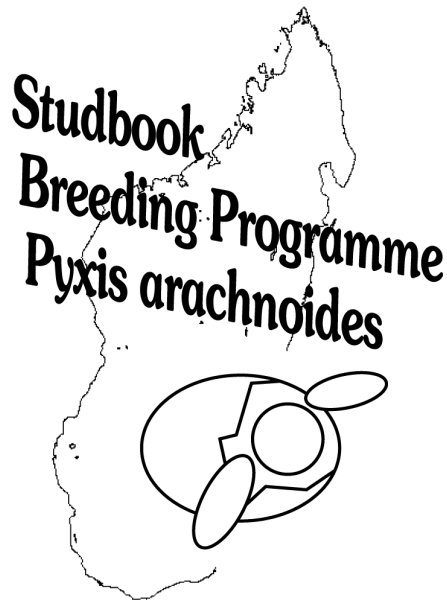


Studbook ***Pyxis arachnoides***

Breeding Programme



Annual Report **2007**

Studbook keeper Frank Van Loon
March 2008

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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 2007

1.1. Introduction

This report is an update of the annual report of the Studbook Breeding Programme *Pyxis arachnoides* published in 2006. 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 2007, plans for 2008, 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 2007 is presented.

1.2. Presentations and publications

No publications or presentations were given by studbook participants during 2007.

1. PLANS FOR ACTIVITIES IN 2008

Since the subspecies *brygooi* and *oblonga* are very limited in numbers in the studbook registration, we must try to find as many interested keepers as possible. A subspecies with so few animals registered is not viable. It is the opinion of the coordinator that more animals are present on the European continent. Contacts have been made, by the studbook co-ordinator, with keepers of the subspecies *brygooi*, but for some (or more) reason(s), people are (very) reluctant to join the studbook. It could be that some keepers are of the opinion that there is a lot of work involved with the registration itself or with being registered. It should be pointed out more clearly that this is not the case. On the other hand, is it advisable to register the animals or join the studbook if one is not committed? This is a problem not only for this studbook but for more studbooks. This is something that needs attention.

2.1. Internet site

As mentioned earlier, the internet site is shutdown, valuable information will be transferred to the site of the ESF.

2. CURRENT LIVING STUDBOOK POPULATION

The total number of registered live specimens *P. arachnoides* increased to 118. One specimen died, and 5 were born at 4 locations. Two specimens were acquired from outside the studbook. The specimens are currently housed at 17 locations in the Netherlands (8), Belgium (2) and Germany (7). All subspecies are represented in the studbook, but *P. a. oblonga* and *P. a. brygooi* are very limited in numbers.

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 ROTTERDAM A08	~ Jan 1995 4 Sep 2002 17 Nov 2004	704790	Transfer Loan to Transfer	3
23	M	????	WILD	WILD	A05 A10 A08	???? 28 Jun 1999 29 Sep 2003	PAAM1	Transfer Transfer Loan to	2
24	F	????	WILD	WILD	A05 A10 A08	???? 28 Jun 1999 29 Sep 2003	PAAF1	Transfer Transfer Loan to	2
26	M	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 18 Feb 2001	I	Transfer Loan to Loan to	1
27	M	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 18 Feb 2001	II	Transfer Loan to Loan to	1
29	F	????	WILD	WILD	A11 A02 A08	~ 1985 29 Dec 1999 18 Feb 2001	IV	Transfer Loan to Loan to	1
71	F	????	WILD	WILD	LONDON RP ROTTERDAM A08	???? 23 Dec 2001 17 Nov 2004	704781	Transfer Transfer 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
131	?	27 Apr 2006	MULT1	29	A08	27 Apr 2006		Hatch	4
132	?	19 Apr 2006	23	24	A08	19 Apr 2006		Hatch	4
133	?	07 Jun 2006	23	24	A08	07 Jun 2006		Hatch	4
134	?	09 Aug 2006	MULT1	29	A08	09 Aug 2006		Hatch	4
135	?	27 Aug 2006	23	24	A08	27 Aug 2006		Hatch	4
136	?	06 Sep 2006	MULT1	29	A08	06 Sep 2006		Hatch	4
141	?	23 Feb 2007	23	24	A08	23 Feb 2007		Hatch	4

Totals: 4.3.17 (23)

=====
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	M	08 Jun 2002	MULT1	29	A08 A10	08 Jun 2002 29 Sep 2003		Hatch Transfer	

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Totals: 2.0.0 (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: 0.0.6 (6)

Location: A12

Stud#	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
119	M	~1995	WILD	WILD	A12	~2001	Pyxi 5	Transfer
120	F	~1995	WILD	WILD	A12	~2001	W1	Transfer
121	F	~1995	WILD	WILD	A12	~2001	W2	Transfer
122	F	~1995	WILD	WILD	A12	~2001	W3	Transfer
123	M	~1995	WILD	WILD	A12	~2001	M4	Transfer
124	M	~1995	WILD	WILD	A12	~2001	M3	Transfer
125	M	~1997	WILD	WILD	A12	~2001	M2	Transfer
126	?	~1999	WILD	WILD	A12	~2001	U1	Transfer
127	M	~1999	WILD	WILD	A12	~2001	M1	Transfer
128	M	~1999	WILD	WILD	A12	~2001	M6	Transfer
129	?	~1999	WILD	WILD	A12	~2001	U2	Transfer
130	?	~2004	119/123	115	A12	~2004	NZ1	Hatch

Totals: 6.3.3 (12)

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	970916	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	F	15 Mar 2001	MULT1	29	A02 A36	15 Mar 2001 24 Feb 2002		Hatch Transfer	1
82	M	~ 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: 1.1.1 (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

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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	<u> </u> 703825	Transfer Transfer	4
48	?	21 Oct 1999	34	36	ROTTERDAM	21 Oct 1999	704297	Hatch	5
72	F	????	WILD	WILD	LONDON RP ROTTERDAM	???? 23 Dec 2001	<u> </u> 704582	Transfer 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
137	?	12 Apr 2006	34	36	ROTTERDAM	12 Apr 2006	705433	Hatch	
138	?	09 Jun 2006	34	36	ROTTERDAM	09 Jun 2006	705480	Hatch	
142	?	04 May 2007	34	36	ROTTERDAM	04 May 2007	705683	Hatch	
143	?	29 Sep 2007	34	36	ROTTERDAM	29 Sep 2007	705842	Hatch	

Totals: 4.3.7 (14)

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

Totals: 1.0.0 (1)

Location: A42

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
41	F	28 Aug 1999	UNK1	UNK2	A07 A19 A42	28 Aug 1999 1 Mar 2000 1 Dec 2003	<u> </u> <u> </u> P007	Hatch Transfer Transfer
42	F	8 Aug 2000	UNK1	UNK2	A07 A19 A42	8 Aug 2000 1 Sep 2000 1 Dec 2003	<u> </u> <u> </u> P006	Hatch Transfer Transfer
107	F	09 Aug 2001	UNK1	UNK2	A07 A42	09 Aug 2001 23 Jul 2002	<u> </u> P001	Hatch Transfer
108	F	25 Jul 2001	UNK1	UNK2	A07 A42	25 Jul 2001 23 Jul 2002	<u> </u> P002	Hatch Transfer
109	F	09 Aug 2001	UNK1	UNK2	A07 A42	09 Aug 2001 23 Jul 2002	<u> </u> P003	Hatch Transfer
110	M	1965	WILD	WILD	A42	28 Sep 2002	P004	Transfer
111	F	~feb 2002	WILD	WILD	A09	16 Jan 2005	P009	Transfer

Totals: 1.6.0 (7)

b) *Pyxis arachnoides brygooi*

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

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	_____ HZ0561	Transfer Loan to	1
50	M	1 Jul 1996	30	31	A03	1 Jul 1996	HZ0428	Hatch	3
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
92	?	03 May 2003	30	31	A03	03 May 2003	HZ0899	Hatch	

Totals: 2.4.2 (8)

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	_____ HZ0664 _____	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	
112	?	14 Jul 2006	103	104	A41	14 Jul 2006	Minicix	Hatch	
113	?	30 Jun 2006	103	104	A41	30 Jun 2006	Erigone	Hatch	
139	F	1999	WILD	WILD	A41	21 Feb 2007	Eresus	Transfer	
140	F	2001	WILD	WILD	A41	21 Feb 2007	Niger	Transfer	
144	?	14 Sep 2007	103	105	A41	14 Sep 2007	Agineta	Hatch	

Totals: 1.4.4 (9)

c) *Pyxis arachnoides oblonga*

Location: A17

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

13	?	24 Oct 1997	UNK1	UNK2	A06 A17	24 Oct 1997 25 Jul 2000	_____	Hatch Transfer	1?
14	?	28 May 1997	UNK1	UNK2	A06 A17	28 May 1997 25 Jul 2000	_____	Hatch Transfer	1?
15	?	26 Jun 1997	UNK1	UNK3	A06 A17	26 Jun 1997 25 Jul 2000	_____	Hatch 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 A18 A40	27 Apr 1999 25 Jul 2000 06 Feb 2005	_____	Hatch Transfer Transfer
17	M	20 Jul 1999	UNK1	UNK2	A06 A18 A40	20 Jul 1999 25 Jul 2000 06 Feb 2005	_____	Hatch Transfer 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 (4)

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

3. IMPORTS, BIRTHS AND DEATHS

Imports of *P. arachnoides*, organised by the Studbook Breeding Programme *Pyxis arachnoides*, did not take place in 2007. 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.

Three subspecies were bred in 2007, *Pyxis arachnoides arachnoides* (1 at location A08, 2 at ROTTERDAM), *Pyxis arachnoides brygooi* (1 at location A41) and *Pyxis arachnoides oblonga* (1 at location A40).

Table II: Births of *P. arachnoides* in 2007.

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

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
141	?	23 Feb 2007	23	24	A08	23 Feb 2007	_____	Hatch
142	?	04 May 2007	34	36	ROTTERDAM	04 May 2007	705683	Hatch
143	?	29 Sep 2007	34	36	ROTTERDAM	29 Sep 2007	705842	Hatch

Totals: 0.0.3 (3)

b) *Pyxis arachnoides brygooi*

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
144	?	14 Sep 2007	103	105	A41	14 Sep 2007	Agineta	Hatch

Totals: 0.0.2 (2)

c) *Pyxis arachnoides oblonga*

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
145	?	16 Maa 2007	99	16	A40	16 Maa 2007		Hatch

Totals: 0.0.1 (1)

One *Pyxis* died in 2007, one *Pyxis a. oblonga*.

Table III: Deaths of *P. arachnoides* in 2007.

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
145	?	16 Maa 2007	99	16	A40	16 Maa 2007		Hatch
					A40	12 Aug 2007		Death

Totals: 0.0.1 (1)

4. TOTAL STUBBOOK POPULATION AND FUTURE PERSPECTIVES

The current total registered studbook population consists of 138 specimens: 99 *P. a. arachnoides*, 8 *P. a. oblonga*, and 31 *P. a. brygooi*. From these, 43 are wild-caught specimens and 95 are captive-bred. Captive-bred specimens of all three subspecies are present. All but 20 tortoises are currently alive, housed at 17 (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 2007, 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 26 Sep 2003	PAAM1 PAAM1	Transfer 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	2 Sep 1999		Hatch
					A10	18 Sep 1999	PAAU1	Transfer
					A10	20 Feb 2000		Death
26	M	????	WILD	WILD	A11	~ 1985		Transfer
					A02	29 Dec 1999	I	Loan to
					A08	18 Feb 2001		Loan to
27	M	????	WILD	WILD	A11	~ 1985		Transfer
					A02	29 Dec 1999	II	Loan to
					A08	18 Feb 2001		Loan to
28	F	????	WILD	WILD	A11	~ 1985		Transfer
					A02	29 Dec 1999	III	Loan to
					A08	31 Dec 2000 9 Mar 2002		Loan to Death
29	F	????	WILD	WILD	A11	~ 1985		Transfer
					A02	29 Dec 1999	IV	Loan to
					A08	18 Feb 2001		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	F	28 Aug 1999	UNK1	UNK2	A07 A19 A42	28 Aug 1999 1 Mar 2000 1 Dec 2003	_____ _____ P007	Hatch Transfer Transfer
42	F	8 Aug 2000	UNK1	UNK2	A07 A19 A42	8 Aug 2000 1 Sep 2000 1 Dec 2003	_____ _____ P006	Hatch Transfer Transfer
43	?	12 Aug 2000	UNK1	UNK2	A07 A19 A42 A42	12 Aug 2000 1 Sep 2000 1 dec 2003 26 Mar 2006	_____ 4 4 P005	Hatch Transfer Transfer Death
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	F	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	M	~ 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	M	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	
111	F	~feb 2002	WILD	WILD	A09	16 Jan 2005	P009	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
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
119	M	~1995	WILD	WILD	A12	~2001	Pyxi 5	Transfer	
120	F	~1995	WILD	WILD	A12	~2001	W1	Transfer	
121	F	~1995	WILD	WILD	A12	~2001	W2	Transfer	
122	F	~1995	WILD	WILD	A12	~2001	W3	Transfer	
123	M	~1995	WILD	WILD	A12	~2001	M4	Transfer	
124	M	~1995	WILD	WILD	A12	~2001	M3	Transfer	
125	M	~1997	WILD	WILD	A12	~2001	M2	Transfer	
126	?	~1999	WILD	WILD	A12	~2001	U1	Transfer	

127	M		~1999	WILD	WILD	A12	~2001	M1	Transfer		
128	M		~1999	WILD	WILD	A12	~2001	M6	Transfer		
129	?		~1999	WILD	WILD	A12	~2001	U2	Transfer		
130	?		~2004	119/123	115	A12	~2004	NZ1	Hatch		
131	?	27 Apr 2006		MULT1	29	A08	27 Apr 2006	_____	Hatch	4	
132	?	19 Apr 2006			23	24	A08	19 Apr 2006	_____	Hatch	4
133	?	07 Jun 2006			23	24	A08	07 Jun 2006	_____	Hatch	4
134	?	09 Aug 2006		MULT1	29	A08	09 Aug 2006	_____	Hatch	4	
135	?	27 Aug 2006			23	24	A08	27 Aug 2006	_____	Hatch	4
136	?	06 Sep 2006		MULT1	29	A08	06 Sep 2006	_____	Hatch	4	
137	?	12 Apr 2006			34	36	ROTTERDAM	12 Apr 2006	705433	Hatch	
138	?	09 Jun 2006			34	36	ROTTERDAM	09 Jun 2006	705480	Hatch	
141	?	23 Feb 2007			23	24	A08	23 Feb 2007	_____	Hatch	4
142	?	04 May 2007			34	36	ROTTERDAM	04 May 2007	705683	Hatch	
143	?	29 Sep 2007			34	36	ROTTERDAM	29 Sep 2007	705842	Hatch	

Totals: 27.23.49 (99)

b) *Pyxis arachnoides brygooi*

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 ~15 Aug 2002	_____	Transfer Death
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	_____ 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 02 May 2006	HZ0624 HZ0624	Hatch Death
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 15 Dec 2006	HZ0691 HZ0691	Hatch Death
56	M	????	WILD	WILD	A11 A03 A11	~ 1985 16 Oct 1999 08 Nov 2003	_____ HZ0664 _____	Transfer Loan to Transfer

57	F	????	WILD	WILD	A11 A03	~ 1985 16 Oct 1999	_____	HZ0665	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
112	?	14 Jul 2006	103	104	A41	14 Jul 2006		Minicix	Hatch
113	?	30 Jun 2006	103	104	A41	30 Jun 2006		Erigone	Hatch
139	F	1999	WILD	WILD	A41	21 Feb 2007		Eresus	Transfer
140	F	2001	WILD	WILD	A41	21 Feb 2007		Niger	Transfer
144	?	14 Sep 2007	103	105	A41	14 Sep 2007		Agineta	Hatch

Totals: 5.7.19 (31)

c) *Pyxis arachnoides oblonga*

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
13	?	24 Oct 1997	UNK1	UNK2	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	UNK3	A06 A17	26 Jun 1997 25 Jul 2000	_____ _____	Hatch Transfer
16	F	27 Apr 1999	UNK1	UNK2	A06 A18 A40	27 Apr 1999 25 Jul 2000 06 Feb 2005	_____ _____ _____	Hatch Transfer Transfer
17	M	20 Jul 1999	UNK1	UNK2	A06 A18 A40	20 Jul 1999 25 Jul 2000 06 Feb 2005	_____ _____ _____	Hatch Transfer 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
145	?	16 Maa 2007	99	16	A40	16 Maa 2007 12 Aug 2007	_____ _____	Hatch Death

Totals: 3.1.4 (8)