1996 16 Nov 1996 16 Sep 1997 ???? ????	Sire   UNK1 UNK1 UNK1 WILD	Dam   UNK2 UNK2 UNK2 WILD	Location A07 A02 A22 A07 A02 A22 A07 A02 A22 A07 A02 A22 A22	Date                 9 Sep 1996         22 Nov 1998         24 Feb 2001         16 Nov 1996         22 Nov 1998         24 Feb 2001         16 Sep 1997         22 Nov 1998         24 Feb 2001         16 Sep 1997         22 Nov 1998         24 Feb 2001         16 Sep 1997         22 Nov 1998         24 Feb 2001         27 Dec 2004	Local ID   960909 961116 970916 	Event Hatch Loan to Loan to Hatch Loan to Hatch Loan to Loan to Transfer	   1 1 2		
Location Stud # 1 2 3 96 97 Totals: Location	n: A22   Sex M F M F M 3.2.0	Hatch Date   9 Sep 1996 16 Nov 1996 16 Sep 1997 ???? ???? (5)	Sire   UNK1 UNK1 UNK1 WILD WILD	Dam   UNK2 UNK2 UNK2 WILD WILD	Location A07 A02 A22 A07 A02 A22 A07 A02 A22 A22 A22 A22 A22	<pre>9 Sep 1996 22 Nov 1998 24 Feb 2001 16 Nov 1996 22 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001 27 Dec 2004 27 Dec 2004</pre>	Local ID   960909 961116 970916 	Event Hatch Loan to Loan to Hatch Loan to Loan to Loan to Transfer Transfer	   1 1 2 2		
Location Stud # 1 2 3 96 97 Totals: Location Stud #	n: A22   Sex M F M F M 3.2.0 n: A23   Sex	Hatch Date   9 Sep 1996 16 Nov 1996 16 Sep 1997 ???? ???? (5)	Sire   UNK1 UNK1 UNK1 WILD WILD Sire	Dam   UNK2 UNK2 UNK2 WILD WILD	Location A07 A02 A22 A07 A02 A22 A07 A02 A22 A22 A22 A22 A22 A22 A22	Date   9 Sep 1996 22 Nov 1998 24 Feb 2001 16 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001 27 Dec 2004 27 Dec 2004 27 Dec 2004	Local ID   960909 961116 970916  Local ID	Event Hatch Loan to Loan to Hatch Loan to Hatch Loan to Transfer Transfer Event	 1 1 2 2		
Location Stud # 1 2 3 96 97 Totals: Location Stud #	n: A22   Sex M F M F M 3.2.0 n: A23   Sex	Hatch Date   9 Sep 1996 16 Nov 1996 16 Sep 1997 ???? ???? (5)	Sire   UNK1 UNK1 UNK1 WILD WILD Sire	Dam   UNK2 UNK2 UNK2 WILD WILD	Location A07 A02 A22 A07 A02 A22 A07 A02 A22 A22 A22 A22 A22 Location	Date   9 Sep 1996 22 Nov 1998 24 Feb 2001 16 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001 27 Dec 2004 27 Dec 2004 27 Dec 2004	Local ID   960909 961116 970916 Local ID	Event Hatch Loan to Loan to Hatch Loan to Hatch Loan to Loan to Transfer Transfer Event	   1 1 2 2		
Location Stud # 1 2 3 96 97 Totals: Location Stud # 	n: A22   Sex M F M F M 3.2.0 n: A23   Sex	Hatch Date   9 Sep 1996 16 Nov 1996 16 Sep 1997 ???? ???? (5)   Hatch Date	Sire   UNK1 UNK1 UNK1 WILD WILD Sire   WILD	Dam   UNK2 UNK2 UNK2 WILD WILD Dam   WILD	Location A07 A02 A22 A07 A02 A22 A07 A02 A22 A22 A22 A22 A22 A22 A22	Date   9 Sep 1996 22 Nov 1998 24 Feb 2001 16 Nov 1996 22 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001 27 Dec 2004 27 Dec 2004 27 Dec 2004 27 Dec 2004	Local ID   960909 961116 970916 Local ID   DONALD	Event Hatch Loan to Loan to Hatch Loan to Hatch Loan to Transfer Transfer Event	 1 1 2 2 =   = 1		
Location Stud # 1 2 3 96 97 Totals: Location Stud # 	n: A22   Sex M F M 3.2.0 n: A23   Sex M	Hatch Date   9 Sep 1996 16 Nov 1996 16 Sep 1997 ???? ???? (5)   Hatch Date   ????	Sire   UNK1 UNK1 UNK1 WILD WILD Sire   WILD	Dam   UNK2 UNK2 UNK2 WILD WILD WILD WILD	Location A07 A02 A22 A07 A02 A22 A07 A02 A22 A22 A22 A22 A22 A22 A22	Date   9 Sep 1996 22 Nov 1998 24 Feb 2001 16 Nov 1996 22 Nov 1998 24 Feb 2001 16 Sep 1997 22 Nov 1998 24 Feb 2001 27 Dec 2004 27 Dec 2004 27 Dec 2004 30 Jul 2000 30 Jul 2000	Local ID   960909 961116 970916  Local ID   DONALD DAISY	Event Hatch Loan to Hatch Loan to Hatch Loan to Hatch Loan to Transfer Transfer Event Transfer	 1 1 2 2 = 1 1		

Totals: 2.3.1 (6)

98 ? 04 May 2004 58 60 A23

Location: A32

69

M ???? WILD WILD A23 5 Jul 2001 PLUTO Transfer 2

5 May 2004 KNIRPS

Hatch 3

Stud #					Location	Date	Local ID	
4	====== M	????	======== WILD	WILD		17 May 1999 25 May 2002	ULI	Transfer Loan to
Totals:	1.0.0	(1)						
Locatio								
Stud #	Sex	Hatch Date	Sire	Dam	Location		Local ID	Event
67	?	15 Mar 2001	MULT1	29	A02 A36	15 Mar 2001 24 Feb 2002		Hatch Transfer
82	?	~ Jan 2000	UNK 8	UNK 9	A32 A36	~ Jan 2000 15 Aug 2002		Hatch Transfer
101	?	~2000	UNK8	UNK 9	A32 A36	~2000 10 Dec 2004		Hatch Transfer
Fotals:	0.0.3	(3)						
Locatio	n: A39							
======= Stud #	=======   Sex	Hatch Date	======== Sire	Dam	Location		Local ID	Event
======								
86	?	28 Oct 2000	UNK1	UNK2	A07 A39	28 Oct 2000 16 Jul 2002		Hatch Transfer
87	?	29 Aug 2001	UNK1	UNK 2	A07 A39	29 Aug 2001 16 Jul 2002		Hatch Transfer
Totals:	0 0 2	(2)						
	0.0.2	(2)						
Locatio								
Locatio			======= Sire	======= Dam	======================================		-	Event
Locatio	n: ROTI	<b>TERDAM</b> Hatch Date		Dam			Local ID	Event
Locatio	n: ROTI	<b>TERDAM</b> Hatch Date		Dam		Date	Local ID	Event
Locatio ======= Stud # =======	n: ROTT ======   Sex   ======	Hatch Date	=======	Dam   ======	WASS BR C	Date   	Local ID	Event Transfer
<b>Locatio</b> ====== Stud # ======= 20	n: ROTI ======   Sex   ====== M	PERDAM Hatch Date   ????	WILD	Dam   	WASS BR C ROTTERDAM	Date   8 Dec 1990 17 Apr 2002	Local ID 704725 703791	Event Transfer Transfer
20 20 34	n: ROTI ======   Sex   ====== M M	PERDAM Hatch Date   ???? ????	WILD	Dam   WILD WILD	WASS BR C ROTTERDAM ROTTERDAM	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997	Local ID 704725 703791 703792	Event Transfer Transfer Transfer
Location Stud # 20 34 35 36	n: ROTT   Sex     Sex   M M M F	TERDAM         Hatch Date           ????         ????         ????         ????         ????         ????         ????	MILD MILD MILD	Dam   WILD WILD WILD WILD WILD	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997	Local ID 704725 703791 703792 703793	Event Transfer Transfer Transfer Transfer Transfer Transfer
20 20 34 35	n: ROTT   Sex     M M M	YERDAM           Hatch Date             ????           ????           ????           ????	WILD WILD WILD	Dam   WILD WILD WILD WILD WILD	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997	Local ID 704725 703791 703792 703793 703794	Event Transfer Transfer Transfer Transfer
20 34 35 36 37	n: ROTI ======   Sex   M M M F F F	Hatch Date   ???? ???? ???? ???? ???? ???? ???? ?	MILD MILD MILD MILD MILD	Dam   WILD WILD WILD WILD WILD WILD	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE ROTTERDAM	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 12 Jul 1987 9 Jul 1997	Local ID 704725 703791 703792 703793 703794 703825	Event Transfer Transfer Transfer Transfer Transfer Transfer Transfer
20 34 35 36 37 38	n: ROTT ======   Sex   M M M F F F M	TERDAM         Hatch Date           ????         ????         ????         ????         ????         ????         ????         ????         ????         ????         ????	MILD MILD MILD MILD MILD	Dam   WILD WILD WILD WILD WILD WILD XILD	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE ROTTERDAM ROTTERDAM LONDON RP	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 12 Jul 1987 9 Jul 1997 21 Oct 1999	Local ID 704725 703791 703792 703793 703794 703825 704297	Event Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer
20 34 35 36 37 38 48	n: ROTI ======   Sex   M M F F F M ?	<pre>Hatch Date   Hatch Date   ???? ???? ???? ???? ???? 21 Oct 1999</pre>	WILD WILD WILD WILD WILD WILD 34	Dam   WILD WILD WILD WILD WILD WILD 36 WILD	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE ROTTERDAM VLISSINGE ROTTERDAM LONDON RP ROTTERDAM LONDON RP	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 12 Jul 1987 9 Jul 1997 21 Oct 1999 ???? 23 Dec 2001	Local ID 704725 703791 703792 703793 703794 703825 704297 704582 	Event Transfer Transfer Transfer Transfer Transfer Transfer Transfer Hatch Transfer
Location Stud # 20 34 35 36 37 38 48 72 73	n: ROTT ====== M M M F F M ? F ?	<pre>Percent State Percent Sta</pre>	WILD WILD WILD WILD WILD WILD 34 WILD WILD	Dam   WILD WILD WILD WILD WILD 36 WILD WILD	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE ROTTERDAM ROTTERDAM LONDON RP ROTTERDAM	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 12 Jul 1987 9 Jul 1997 21 Oct 1999 ???? 23 Dec 2001 ????	Local ID 704725 703791 703792 703793 703794 703825 704297 704582 704583	Event Transfer Transfer Transfer Transfer Transfer Transfer Transfer Hatch Transfer Transfer Transfer
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Location Stud # 20 34 35 36 37 38 48 72 73 102 Totals:	n: ROTT ====== M M M F F M ? F ? 4.4.3	Hatch Date   Patch Date   Pa	WILD WILD WILD WILD WILD WILD 34 WILD WILD	Dam   WILD WILD WILD WILD WILD 36 WILD WILD	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE ROTTERDAM ROTTERDAM LONDON RP ROTTERDAM	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 12 Jul 1987 9 Jul 1997 21 Oct 1999 23 Dec 2001 ???? 23 Dec 2001	Local ID 704725 703791 703792 703793 703794 703825 704297 704582 704583	Event Transfer Transfer Transfer Transfer Transfer Transfer Transfer Hatch Transfer Transfer Transfer Transfer Transfer
Location Stud # 20 34 35 36 37 38 48 72 73 102 Totals: Location	n: ROTI ====== M M M F F F M ? F ? 4.4.3 n: WASS	Hatch Date   Patch Date   Pa	WILD WILD WILD WILD WILD 34 WILD 34	Dam   WILD WILD WILD WILD WILD 36 WILD 36	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE ROTTERDAM ROTTERDAM LONDON RP ROTTERDAM LONDON RP ROTTERDAM	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 12 Jul 1987 9 Jul 1997 21 Oct 1999 ???? 23 Dec 2001 02 Jun 2004	Local ID 704725 703791 703792 703793 703794 703825 704297 704582 704583 704583 705088	Event Transfer Transfer Transfer Transfer Transfer Transfer Transfer Hatch Transfer Transfer Hatch
Location Stud # 20 34 35 36 37 38 48 72 73 102 Totals: Location Stud #	<pre>n: ROTI ======   Sex   M M M F F F M ? F ? 4.4.3 n: WASS ======   Sex  </pre>	Hatch Date   Hatch Date   ???? ???? ???? ???? 21 Oct 1999 ???? 21 Oct 1999 ???? 02 Jun 2004 (11) S BR C	WILD WILD WILD WILD WILD 34 WILD 34 WILD 34	Dam   WILD WILD WILD WILD WILD 36 WILD 36 WILD 36	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE ROTTERDAM VLISSINGE ROTTERDAM LONDON RP ROTTERDAM LONDON RP ROTTERDAM	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 12 Jul 1987 9 Jul 1997 21 Oct 1999 23 Dec 2001 23 Dec 2001 02 Jun 2004 Date	Local ID 704725 703791 703792 703793 703794 703825 704297 704582 704583 705088	Event Transfer Transfer Transfer Transfer Transfer Transfer Transfer Hatch Transfer Transfer Hatch Event
20 34 35 36 37 38 48 72 73 102 Fotals: Stud #	<pre>n: ROTT ======   Sex   M M M F F F ? ? 4.4.3 n: WASS ======   Sex   =====</pre>	<pre>Hatch Date  </pre>	WILD WILD WILD WILD WILD 34 WILD 34 WILD 34	Dam   WILD WILD WILD WILD WILD 36 WILD 36 WILD 36	WASS BR C ROTTERDAM ROTTERDAM ROTTERDAM ROTTERDAM VLISSINGE ROTTERDAM LONDON RP ROTTERDAM LONDON RP ROTTERDAM ROTTERDAM	Date   8 Dec 1990 17 Apr 2002 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 7 Jun 1997 12 Jul 1987 9 Jul 1997 21 Oct 1999 23 Dec 2001 23 Dec 2001 02 Jun 2004 Date	Local ID 704725 703791 703792 703793 703794 703825 704297 704582 704583 704583 705088	Event Transfer Transfer Transfer Transfer Transfer Transfer Transfer Hatch Transfer Transfer Hatch Event

Totals: 1.0.0 (1)

ROTTERDAM did agree to transfer a couple to another location. Location A08 was the previous owner of one of the animals involved and has great breeding results with the subspecies. Breeding at ROTTERDAM seems to start also, although it is in an early stage.

Locaton A22 has many (juvenile) animals, but 5 animals will be transferred to location A11. A request has been send to Location A11 to register the animals, no reply has been received to this date.

Solitary males fit for breeding are present at locations A08 (specimen 26 or 27), WASS BR C (19) and location A22 (specimen 1 or 3). Male 4 at location A32 is probably housed in a breeding pair, since additional specimens *P. a. arachnoides* are present at this location. These have not yet been registered in the studbook, and therefore location A32 has been requested ,again, to register these specimens too. The request was declined.

A solitary female (59 or 60) is present at location A23. It would be advisable to transfer one female to a location with fewer specimens and with a solitary male, to form an additional (potential) bloodline (this suggestion has been turned down by the owner) or a captive bred specimen (97) could be exchanged with a solitary WILD male (for example at location A08 or WASS BR C) and, at his turn, this male could be paired with a WILD female housed at this location (specimen 59 or 60). A last option is to put another solitary WILD male at this location (A23).

Location A22 keeps all the captive bred *Pyxis arachnoides arachnoides* in the same enclosure, this is not recommended. As the tortoises reach sexual maturity, they will start to breed, in this case inbreeding could be the result. It is advised that males 1 and 3 are put in another enclosure. Remember that once the tortoises have been seen mating, the female could store sperm for 3 years. Another possibility is the exchange of a male (1 or 3) from location A22 with a male at another location (A08 or WASS BR C).

Location A08 has 8 captive bred juveniles, all of the same adults. It is advised that, once the juveniles become older, they should be paired with (recent) offspring of Location A07 (location A39, A19, since it has been a while that the coordinator has heard from A19, the coordinator would advice location A39) or location A23 or other captive bred animals of the same subspecies.

Stud #   =======	Sex	Hatch Da	ate   =====	Sire	Dam	Location	Da† ====	te =====		Local ID	Event	
30	М	?????		WILD	WILD	ROTTERDAM A03				702004 HZ0305	Transfer Loan to	1
31	F	????		WILD	WILD	ROTTERDAM A03				702005 HZ0306	Transfer Loan to	1
32	F	11 Nov 2	1994	30	31	ROTTERDAM A03				703152 HZ0539	Hatch Loan to	2
49	F	????		WILD	WILD	ROTTERDAM A03	21	??? Jun		HZ0561	Transfer Loan to	1
50	М	1 Jul 1	1996	30	31	A03	1	Jul	1996	HZ0428	Hatch	3
52	М	14 May 2	1999	30	31	A03	14	May	1999	HZ0624	Hatch	5
53	F	7 Jun 1	1999	30	31	A03	7	Jun	1999	HZ0627	Hatch	б
54	?	19 Mar 2	2000	30	31	A03	19	Mar	2000	HZ0683	Hatch	7
55	?	12 May 2	2000	30	31	A03	12	May	2000	HZ0691	Hatch	8
92	?	03 May 2	2003	30	31	A03	03	May	2003	HZ0899	Hatch	

#### b) Pyxis arachnoides brygooi

Location: A10

Stud # | Sex | Hatch Date | Sire | Dam | Location | Date | Local ID | Event |

74	F	????	UNK1	UNK2	A10	10 Oct 2001 Pabf01 Transfer 1	L
75	?	????	UNK1	UNK2	A10	10 Oct 2001 Pabu02 Transfer 2	2
76	М	?????	UNK1	UNK2	A10	10 Oct 2001 Pabm01 Transfer 1	L

Totals: 1.1.1 (3)

#### Location: All

 Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	======================================
56	М	????	WILD	WILD	A11 A03 A11		~1985 1999 HZ0664 2003	Transfer Loan to Transfer

#### Totals: 1.0.0 (1)

A large proportion of the *P. a. brygooi* population in the studbook is housed at location A03. As has already been outlined for *P. a. arachnoides*, this makes the population vulnerable for disaster, and spreading the specimens over several locations should be considered. Location A03 has argued that long-term growth data is gathered from the captive-bred specimens at this location and this should be included in any considerations to transfer specimens. The current combination of adult founder specimens appears to be reasonable, given the lack of solitary specimens. However, it is of the utmost importance that locations A03 and A10 provide the gender of their juvenile specimens as soon as this is known, to allow exchange of specimens and formation of additional breeding pairs. Location A10 has put animals 74 and 75 together, this is not advisable. Better is to couple the female and male to other animals from location A03 and/or location A11.

#### c) Pyxis arachnoides oblonga

Location: A17

========				=====							
		Hatch Date									
13	?	24 Oct 1997	UNK1	UNK2	A06 A17	24 Oct 199 25 Jul 200		Hatch Transfer			
14	?	28 May 1997	UNK1	UNK 2	A06 A17	28 May 199 25 Jul 200	7	Hatch Transfer			
15	?	26 Jun 1997	UNK1	UNK 3	A06 A17	26 Jun 199 25 Jul 200	7	Hatch Transfer			
Totals:	0.0.3	(3)									
Location: A18											
Stud #	Sex	Hatch Date	Sire   D	am	Location	Date	Local ID	Event			
16	?	27 Apr 1999	UNK1	UNK 2		27 Apr 199 25 Jul 200					
17	?	20 Jul 1999	UNK1	UNK2		20 Jul 199 25 Jul 200	9				
Totals:	0.0.2	(2)				20 041 200	·	110110101			
Location											
Stud #	Sex	Hatch Date	Sire   D	am	Location	Date	Local ID	Event			
99	М	31 Dec 1999	UNK12	UNK13	A40	21 Jul 200	4	Transfer 1			
100	М	31 Dec 1999	UNK12	UNK13	A40	21 Jul 200	4	Transfer 1			
Totals:	2.0.0	(2)									

A new location has been found with two related captive bred specimen. Location A18 probably has a female and a male, the male at this location is somexhat behind in growth. Therefor it is advised by the coordinator that Location A18 and location A40 should get in touch to transfer one of their specimen to the other Location (in progress).

Overall, the situation still is very worrisome. It is of importance to acquire additional founder specimens in the studbook.

#### 4. **IMPORTS, BIRTHS AND DEATHS**

Imports of P. arachnoides, organised by the Studbook Breeding Programme Pyxis arachnoides, did not take place in 2004. Plans to import small numbers of P. a. brygooi and P. a. oblonga might be supported by the programme, as it appears unlikely that a sufficiently large number of tortoises for a viable captive population will be found.

One subspecies was bred in 2004, Pyxis arachnoides arachnoides (3 at location A08, 1 at location A23 and 1 at location ROTTERDAM).

Table II: Births of P. arachnoides in 2004. 

a) Pyxis arachnoides arachnoides. MULT1 is sire 27 or 28

======== Stud #   =========	Sex	Hatch Date	Sire   Dam	====   	Location	Date	Local ID	======================================
93	?	09 Jun 2004	MULT1	29	80A	09 Jun	2004	Hatch
94	?	17 Jun 2004	MULT1	29	A08	17 Jun	2004	Hatch

4 Jul 2004 4 Jul 2004 \_\_\_\_\_ ? MULT1 29 A08 Hatch 4 May 2004 \_\_\_\_ ? 4 May 2004 98 58 60 A23 Hatch 36 ROTTERDAM 2 Jul 2004 \_\_\_\_\_ 2 Jul 2004 102 ? 34 Hatch

Totals: 0.0.5 (5)

95

A total of 3 P. arachnoides died in 2004, at 3 locations. One P. a. arachnoides died at location A22. This specimen was a male. One P. a. arachnoides died in 2004 at location A23 (female) from unknown causes. One P. a. arachnoides juvenile died at location A36. Another P. a. arachnoides died in 2003 at ROTTERDAM, this specimen is not listed below but is listed in the total overview (chapter 5).

Table III: Deaths of P. arachnoides in 2004. \_\_\_\_\_

#### a) Pyxis arachnoides arachnoides

	=====	=======================================						
Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
========		==================		======		===========		
81	?	~Jan 2000	UNK 8	UNK9	A32 A36 A36	~Jan 2000 16 Jul 2002 ~2004	2	Hatch Transfer Death
83	F	~1996	UNK10	UNK11	A38 A23 A23	~1990 1 Aug 2002 17 Jan 2004		Hatch Transfer Death
85	М	~1980	WILD	WILD	A22 A22	10 Sep 2002 2004		Transfer Death

Totals: 1.1.1 (3)

#### b)Pyxis arachnoides brygooi

======= Stud #	===== Sex	Hatch Date	Sire   Dam		Location	Date		Local ID	======================================
51	?	27 Oct 1996	30	31	A03			HZ0454 HZ0454	Hatch Death

# 5. TOTAL STUDBOOK POPULATION AND FUTURE PERSPECTIVES

The current total registered studbook population consists of 93 specimens: 64 *P. a. arachnoides*, 7 *P. a. oblonga*, and 22 *P. a. brygooi*. From these, 41 are wild-caught specimens and 52 are captive-bred. Captive-bred specimens of all three subspecies are present. All but 16 tortoises are currently alive, housed at 15 (participating) locations.

The population is strongly biased towards subspecies *P. a. arachnoides*. The number of specimens of this subspecies is sufficiently large to offer a positive perspective for the studbook, but it is necessary to combine the specimens in an optimal way to create as many bloodlines as possible, to increase breeding success, and to minimise risks of disaster in the relatively small population (see chapter 3). The other two subspecies are present in much smaller numbers. Especially the situation regarding *P. a. oblonga* is critical. Inclusion of American keepers of this subspecies in the studbook, or importing a small number of (preferably captive) *P. a. brygooi* or *P. a. oblonga* should be considered.

Although many registered specimens in the studbook are captive-bred, it has to be kept in mind that many of these breeding results have been accomplished years ago, and often the reproducing adult specimens are housed at other locations, and have not been registered in the studbook population. In 2004, yet again few breeding results have been reported. Therefore, the main focus from this studbook should still be the distribution of information on husbandry and breeding of *P. arachnoides*. Appendix 1 of this report provides a small contribution to this objective.

 Table IV: Total studbook population Pyxis arachnoides. MULT1 is sire 26 or 27. UNKx specimens are founders outside of the studbook, used to register relationships between offspring in the studbook.

#### a) Pyxis arachnoides arachnoides

======== Stud #	Sex	======================================	======= Sire			======== Date		
=======	=====							
1	М	9 Sep 1996	UNK1	UNK2	A07 A02 A22	9 Sep 1996 22 Nov 1998 24 Feb 2001	960909	Hatch Loan to Loan to
2	F	16 Nov 1996	UNK1	UNK2	A02	16 Nov 1996 22 Nov 1998 24 Feb 2001	961116	Hatch Loan to Loan to
3	М	16 Sep 1997	UNK1	UNK2	A07 A02 A22	16 Sep 1997 22 Nov 1998 24 Feb 2001	970916	Hatch Loan to Loan to
4	М	????	WILD	WILD	A04 A32	17 May 1999 25 May 2002		Transfer Loan to
5	F	?????	WILD	WILD	A04	17 May 1999 30 Jun 2001		Transfer Death
18	М	????	WILD	WILD	ROTTERDAM	~ Jan 1995 4 Sep 2002 17 Nov 2004	704790	Transfer Loan to Transfer
19	М	????	WILD	WILD	WASS BR C	8 Dec 1990	DAMAGE	Transfer
20	М	?????	WILD	WILD		8 Dec 1990 17 Apr 2002		Transfer Transfer
21	F	????	WILD	WILD	ROTTERDAM	8 Dec 1990 17 Apr 2002 13 Jun 2003	704726	Transfer Transfer Death
22	М	????	WILD	WILD	A05 A10	???? 28 Jun 1999 26 Sep 2003		Transfer Transfer Death
23	М	?????	WILD	WILD		???? 28 Jun 1999		Transfer Transfer
24	F	?????	WILD	WILD		???? 28 Jun 1999		Transfer Transfer
25	?	2 Sep 1999	UNK 3	24	A05	2 Sep 1999		Hatch

					A10			1999 2000	PAAU1	Transfer Death
26	М	????	WILD	WILD	A11 A02 A08		Dec	1999	I	Transfer Loan to Loan to
27	М	????	WILD	WILD	A11 A02 A08		Dec	1999	II	Transfer Loan to Loan to
28	F	?????	WILD	WILD	A11 A02 A08	31	Dec Dec	1999	III	Transfer Loan to Loan to Death
29	F	????	WILD	WILD	A11 A02 A08		Dec	1985 1999 2001		Transfer Loan to Loan to
33	М	????	WILD	WILD	ROTTERDAM LONDON RP	11	Aug		702003	Transfer Loan to Death
34	М	????	WILD	WILD	ROTTERDAM	7	Jun	1997	703791	Transfer
35	М	?????	WILD	WILD	ROTTERDAM	7	Jun	1997	703792	Transfer
36	F	????	WILD	WILD	ROTTERDAM	7	Jun	1997	703793	Transfer
37	F	????	WILD	WILD	ROTTERDAM	7	Jun	1997	703794	Transfer
38	М	????	WILD	WILD	VLISSINGE ROTTERDAM				703825	Transfer Transfer
39	F	?????	WILD	WILD	VLISSINGE ROTTERDAM	9	Jul	1987 1997 2001	703826	Transfer Transfer Death
40	?	13 Aug 1999	UNK1	UNK 2	A07 A19			1999 2000	1	Hatch Transfer
41	?	28 Aug 1999	UNK1	UNK 2	A07 A19			1999 2000	2	Hatch Transfer
42	?	8 Aug 2000	UNK1	UNK 2	A07 A19			2000 2000	3	Hatch Transfer
43	?	12 Aug 2000	UNK1	UNK2	A07 A19			2000 2000	4	Hatch Transfer
48	?	21 Oct 1999	34	36	ROTTERDAM	21	Oct	1999	704297	Hatch
58	М	?????	WILD	WILD	A23	30	Jul	2000	DONALD	Transfer
59	F	????	WILD	WILD	A23	30	Jul	2000	DAISY	Transfer
60	F	????	WILD	WILD	A23	30	Jul	2000	EUSEBI	Transfer
61	F	????	WILD	WILD	A23	30	Jul	2000	PAULA	Transfer
62	?	1 Aug 1998	UNK1	UNK2	A07 A23	1 16	Aug Sep	1998 1999	TIC	Hatch Transfer
65	?	1 Aug 1998	UNK 6	UNK7	A24 A23	1 1	Aug Jul	1998 1999	TRIC	Hatch Transfer
66	?	1 Aug 1998	UNK 6	UNK7	A24 A23	1 1	Aug Jul	1998 1999	TRAC	Hatch Transfer
67	?	15 Mar 2001	MULT1	29	A02 A36	15 24	Mar Feb	2001 2002	IV-1	Hatch Transfer
68	?	14 Jun 2001	MULT1	29	A02 A11			2001 2002	IV-2	Hatch Transfer
69	М	?????	WILD	WILD	A23	5	Jul	2001	PLUTO	Transfer
70	М	?????	WILD	WILD	A23			2001 2002	OSCAR	Transfer Death
71	F	????	WILD	WILD	LONDON RP ROTTERDAM A08	23	Dec	2001	704781	Transfer Transfer Transfer
72	F	????	WILD	WILD	LONDON RP ROTTERDAM		???? Dec		704582	Transfer Transfer

73	?	????	WILD	WILD	LONDON RP ROTTERDAM	???? Transfer 23 Dec 2001 704583 Transfer
79	?	6 May 2002	MULT1	29	A08	6 May 2002 Hatch
80	?	26 Jul 2002	MULT1	29	80A	26 Jul 2002 Hatch
81	?	~ Jan 2000	UNK8	UNK9	A32 A36 A36	~ Jan 2000 Hatch 15 Aug 2002 Transfer ~2004 Death
82	?	~ Jan 2000	UNK 8	UNK9	A32 A36	~ Jan 2000 Hatch 15 Aug 2002 Transfer
83	F	~ 1996	UNK10	UNK11	A38 A23 A23	~ 1996 Hatch 1 Aug 2002 TAMARA Transfer 17 Jan 2004 TAMARA Death
84	?	8 Jun 2002	MULT1	29	A08	8 Jun 2002 Hatch
85	М	~1980	WILD	WILD	A22 A22	10 Sep 2002 Transfer Death
86	?	28 Oct 2000	UNK1	UNK2	A39	16 Jul 2002 Transfer
87	?	29 Aug 2001	UNK1	UNK2	A39	16 Jul 2002 Transfer
88	?	19 Jun 2003	MULT1	29	A08	19 Jun 2003 Hatch
89	?	18 Jul 2003	MULT1	29	80A	18 Jul 2003 Hatch
90	?	8 Aug 2003	MULT1	29	80A	8 Aug 2003 Hatch
91	?	31 Aug 2003	MULT1	29	A08	31 Aug 2003 Hatch
93	?	09 Jun 2004	MULT1	29	A08	09 Jun 2004 Hatch
94	?	17 Jun 2004	MULT1	29	A08	17 Jun 2004 Hatch
95	?	04 Jul 2004	MULT1	29	A08	04 Jul 2004 Hatch
96	F	????	WILD	WILD	A22	27 Dec 2004 Transfer
97	М	?????	WILD	WILD	A22	27 Dec 2004 Transfer
98	?	04 May 2004	58	60	A23	04 May 2004 KNIRPS Hatch
101	?	~2000	UNK 8	UNK9	A32 A36	~2000 Hatch 10 Dec 2004 Transfer
102	?	02 Jun 2004	34	36	ROTTERDAM	02 Jun 2004 Hatch

Totals: 19.16.29 (64)

#### b) Pyxis arachnoides brygooi

========				========		====:	====:	=====		
Stud #	Sex	Hatch Date	Sire	Dam	Location	Dat	te		Local ID	Event
=======						====:	====:	=====		
6	?	?????	WILD	WILD	A04			1998 2002		Transfer Death
7	?	::::	WILD	WILD	A04	19	Sep	1998		Transfer
8	?	????	WILD	WILD	A04			1998 2002		Transfer Death
9	?	????	WILD	WILD	A04			1998 2002		Transfer Death
30	М	?????	WILD	WILD	ROTTERDAM A03				702004 HZ0305	Transfer Loan to
31	F	?????	WILD	WILD	ROTTERDAM A03				702005 HZ0306	Transfer Loan to
32	?	10 Oct 1994	30	31	ROTTERDAM A03				703152 HZ0539	Hatch Loan to
49	F	;;;;	WILD	WILD	ROTTERDAM A03				HZ0561	Transfer Loan to
50	?	1 Jul 1996	30	31	A03	1	Jul	1996	HZ0428	Hatch

51	?	27 Oct 1996	30	31	A03	27 Oct 1996 HZ0454 Hatch
52	?	14 May 1999	30	31	A03	14 May 1999 HZ0624 Hatch
53	?	7 Jun 1999	30	31	A03	7 Jun 1999 HZ0627 Hatch
54	?	19 Mar 2000	30	31	A03	19 Mar 2000 HZ0683 Hatch
55	?	12 May 2000	30	31	A03	12 May 2000 HZ0691 Hatch
56	М	????	WILD	WILD	A11 A03 A11	~ 1985 Transfer 16 Oct 1999 HZ0664 Loan to 08 Nov 2003 Transfer
57	F	????	WILD	WILD	A11 A03	~ 1985 Transfer 16 Oct 1999 HZ0665 Loan to
74	?	?????	UNK1	UNK2	A10	10 Oct 2001 PABU01 Transfer
75	?	?????	UNK1	UNK2	A10	10 Oct 2001 PABU02 Transfer
76	?	?????	UNK1	UNK 2	A10	10 Oct 2001 PABU03 Transfer
77	?	????	UNK1	UNK 2	A10	10 Oct 2001 PABU04 Transfer 15 Feb 2002 PABU04 Death
78	?	????	UNK1	UNK 2	A10	10 Oct 2001 PABU05 Transfer 01 Dec 2002 PABU05 Death
92	?	????	30	31	A03	03 May 2003 HZ0899 Hatch

Totals: 2.3.17 (22)

#### c) Pyxis arachnoides oblonga

Stud # | Sex | Hatch Date | Sire | Dam | Location | Date | Local ID | Event |

13	?	24 Oct 1997	UNK1	UNK 2	A06 A17	24 Oct 1997 25 Jul 2000	Hatch Transfer
14	?	28 May 1997	UNK1	UNK2	A06 A17	28 May 1997 25 Jul 2000	Hatch Transfer
15	?	26 Jun 1997	UNK1	UNK 3	A06 A17	26 Jun 1997 25 Jul 2000	Hatch Transfer
16	?	27 Apr 1999	UNK1	UNK2	A06 A18	27 Apr 1999 25 Jul 2000	Hatch Transfer
17	?	20 Jul 1999	UNK1	UNK2	A06 A18	20 Jul 1999 25 Jul 2000	Hatch Transfer
99	М	31 Dec 1999	UNK12	UNK13	A40	21 Jul 2004	Transfer
100	М	31 Dec 1999	UNK12	UNK13	A40	21 Jul 2004	Transfer

Totals: 1.1.5 (7)

## Appendix 1

### Husbandry conditions and additional information per location

The information below is an update on the information presented in appendix 1 of the previous annual report.

#### Location A40

Terrarium : 200 x 80 x 70 cm (LxWH)

Lighting : 1 daylight tubelight, 2 spotlight (both at one end of the enclosure). Temperature under the lamps may reach 38°C whil the other end reaches 28°C. One OsramUltra Vitalight UVB lamp which is switched on for half an hour in the morning and 15 minutes during the afternoon.

During the summertime the lights are switched on for 14 hours, which is reduced to 10 hours (first week of November). From the beginning of March, the lighting period is increased again.

<u>Care</u>: No spraying during the resting period. During the summer, the terrarium is sprayed every day. The substrate consists of plain building sand (depth 20 cm.). Furthermore, there is dry wood, rocks and dried bamboo which provide hiding places. In one corner of the enclosure a madagascar palm (Pachypodium lamerti) is planted.

Food is provided on daily basis (wild herbs, grasses, salade, endive and some fruit). Once a week some vitamins are added (calcicare+). During the resting period, no food is offered.