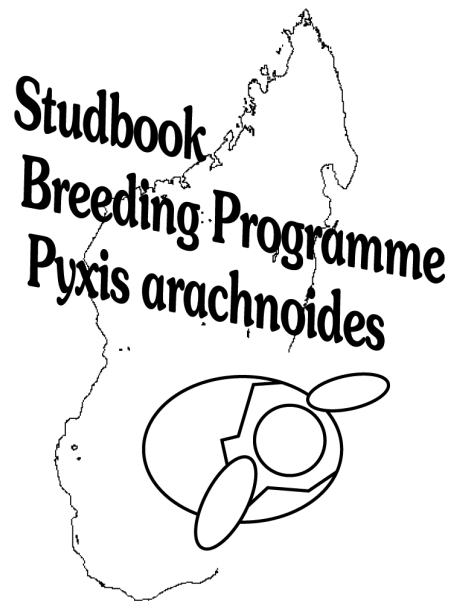


**Studbook**  
**Breeding Programme**  
***Pyxis arachnoides***



**Annual Report**  
**2005**

*Frank Van Loon*  
*January 2006*



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### APPENDIX HUSBANDRY CONDITIONS AND ADDITIONAL INFORMATION PER LOCATION

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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-introducing species into previously suitable habitat where the natural population 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.



## INTRODUCTION AND ACTIVITIES IN 2005

### 1.1. Introduction

This report is an update of the annual report of the Studbook Breeding Programme *Pyxis arachnoides* published in 2004. 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 2005, plans for 2006, 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 ESF (European Studbook Foundation) or from the studbook co-ordinator.

In the following sections, an overview of the main activities in 2005 is presented.

### 1.2. Internet site

The internet site of the Studbook Breeding Programme *Pyxis arachnoides* hasn't undergone any changes and also has not been updated or managed. The site will be closed down. More info on this topic in chapter 2. plans for activities in 2006.

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.

### 1.3. Presentations and publications

No publications or presentations were given by studbook participants during 2005.

### 1.4. Contacts

In 2005 the search for interested keepers was continued. Several new locations were found interested in the studbook and so far two new locations were found willing to register their animals. The coordinator is very pleased with the fact that one of these new locations has the subspecies *Pyxis arachnoides brygooi*. Also very pleasant to know is that 3 animals from location A19 (who has not been very cooperative, no response was given during several years despite numerous mails) have "re-entered" the studbook via a new location.

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*.

## PLANS FOR ACTIVITIES IN 2006

The website <http://home.kabelfoon.nl/~loehr/pyxis> will be shut down because it is not managed. The information that still is valuable for the studbook will be inserted in the studbook site of the ESF.

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 always easy to achieve this, due to the fact that the species is highly priced and not always easy to find or not always found at the right time or by the right person(s).

The studbook report of 2004 mentioned the transfer of the studbook coordinators' adult couple to location A08 and the improvement in egg-laying. No more than three hatchlings were produced the previous year.

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 published, in English, to try to boost the interest of the people and to reach a broader public. But it has to be clear that the aim is not to find as many new locations as possible but to find as many interested and willing locations as possible. By this, I mean locations that active take part in the studbook (eg. report changes, report the sex of hatchlings as soon as possible,...).

### 2.1. Internet site

In 2006, the internet site of the Studbook Breeding Programme *Pyxis arachnoides* will be shut down, as mentioned above. The studbook co-ordinator will see what information still is valuable for the studbook and/or for the keepers/breeders of the species. This will be inserted in the next studbook report and/or will be put on the internet site of the European Studbook Foundation.

### 2.2. 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.

## CURRENT LIVING STUDBOOK POPULATION

The total number of registered live specimens *P. arachnoides* increased to 93. No specimens died, and 8 were born at two locations. Nine specimens were acquired from outside the studbook. The specimens are currently housed at 16 locations (15 in 2004) in the Netherlands (8), Belgium (2) 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 2005 are related to subspecies *Pyxis a. arachnoides* and *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 M ???? WILD WILD A08 ~ Jan 1995 _____ Transfer
ROTTERDAM 4 Sep 2002 704790 Loan to
A08 17 Nov 2004 _____ Transfer 3
23 M ???? WILD WILD A05 ???? _____ Transfer
A10 28 Jun 1999 PAAM1 Transfer
A08 29 Sep 2003 _____ Loan to 2
24 F ???? WILD WILD A05 ???? _____ Transfer
A10 28 Jun 1999 PAAF1 Transfer
A08 29 Sep 2003 _____ Loan to 2
26 M ???? WILD WILD A11 ~ 1985 _____ Transfer
A02 29 Dec 1999 I Loan to
A08 18 Feb 2001 _____ Loan to 1
27 M ???? WILD WILD A11 ~ 1985 _____ Transfer
A02 29 Dec 1999 II Loan to
A08 18 Feb 2001 _____ Loan to 1
29 F ???? WILD WILD A11 ~ 1985 _____ Transfer
A02 29 Dec 1999 IV Loan to
A08 18 Feb 2001 _____ Loan to 1
71 F ???? WILD WILD LONDON RP ???? _____ Transfer
ROTTERDAM 23 Dec 2001 704781 Transfer
A08 17 Nov 2004 _____ Loan to 3
80 ? 26 Jul 2002 MULT1 29 A08 26 Jul 2002 _____ Hatch 4
90 ? 08 Aug 2003 MULT1 29 A08 08 Aug 2003 _____ Hatch 4
93 ? 09 Jun 2004 MULT1 29 A08 09 Jun 2004 _____ Hatch 4
112 ? 15 Apr 2005 MULT1 29 A08 15 Apr 2005 _____ Hatch 4
113 ? 15 Apr 2005 23 24 A08 15 Apr 2005 _____ Hatch 4
114 ? 09 Jun 2005 MULT1 29 A08 09 Jun 2005 _____ Hatch 4
115 ? 07 Jul 2005 MULT1 29 A08 07 Jul 2005 _____ Hatch 4
116 ? 06 Jul 2005 23 24 A08 06 Jul 2005 _____ Hatch 4
117 ? 04 Sep 2005 MULT1 29 A08 04 Sep 2005 _____ Hatch 4
118 ? 15 Sep 2005 23 24 A08 15 Sep 2005 _____ Hatch 4
=====

```

Totals: 4.3.10 (17)



**Location: A10**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
79	M	06 May 2002	MULT1	29	A08 A10	06 May 2002 29 Sep 2003	_____	Hatch Transfer
84	F	08 Jun 2002	MULT1	29	A08 A10	08 Jun 2002 29 Sep 2003	_____	Hatch Transfer

Totals: 0.0.2 (2)

**Location: A11**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
68	?	14 Jun 2001	MULT1	29	A02 A11	14 Jun 2001 17 Feb 2002	IV-2 _____	Hatch Transfer
88	?	19 Jun 2003	MULT1	29	A08 A11	19 Jun 2003 22 Jan 2005	_____	Hatch Transfer
89	?	18 Jul 2003	MULT1	29	A08 A11	18 Jul 2003 22 Jan 2005	_____	Hatch Transfer
91	?	31 Aug 2003	MULT1	29	A08 A11	31 Aug 2003 22 Jan 2005	_____	Hatch Transfer
94	?	17 Jun 2004	MULT1	29	A08 A11	17 JUN 2004 22 Jan 2005	_____	Hatch Transfer
95	?	04 Jul 2004	MULT1	29	A08 A11	04 Jul 2004 22 Jan 2005	_____	Hatch Transfer

Totals: 0.0.5 (5)

**Location: A19**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
40	?	13 Aug 1999	UNK1	UNK2	A07 A19	13 Aug 1999 1 Mar 2000	_____	Hatch Transfer 1?

Totals: 0.0.1 (1)

**Location: A22**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
1	M	9 Sep 1996	UNK1	UNK2	A07 A02 A22	9 Sep 1996 22 Nov 1998 24 Feb 2001	_____	Hatch Loan to Loan to 1
2	F	16 Nov 1996	UNK1	UNK2	A07 A02 A22	16 Nov 1996 22 Nov 1998 24 Feb 2001	_____	Hatch Loan to Loan to 1
3	M	16 Sep 1997	UNK1	UNK2	A07 A02 A22	16 Sep 1997 22 Nov 1998 24 Feb 2001	_____	Hatch Loan to Loan to 1
96	F	????	WILD	WILD	A22	27 Dec 2004	_____	Transfer 2
97	M	????	WILD	WILD	A22	27 Dec 2004	_____	Transfer 2

Totals: 3.2.0 (5)

**Location: A23**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
58	M	????	WILD	WILD	A23	30 Jul 2000	DONALD	Transfer	1
59	F	????	WILD	WILD	A23	30 Jul 2000	DAISY	Transfer	1
60	F	????	WILD	WILD	A23	30 Jul 2000	EUSEBI	Transfer	1
61	F	????	WILD	WILD	A23	30 Jul 2000	PAULA	Transfer	2
69	M	????	WILD	WILD	A23	5 Jul 2001	PLUTO	Transfer	2
98	?	04 May 2004	58	60	A23	5 May 2004	KNIRPS	Hatch	3

Totals: 2.3.1 (6)

**Location: A32**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
4	M	????	WILD	WILD	A04 A32	17 May 1999 25 May 2002	ULI ULI	Transfer Loan to	

Totals: 1.0.0 (1)

**Location: A36**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
67	?	15 Mar 2001	MULT1	29	A02 A36	15 Mar 2001 24 Feb 2002	_____ _____	Hatch Transfer	1
82	?	~ Jan 2000	UNK8	UNK9	A32 A36	~ Jan 2000 15 Aug 2002	_____ _____	Hatch Transfer	1
101	?	~2000	UNK8	UNK9	A32 A36	~2000 10 Dec 2004	_____ _____	Hatch Transfer	1

Totals: 0.0.3 (3)

**Location: A39**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
86	?	28 Oct 2000	UNK1	UNK2	A07 A39	28 Oct 2000 16 Jul 2002	_____ _____	Hatch Transfer	1
87	?	29 Aug 2001	UNK1	UNK2	A07 A39	29 Aug 2001 16 Jul 2002	_____ _____	Hatch Transfer	1

Totals: 0.0.2 (2)

**Location: ROTTERDAM**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
20	M	????	WILD	WILD	WASS BR C ROTTERDAM	8 Dec 1990 17 Apr 2002	_____ 704725	Transfer Transfer	1
34	M	????	WILD	WILD	ROTTERDAM	7 Jun 1997	703791	Transfer	2
35	M	????	WILD	WILD	ROTTERDAM	7 Jun 1997	703792	Transfer	3
36	F	????	WILD	WILD	ROTTERDAM	7 Jun 1997	703793	Transfer	2
37	F	????	WILD	WILD	ROTTERDAM	7 Jun 1997	703794	Transfer	4
38	M	????	WILD	WILD	VLISSINGE ROTTERDAM	12 Jul 1987 9 Jul 1997	_____ 703825	Transfer Transfer	4
48	?	21 Oct 1999	34	36	ROTTERDAM	21 Oct 1999	704297	Hatch	5
72	F	????	WILD	WILD	LONDON RP	????	_____	Transfer	

					ROTTERDAM	23 Dec 2001	704582	Transfer	3
73	?	????	WILD	WILD	LONDON RP ROTTERDAM	???? 23 Dec 2001	<u>          </u> 704583	Transfer Transfer	6
102	?	02 Jun 2004	34	36	ROTTERDAM	02 Jun 2004	705088	Hatch	7

Totals: 4.4.3 (11)

**Location: WASS BR C**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
19	M	????	WILD	WILD	WASS BR C	8 Dec 1990	DAMAGE	Transfer	1

Totals: 1.0.0 (1)

**Location: A42**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
41	?	28 Aug 1999	UNK1	UNK2	A07 A19	28 Aug 1999 1 Mar 2000	<u>          </u> 2	Hatch Transfer	1?
42	?	8 Aug 2000	UNK1	UNK2	A07 A19	8 Aug 2000 1 Sep 2000	<u>          </u> 3	Hatch Transfer	1?
43	?	12 Aug 2000	UNK1	UNK2	A07 A19	12 Aug 2000 1 Sep 2000	<u>          </u> 4	Hatch Transfer	1?
107	?	09 Aug 2001	UNK1	UNK2	A07 A42	09 Aug 2001 23 Jul 2002	<u>          </u> STRICH	Hatch Transfer	
108	?	25 Jul 2001	UNK1	UNK2	A07 A42	25 Jul 2001 23 Jul 2002	<u>          </u> GROSSE	Hatch Transfer	
109	?	09 Aug 2001	UNK1	UNK2	A07 A42	09 Aug 2001 23 Jul 2002	<u>          </u> KLETTE	Hatch Transfer	
110	?	1965	WILD	WILD	A42	28 Sep 2002	P004	Transfer	

As mentioned in the previous studbook report, Location A22 transferred 5 juvenile animals to Location A11, due to the agreement between the two participants.

Solitary males fit for breeding are present at locations A08 (specimen 26 or 27, although one male is very old and shows no observed mating behaviour in the group), 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. Location A32 does not want to register the other animals kept at this location.

Location WASS BR C has not given a reply for some time, the studbook co-ordinator will try to find out whether this participant still is keeping the animal.

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).

b) *Pyxis arachnoides brygoi*

Location: A03

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
30	M	????	WILD	WILD	ROTTERDAM A03	14 Jan 1991 4 Jan 1995	702004 HZ0305	Transfer Loan to	1
31	F	????	WILD	WILD	ROTTERDAM A03	14 Jan 1991 4 Jan 1995	702005 HZ0306	Transfer Loan to	1
32	F	11 Nov 1994	30	31	ROTTERDAM A03	11 Nov 1994 25 Apr 1998	703152 HZ0539	Hatch Loan to	2
49	F	????	WILD	WILD	ROTTERDAM A03	???? 21 Jun 1998	_____	Transfer Loan to	1
50	M	1 Jul 1996	30	31	A03	1 Jul 1996	HZ0428	Hatch	3
52	M	14 May 1999	30	31	A03	14 May 1999	HZ0624	Hatch	5
53	F	7 Jun 1999	30	31	A03	7 Jun 1999	HZ0627	Hatch	6
54	?	19 Mar 2000	30	31	A03	19 Mar 2000	HZ0683	Hatch	7
55	?	12 May 2000	30	31	A03	12 May 2000	HZ0691	Hatch	8
92	?	03 May 2003	30	31	A03	03 May 2003	HZ0899	Hatch	

Totals: 3.4.3 (10)

Location: A10

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
74	M	????	UNK1	UNK2	A10	10 Oct 2001	Pabm02	Transfer	1
75	?	????	UNK1	UNK2	A10	10 Oct 2001	Pabu02	Transfer	2
76	M	????	UNK1	UNK2	A10	10 Oct 2001	Pabm01	Transfer	1

Totals: 2.0.1 (3)

Location: A11

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	
56	M	????	WILD	WILD	A11 A03 A11	~1985 16 Oct 1999 08 Nov 2003	_____	Transfer Loan to Transfer	

Totals: 1.0.0 (1)

Location: A41

Stud #	Sex	Hatch date	Sire	Dam	Location	Date	Local ID	Event	
103	M	1998	WILD	WILD	A41	08 Aug 2004	Nigma	Transfer	
104	F	1998	WILD	WILD	A41	08 Aug 2004	Atea	Transfer	
105	F	1992	WILD	WILD	A41	17 Apr 2005	Zora	Transfer	
106	?	10 Jul 2005	103	104	A41	10 Jul 2005	nakweek1	Hatch	

Totals: 1.2.1 (4)

The situation for the subspecies *Pyxis arachnoides brygooi* has slightly altered. A new location has registered not only new animals but also a captive bred specimen. Nevertheless it remains important that location A03, with its captive bred offspring, should consider spreading specimen (for example to form a possible breeding pair with one of the males of location A10 or with the new hatchling 106 at Location A41).

**c) *Pyxis arachnoides oblonga***

**Location: A17**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
13	?	24 Oct 1997	UNK1	UNK2	A06	24 Oct 1997	_____	Hatch
					A17	25 Jul 2000	_____	Transfer 1?
14	?	28 May 1997	UNK1	UNK2	A06	28 May 1997	_____	Hatch
					A17	25 Jul 2000	_____	Transfer 1?
15	?	26 Jun 1997	UNK1	UNK3	A06	26 Jun 1997	_____	Hatch
					A17	25 Jul 2000	_____	Transfer 1?

Totals: 0.0.3 (3)

**Location: A40**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
16	F	27 Apr 1999	UNK1	UNK2	A06	27 Apr 1999	_____	Hatch
					A18	25 Jul 2000	_____	Transfer
					A40	06 Feb 2005	_____	Transfer
17	M	20 Jul 1999	UNK1	UNK2	A06	20 Jul 1999	_____	Hatch
					A18	25 Jul 2000	_____	Transfer
					A40	06 Feb 2005	_____	Transfer
99	M	31 Dec 1999	UNK12	UNK13	A40	21 Jul 2004	_____	Transfer
100	M	31 Dec 1999	UNK12	UNK13	A40	21 Jul 2004	_____	Transfer

Totals: 3.1.0 (2)

Location A18 has transferred his animals to location A40, the male (studbooknumber 17) had no interest in the female (studbooknumber 16) at the previous location. So far, three eggs were laid at location A18. This could prove to be a new breeder of this subspecies.

Location A17 has not been very responsive the past few years.

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

## IMPORTS, BIRTHS AND DEATHS

Imports of *P. arachnoides*, organised by the Studbook Breeding Programme *Pyxis arachnoides*, did not take place in 2005. Plans to import small numbers of *P. a. brygooi* and *P. a. oblonga* might be supported by the programme if the future should prove that no additional keepers/breeders of these subspecies are found.

Two subspecies were bred in 2005, *Pyxis arachnoides arachnoides* (7 at location A08) and *Pyxis arachnoides brygooi* (1 at location A41).

**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	Event	
112	?	15 Apr 2005	MULT1	29	A08	15 Apr 2005	_____	Hatch	4
113	?	15 Apr 2005	23	24	A08	15 Apr 2005	_____	Hatch	4
114	?	09 Jun 2005	MULT1	29	A08	09 Jun 2005	_____	Hatch	4
115	?	07 Jul 2005	MULT1	29	A08	07 Jul 2005	_____	Hatch	4
116	?	06 Jul 2005	23	24	A08	06 Jul 2005	_____	Hatch	4
117	?	04 Sep 2005	MULT1	29	A08	04 Sep 2005	_____	Hatch	4
118	?	15 Sep 2005	23	24	A08	15 Sep 2005	_____	Hatch	4

=====

Totals: 0.0.7 (7)

No *Pyxis* died in 2005

**Table III:** Deaths of *P. arachnoides* in 2005.

=====

**a) *Pyxis arachnoides arachnoides***

=====

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

=====

Totals: 0.0.0 (0)

**b) *Pyxis arachnoides brygooi***

=====

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

=====

Totals: 0.0.0 (0)

**c) *Pyxis arachnoides oblonga***

=====

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

=====

Totals: 0.0.0 (0)

## 5. TOTAL STUDBOOK POPULATION AND FUTURE PERSPECTIVES

The current total registered studbook population consists of 109 specimens: 76 *P. a. arachnoides*, 7 *P. a. oblonga*, and 26 *P. a. brygooi*. From these, 41 are wild-caught specimens and 68 are captive-bred. Captive-bred specimens of all three subspecies are present. All but 16 tortoises are currently alive, housed at 16 (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* could 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 2005, 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*.

**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	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
1	M	9 Sep 1996	UNK1	UNK2	A07	9 Sep 1996		Hatch
					A02	22 Nov 1998	960909	Loan to
					A22	24 Feb 2001		Loan to
2	F	16 Nov 1996	UNK1	UNK2	A07	16 Nov 1996		Hatch
					A02	22 Nov 1998	961116	Loan to
					A22	24 Feb 2001		Loan to
3	M	16 Sep 1997	UNK1	UNK2	A07	16 Sep 1997		Hatch
					A02	22 Nov 1998	970916	Loan to
					A22	24 Feb 2001		Loan to
4	M	????	WILD	WILD	A04	17 May 1999	ULI	Transfer
					A32	25 May 2002	ULI	Loan to
5	F	????	WILD	WILD	A04	17 May 1999 30 Jun 2001	ESTHER	Transfer Death
18	M	????	WILD	WILD	A08	~ Jan 1995		Transfer
					ROTTERDAM	4 Sep 2002	704790	Loan to
					A08	17 Nov 2004		Transfer
19	M	????	WILD	WILD	WASS BR C	8 Dec 1990	DAMAGE	Transfer
20	M	????	WILD	WILD	WASS BR C	8 Dec 1990		Transfer
					ROTTERDAM	17 Apr 2002	704725	Transfer
21	F	????	WILD	WILD	WASS BR C	8 Dec 1990		Transfer
					ROTTERDAM	17 Apr 2002	704726	Transfer
					ROTTERDAM	13 Jun 2003	704726	Death
22	M	????	WILD	WILD	A05	????		Transfer
					A10	28 Jun 1999	PAAM1	Transfer
						26 Sep 2003	PAAM1	Death
23	M	????	WILD	WILD	A05	????		Transfer
					A10	28 Jun 1999	PAAM2	Transfer
24	F	????	WILD	WILD	A05	????		Transfer

					A10	28 Jun 1999	PAAF1	Transfer
25	?	2 Sep 1999	UNK3	24	A05 A10	2 Sep 1999 18 Sep 1999 20 Feb 2000	_____ PAAU1	Hatch Transfer Death
26	M	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 18 Feb 2001	_____ I	Transfer Loan to Loan to
27	M	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 18 Feb 2001	_____ II	Transfer Loan to Loan to
28	F	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 31 Dec 2000 9 Mar 2002	_____ III	Transfer Loan to Loan to Death
29	F	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 18 Feb 2001	_____ IV	Transfer Loan to Loan to
33	M	????	WILD	WILD	ROTTERDAM LONDON RP	14 Jan 1991 11 Aug 2000 ~ Jul 2001	702003 _____	Transfer Loan to Death
34	M	????	WILD	WILD	ROTTERDAM	7 Jun 1997	703791	Transfer
35	M	????	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	M	????	WILD	WILD	VLISSINGE ROTTERDAM	12 Jul 1987 9 Jul 1997	_____ 703825	Transfer Transfer
39	F	????	WILD	WILD	VLISSINGE ROTTERDAM	12 Jul 1987 9 Jul 1997 9 Mar 2001	_____ 703826	Transfer Transfer Death
40	?	13 Aug 1999	UNK1	UNK2	A07 A19	13 Aug 1999 1 Mar 2000	_____ 1	Hatch Transfer
41	?	28 Aug 1999	UNK1	UNK2	A07 A19	28 Aug 1999 1 Mar 2000	_____ 2	Hatch Transfer
42	?	8 Aug 2000	UNK1	UNK2	A07 A19	8 Aug 2000 1 Sep 2000	_____ 3	Hatch Transfer
43	?	12 Aug 2000	UNK1	UNK2	A07 A19	12 Aug 2000 1 Sep 2000	_____ 4	Hatch Transfer
48	?	21 Oct 1999	34	36	ROTTERDAM	21 Oct 1999	704297	Hatch
58	M	????	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 Aug 1998 16 Sep 1999	_____ TIC	Hatch Transfer
65	?	1 Aug 1998	UNK6	UNK7	A24 A23	1 Aug 1998 1 Jul 1999	_____ TRIC	Hatch Transfer
66	?	1 Aug 1998	UNK6	UNK7	A24 A23	1 Aug 1998 1 Jul 1999	_____ TRAC	Hatch Transfer
67	?	15 Mar 2001	MULT1	29	A02 A36	15 Mar 2001 24 Feb 2002	_____ IV-1	Hatch Transfer
68	?	14 Jun 2001	MULT1	29	A02 A11	14 Jun 2001 17 Feb 2002	_____ IV-2	Hatch Transfer
69	M	????	WILD	WILD	A23	5 Jul 2001	PLUTO	Transfer
70	M	????	WILD	WILD	A23	14 Jul 2001 1 Apr 2002	OSCAR	Transfer Death



71	F	????	WILD	WILD	LONDON RP ROTTERDAM A08	???? 23 Dec 2001 17 Nov 2004	704781	Transfer Transfer Transfer	
72	F	????	WILD	WILD	LONDON RP ROTTERDAM	???? 23 Dec 2001	704582	Transfer Transfer	
73	?	????	WILD	WILD	LONDON RP ROTTERDAM	???? 23 Dec 2001	704583	Transfer Transfer	
79	?	6 May 2002	MULT1	29	A08 A10	6 May 2002 24 Sep 2005		Hatch Transfer	
80	?	26 Jul 2002	MULT1	29	A08	26 Jul 2002		Hatch	
81	?	~ Jan 2000	UNK8	UNK9	A32 A36 A36	~ Jan 2000 15 Aug 2002 ~2004		Hatch Transfer Death	
82	?	~ Jan 2000	UNK8	UNK9	A32 A36	~ Jan 2000 15 Aug 2002		Hatch Transfer	
83	F	~ 1996	UNK10	UNK11	A38 A23 A23	~ 1996 1 Aug 2002 17 Jan 2004	TAMARA TAMARA	Hatch Transfer Death	
84	?	8 Jun 2002	MULT1	29	A08 A10	8 Jun 2002 24 Sep 2005		Hatch Transfer	
85	M	~1980	WILD	WILD	A22 A22	10 Sep 2002 ~2004		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 A11	19 Jun 2003 22 Jan 2005		Hatch Transfer	
89	?	18 Jul 2003	MULT1	29	A08 A11	18 Jul 2003 22 Jan 2005		Hatch Transfer	
90	?	8 Aug 2003	MULT1	29	A08	8 Aug 2003		Hatch	
91	?	31 Aug 2003	MULT1	29	A08 A11	31 Aug 2003 22 Jan 2005		Hatch Transfer	
93	?	09 Jun 2004	MULT1	29	A08	09 Jun 2004		Hatch	
94	?	17 Jun 2004	MULT1	29	A08 A11	17 Jun 2004 22 Jan 2005		Hatch Transfer	
95	?	04 Jul 2004	MULT1	29	A08 A11	04 Jul 2004 22 Jan 2005		Hatch Transfer	
96	F	????	WILD	WILD	A22	27 Dec 2004		Transfer	
97	M	????	WILD	WILD	A22	27 Dec 2004		Transfer	
98	?	04 May 2004	58	60	A23	04 May 2004	KNIRPS	Hatch	
101	?	~2000	UNK8	UNK9	A32 A36	~2000 10 Dec 2004		Hatch Transfer	
102	?	02 Jun 2004	34	36	ROTTERDAM	02 Jun 2004		Hatch	
107	?	09 Aug 2001	UNK1	UNK2	A07 A42	09 Aug 2001 23 Jul 2002	STRICH	Hatch Transfer	
108	?	25 Jul 2001	UNK1	UNK2	A07 A42	25 Jul 2001 23 Jul 2002	GROSSE	Hatch Transfer	
109	?	09 Aug 2001	UNK1	UNK2	A07 A42	09 Aug 2001 23 Jul 2002	KLETTE	Hatch Transfer	
110	?	1965	WILD	WILD	A42	28 Sep 2002	P004	Transfer	
112	?	15 Apr 2005	MULT1	29	A08	15 Apr 2005		Hatch	4
113	?	15 Apr 2005	23	24	A08	15 Apr 2005		Hatch	4
114	?	09 Jun 2005	MULT1	29	A08	09 Jun 2005		Hatch	4

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115	?	07 Jul 2005	MULT1	29	A08	07 Jul 2005	_____	Hatch	4	
116	?	06 Jul 2005		23	24	A08	06 Jul 2005	_____	Hatch	4
117	?	04 Sep 2005	MULT1	29	A08	04 Sep 2005	_____	Hatch	4	
118	?	15 Sep 2005		23	24	A08	15 Sep 2005	_____	Hatch	4

Totals: 19.16.40 (75)

**b) *Pyxis arachnoides brygoi***

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
6	?	????	WILD	WILD	A04	19 Sep 1998 ~15 Aug 2002	_____	Transfer Death
7	?	????	WILD	WILD	A04	19 Sep 1998	_____	Transfer
8	?	????	WILD	WILD	A04	19 Sep 1998 ~15 Aug 2002	_____	Transfer Death
9	?	????	WILD	WILD	A04	19 Sep 1998 ~15 Aug 2002	_____	Transfer Death
30	M	????	WILD	WILD	ROTTERDAM A03	14 Jan 1991 4 Jan 1995	702004 HZ0305	Transfer Loan to
31	F	????	WILD	WILD	ROTTERDAM A03	14 Jan 1991 4 Jan 1995	702005 HZ0306	Transfer Loan to
32	?	10 Oct 1994	30	31	ROTTERDAM A03	10 Oct 1994 25 Apr 1998	703152 HZ0539	Hatch Loan to
49	F	????	WILD	WILD	ROTTERDAM A03	???? 21 Jun 1998	_____	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	M	????	WILD	WILD	A11 A03 A11	~ 1985 16 Oct 1999 08 Nov 2003	_____	Transfer Loan to Transfer
57	F	????	WILD	WILD	A11 A03	~ 1985 16 Oct 1999	_____	Transfer Loan to
74	M	????	UNK1	UNK2	A10	10 Oct 2001	Pabm02	Transfer
75	?	????	UNK1	UNK2	A10	10 Oct 2001	Pabu02	Transfer
76	M	????	UNK1	UNK2	A10	10 Oct 2001	Pabm01	Transfer
77	?	????	UNK1	UNK2	A10	10 Oct 2001 15 Feb 2002	PABU04 PABU04	Transfer Death
78	?	????	UNK1	UNK2	A10	10 Oct 2001 01 Dec 2002	PABU05 PABU05	Transfer Death
92	?	????	30	31	A03	03 May 2003	HZ0899	Hatch
103	M	1998	WILD	WILD	A41	08 Aug 2004	Nigma	Transfer
104	F	1998	WILD	WILD	A41	08 Aug 2004	Atea	Transfer
105	F	1992	WILD	WILD	A41	17 Apr 2005	Zora	Transfer

106 ? 10 Jul 2005 103 104 A41 10 Jul 2005 nakweek1 Hatch

Totals: 5.5.16 (26)

**c) *Pyxis arachnoides oblonga***

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
13	?	24 Oct 1997	UNK1	UNK2	A06	24 Oct 1997	_____	Hatch
					A17	25 Jul 2000	_____	Transfer
14	?	28 May 1997	UNK1	UNK2	A06	28 May 1997	_____	Hatch
					A17	25 Jul 2000	_____	Transfer
15	?	26 Jun 1997	UNK1	UNK3	A06	26 Jun 1997	_____	Hatch
					A17	25 Jul 2000	_____	Transfer
16	F	27 Apr 1999	UNK1	UNK2	A06	27 Apr 1999	_____	Hatch
					A18	25 Jul 2000	_____	Transfer
					A40	06 Feb 2005	_____	Transfer
17	M	20 Jul 1999	UNK1	UNK2	A06	20 Jul 1999	_____	Hatch
					A18	25 Jul 2000	_____	Transfer
					A40	06 Feb 2005	_____	Transfer
99	M	31 Dec 1999	UNK12	UNK13	A40	21 Jul 2004	_____	Transfer
100	M	31 Dec 1999	UNK12	UNK13	A40	21 Jul 2004	_____	Transfer

Totals: 3.1.3 (7)

## **Appendix 1**

### **Husbandry conditions and additional information per location**