

Studbook Breeding Programme
Pyxis arachnoides
(Malagasy spider tortoise)



Photo by Frank van Loon

Annual Report 2011 / 2012

Frank van Loon studbook keeper



European
Studbook
Foundation

KvK nr. 41136106

www.studbooks.eu

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1.Introduction

This report is an update of the annual report of the Studbook Breeding Programme *Pyxis arachnoides* published in 2010. The programme aims to form a genetically healthy, reproducing captive population, to study and to gather and distribute as much information about *Pyxis 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. Although *Pyxis a. arachnoides* appears to be present in Europe in sufficiently large numbers for a viable studbook, the situation for the other two subspecies, *brygooi* and *oblonga*, is somewhat different. Although both subspecies are bred in captivity, the total number of living tortoises in the studbook is too low to form a genetical healthy captive population. In the (near) future it might be advisable to establish closer contacts outside Europe to import tortoises of both subspecies (*brygooi* and *oblonga*).

2. Current living studbook population

Table I: Current living studbook population *Pyxis arachnoides* per location as registered in the studbook.

MULT1 is Sire 26 or 27

MULT2 is Dam 104 or 105

MULT3 is Sire 161, 162, 164 or 165

MULT4 is Dam 163 or 177

MULT5 is Sire 119 or 123

MULT6 is Sire 209, 211 or 212
 MULT7 is Dam 208, 210 or 217

a) Pyxis arachnoides arachnoides

There are currently 112 live animals (49.29.34) at 19 locations

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
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
68	?	14 Jun 2001	MULT1	29	A02 A11 A08	14 Jun 2001 17 Feb 2002 2010	IV-2	Hatch Transfer Transfer
79	M	06 May 2002	MULT1	29	A08 A10 A08	06 May 2002 29 Sep 2003 12 Oct 2008		Hatch Transfer Transfer
84	M	08 Jun 2002	MULT1	29	A08 A10 A08	08 Jun 2002 29 Sep 2003 12 Oct 2008		Hatch Transfer Transfer
88	?	19 Jun 2003	MULT1	29	A08 A11 A08	19 Jun 2003 22 Jan 2005 30 Dec 2010		Hatch Transfer Transfer
89	?	18 Jul 2003	MULT1	29	A08 A11 A08	18 Jul 2003 22 Jan 2005 30 Dec 2010		Hatch Transfer Transfer
91	M	31 Aug 2003	MULT1	29	A08 A11 A08	31 Aug 2003 22 Jan 2005 30 Dec 2010		Hatch Transfer Transfer
95	F	04 Jul 2004	MULT1	29	A08 A11 A08	04 Jul 2004 22 Jan 2005 30 Dec 2010		Hatch Transfer Transfer
112	M	15 Apr 2005	MULT1	29	A08	15 Apr 2005		Hatch
113	M	15 Apr 2005	23	24	A08	15 Apr 2005		Hatch
117	?	04 Sep 2005	MULT1	29	A08 A11 A08	04 Sep 2005 03 Jan 2009 2010		Hatch Transfer Transfer
118	M	15 Sep 2005	23	24	A08	15 Sep 2005		Hatch
131	?	27 Apr 2006	MULT1	29	A08	27 Apr 2006		Hatch
132	?	19 Apr 2006	23	24	A08 A11 A08	19 Apr 2006 03 Jan 2009 30 Dec 2010		Hatch Transfer Transfer
133	?	07 Jun 2006	23	24	A08	07 Jun 2006		Hatch
134	?	09 Aug 2006	MULT1	29	A08	09 Aug 2006		Hatch

					A11	03 Jan 2009	_____	Transfer
					A08	30 Dec 2010	_____	Transfer
136	?	06 Sep 2006	MULT1	29	A08	06 Sep 2006	_____	Hatch
137	F	12 Apr 2006	34	36	ROTTERDAM A08	12 Apr 2006 14 Sep 2011	705433 _____	Hatch Transfer
141	?	23 Feb 2007	23	24	A08	23 Feb 2007	_____	Hatch
143	F	29 Sep 2007	34	36	ROTTERDAM A08	29 Sep 2007 14 Sep 2011	705842 _____	Hatch Transfer
166	?	16 Mar 2010	23	24	A08	16 Mar 2010	_____	Hatch
197	?	16 Apr 2010	MULT1	29	A08	16 Apr 2010	_____	Hatch

Totals: 9.3.12 (24)

Location: A10

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
23	M	????	WILD	WILD	A05	????	_____	Transfer
					A10	28 Jun 1999	PAAM1	Transfer
					A08	29 Sep 2003	_____	Loan to
					A10	2012	_____	Transfer
24	F	????	WILD	WILD	A05	????	_____	Transfer
					A10	28 Jun 1999	PAAF1	Transfer
					A08	29 Sep 2003	_____	Loan to
					A10	2012	_____	Transfer
74	M	????	UNK3	UNK4	A10	10 Oct 2001	_____	Transfer
76	M	????	UNK3	UNK4	A10	10 Oct 2001	_____	Transfer
114	M	09 Jun 2005	MULT1	29	A08	09 Jun 2005	_____	Hatch
					A10	12 Okt 2008	_____	Transfer
116	M	06 Jul 2005	23	24	A08	06 Jul 2005	_____	Hatch
					A10	12 Okt 2008	_____	Transfer
135	F	27 Aug 2006	23	24	A08	27 Aug 2006	_____	Hatch
					A10	12 Okt 2008	_____	Transfer
140	M	2001	WILD	WILD	A41	21 Feb 2007	_____	Transfer
					A10	2010	_____	Transfer

Totals: 6.2.0 (8)

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	MULT5	115	A12	~2004	NZ1	Hatch

Totals: 6.3.3 (12)

Location: A13

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
48	M	21 Oct 1999	34	36	ROTTERDAM A13	21 Oct 1999 27 Aug 2010	704297 _____	Hatch Transfer

Totals: 1.0.0 (1)

Location: A21

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
146	?	26 Dec 2006	UNK14	UNK15	A26 A21	26 Dec 2006 08 Dec 2009	_____ Bara	Hatch Transfer
147	?	26 Dec 2006	UNK14	UNK16	A26 A21	26 Dec 2006 08 Dec 2009	_____ Merina	Hatch Transfer
149	?	25 Dec 2007	UNK14	UNK15	A26 A21	25 Dec 2007 08 Dec 2009	_____ Vazimba	Hatch Transfer
203	?	29 Aug 2008	UNK1	UNK2	A07 A21	29 Aug 2008 31 May 2011	_____ Tanala	Hatch Transfer

Totals: 0.0.4 (4)

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	_____ 960909 _____	Hatch Loan to Loan to
2	F	16 Nov 1996	UNK1	UNK2	A07 A02 A22	16 Nov 1996 22 Nov 1998 24 Feb 2001	_____ 961116 _____	Hatch Loan to Loan to
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
96	F	????	WILD	WILD	A22	27 Dec 2004	_____	Transfer
97	M	????	WILD	WILD	A22	27 Dec 2004	_____	Transfer

Totals: 3.2.0 (5)

Location: A23

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
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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
69	M	????	WILD	WILD	A23	5 Jul 2001	PLUTO	Transfer
98	?	04 May 2004	58	60	A23	5 May 2004	KNIRPS	Hatch

Totals: 2.3.4 (9)

Location: A27

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
94	M	17 Jun 2004	MULT1	29	A08 A11 A08 A27	17 JUN 2004 22 Jan 2005 30 Dec 2010 09 Jun 2011	_____ _____ _____ _____	Hatch Transfer Transfer Transfer
155	F	????	WILD	WILD	A33 A25 A27	???? 2006 2012	_____ _____ _____	Transfer Transfer Transfer
156	M	????	UNK1	UNK2	A07 A25 A27	2002 2009 2012	_____ _____ _____	Hatch Transfer Transfer
187	M	????	WILD	WILD	A27	2010	49518	Transfer
202	M	????	WILD	WILD	A27	30 May 2009	_____	Transfer

Totals: 4.1.0. (5)

Location: A30

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
208	F	1998	WILD	WILD	A30	23 Dec 2003	__3002	Transfer
209	M	1998	WILD	WILD	A30	23 Dec 2003	__3004	Transfer
210	F	1994	WILD	WILD	A30	18 Dec 2004	__2966	Transfer
211	M	1996	WILD	WILD	A30	18 Dec 2004	__2967	Transfer
212	M	1996	WILD	WILD	A30	18 Dec 2004	__2968	Transfer
214	?	25 Jun 2008	MULT6	MULT7	A30	25 Jun 2008	__2136	Hatch
215	?	16 Jul 2009	MULT6	MULT7	A30	16 Jul 2009	__2730	Hatch
216	?	24 Jun 2009	MULT6	MULT7	A30	24 Jun 2009	__2729	Hatch

217	F		1998	WILD	WILD	A30	23 Dec 2003	__3003	Transfer
237	?	14 Sep 2011		MULT6	MULT7	A30	14 Sep 2011	_____	Hatch

Totals: 3.3.4 (10)

Location: A32

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

Totals: 1.0.0 (1)

Location: A34

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
192	?	26 Jul 2008	WILD	WILD	A07	26 Jul 2008	_____	Hatch
					A34	23 Jun 2009	_____	Transfer
193	?	14 Jul 2007	MULT6	MULT7	A34	22 Jul 2008	Bakoly	Transfer
194	?	16 Jul 2007	MULT6	MULT7	A34	22 Jul 2008	Kintana	Transfer

Totals: 0.0.3. (3)

Location: A35

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
115	M	07 Jul 2005	MULT1	29	A08	07 Jul 2005	_____	Hatch
					A35	Mar 2013	_____	Transfer

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	15 Mar 2001	_____	Hatch
					A36	24 Feb 2002	_____	Transfer
82	M	~ Jan 2000	UNK8	UNK9	A32	~ Jan 2000	_____	Hatch
					A36	15 Aug 2002	_____	Transfer
101	?	~2000	UNK8	UNK9	A32	~2000	_____	Hatch
					A36	10 Dec 2004	_____	Transfer

Totals: 1.1.1 (3)

Location: A37

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
80	M	26 Jul 2002	MULT1	29	A08	26 Jul 2002	_____	Hatch
					A37	26 Mar 2011	_____	Transfer
90	M	08 Aug 2003	MULT1	29	A08	08 Aug 2003	_____	Hatch
					A37	26 Mar 2011	_____	Transfer

Totals : 2.0.0. (2)

Location: A42

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

Totals: 2.4.0 (6)

Location: A43

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
93	M	09 Jun 2004	MULT1	29	A08	09 Jun 2004		Hatch
					A43	26 Mar 2011		Transfer

Totals : 1.0.0. (1)

Location: A46

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
213	?	22 Jun 2008	MULT6	MULT7	A30	22 Jun 2008	2135	Hatch
					A46	10 Mar 2012		Transfer

Totals : 0.0.1. (1)

Location: ROTTERDAM

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
34	M	1990	WILD	WILD	A15	1990		Hatch
					ROTTERDAM	7 Jun 1997	703791	Transfer
35	M	1990	WILD	WILD	A15	1990		Hatch
					ROTTERDAM	7 Jun 1997	703792	Transfer
36	F	1990	WILD	WILD	A15	1990		Hatch
					ROTTERDAM	7 Jun 1997	703793	Transfer
37	F	1990	WILD	WILD	A15	1990		Hatch
					ROTTERDAM	7 Jun 1997	703794	Transfer
38	M	????	WILD	WILD	VLISSINGE	12 Jul 1987		Transfer
					ROTTERDAM	9 Jul 1997	703825	Transfer
71	F	????	WILD	WILD	LONDON RP	????		Transfer

						ROTTERDAM	23 Dec 2001	704581	Transfer
						A08	17 Nov 2004		Loan to
						ROTTERDAM	15 Jun 2009		Transfer
72	F	????	WILD	WILD	LONDON RP	????			Transfer
					ROTTERDAM	23 Dec 2001	704582		Transfer
102	F	02 Jun 2004	34	36	ROTTERDAM	02 Jun 2004	705088		Hatch
138	M	09 Jun 2006	34	36	ROTTERDAM	09 Jun 2006	705480		Hatch
142	F	04 May 2007	34	36	ROTTERDAM	04 May 2007	705683		Hatch
176	?	11 Jul 2010	34	36	ROTTERDAM	11 Jul 2010	707129		Hatch
238	?	25 Mar 2011	38	37	ROTTERDAM	25 Mar 2011	Z11057		Hatch
239	?	04 Apr 2011	34	36	ROTTERDAM	04 Apr 2011	Z11297		Hatch
240	?	09 Jun 2011	34	36	ROTTERDAM	09 Jun 2011	Z11297		Hatch
241	M	1996	WILD	WILD	KADOORIE	2011			Transfer
					ROTTERDAM	16 Sep 2011	Z11569		Donation
242	M	1996	WILD	WILD	KADOORIE	2011			Transfer
					ROTTERDAM	16 Sep 2011	Z11571		Donation

Totals: 6.6.4 (16)

b) Pyxis arachnoides brygooi

There are currently 66 animals (18.17.31) at 9 locations.

Location: A03

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
30	M	????	WILD	WILD	ROTTERDAM	14 Jan 1991	702004	Transfer
					A03	4 Jan 1995	HZ0305	Loan to
32	F	11 Nov 1994	30	31	ROTTERDAM	11 Nov 1994	703152	Hatch
					A03	25 Apr 1998	HZ0539	Loan to
49	F	????	WILD	WILD	ROTTERDAM	17 Jun 1998	704007	Transfer
					A03	21 Jun 1998	HZ0561	Loan to
50	M	1 Jul 1996	30	31	A03	1 Jul 1996	HZ0428	Hatch
51	?	27 Oct 1996	30	31	A03	27 Oct 1996	HZ0454	Hatch
53	F	7 Jun 1999	30	31	A03	7 Jun 1999	HZ0627	Hatch
56	M	????	WILD	WILD	A11	~1985		Transfer
					A03	16 Oct 1999	HZ0664	Loan to
					A11	08 Nov 2003		Transfer
					A08	2010		Transfer
					A03	20 Aug 2011		Transfer
57	F	????	WILD	WILD	A11	~ 1985		Transfer
					A03	16 Oct 1999	HZ0665	Loan to
92	?	03 May 2003	30	31	A03	03 May 2003	HZ0899	Hatch
150	?	13 Nov 2009	30	31	A03	13 Nov 2009		Hatch
186	M	????	WILD	WILD	A11	????		Transfer
					A08	2010		Transfer
					A03	31 Jul 2011	HZ1351	Transfer

Totals: 4.4.3 (11)

Location: A08

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
144	F	14 Sep 2007	103	105	A41 A10 A08	14 Sep 2007 2010 01 Aug 2012	Agineta Pabf05 _____	Hatch Transfer Transfer
185	M	????	WILD	WILD	A11 A08	???? 2010	_____ _____	Transfer Transfer

Totals: 1.1.0 (2)

Location: A10

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
103	M	1998	WILD	WILD	A41 A10	08 Aug 2004 2011	Nigma Pabm03	Transfer Transfer
104	F	1998	WILD	WILD	A41 A10	08 Aug 2004 2011	Atea Pabf05	Transfer Transfer
105	F	1992	WILD	WILD	A41 A10	17 Apr 2005 2011	Zora Pabf06	Transfer Transfer
106	F	10 Jul 2005	WILD	WILD	A41 A10	10 Jul 2005 2010	_____ Pabf01	Hatch Transfer
112	F	14 Jul 2006	103	104	A41 A10	14 Jul 2006 2010	Minicix Pabf02	Hatch Transfer
113	F	30 Jun 2006	103	104	A41 A10	30 Jun 2006 2010	Erigone Pabf03	Hatch Transfer
139	F	1999	WILD	WILD	A41 A10	21 Feb 2007 2010	Eresus Pabf04	Transfer Transfer
167	?	29 Jun 2008	103	104	A41 A10	29 Jun 2008 2010	_____ _____	Hatch Transfer
168	?	01 Aug 2008	103	105	A41 A10	01 Aug 2008 2010	_____ _____	Hatch Transfer
169	?	03 Aug 2008	103	105	A41 A10	03 Aug 2008 2010	_____ _____	Hatch Transfer
170	?	14 Sep 2008	103	104	A41 A10	14 Sep 2008 2010	_____ _____	Hatch Transfer
171	?	25 Sep 2009	103	MULT2	A41 A10	25 Sep 2009 2010	_____ _____	Hatch Transfer
172	?	04 Aug 2010	103	MULT2	A41 A10	04 Aug 2010 2010	_____ _____	Hatch Transfer
173	M	????	WILD	WILD	A11 A10	2011 2011	_____ Pabm01	Transfer Transfer
174	M	????	WILD	WILD	A11 A10	2011 2011	_____ Pabm02	Transfer Transfer
196	?	2010	103	MULT2	A41 A10	2010 2011	_____ _____	Hatch Transfer
243	?	Dec 2012	103	MULT2	A10	Dec 2012	Pabu07	Hatch
244	?	01 Dec 2012	173	106	A10	01 Dec 2012	Pabu08	Hatch
245	?	14 Mar 2013	103	MULT2	A10	14 Mar 2013	Pabu09	Hatch
246	?	31 Apr 2013	173	106	A10	31 Apr 2013	Pabu10	Hatch

249	?	2011	188	189	A28 A10	2011 2012	_____	Hatch Transfer
250	?	2011	188	189	A28 A10	2011 2012	_____	Hatch Transfer

Totals: 3.6.13 (22)

Location: A16

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
152	M	2006	UNK17	UNK18	A49 A16	~2006 11 Nov 2009	_____	Hatch Transfer
153	F	2006	UNK17	UNK18	A49 A16	~2006 02 May 2009	_____	Hatch Transfer
154	?	2006	UNK17	UNK18	A49 A16	~2006 02 May 2009	_____	Hatch Transfer
184	M	????	WILD	WILD	A11 A08 A16	???? 2010 24 Aug 2011	_____	Transfer Transfer Transfer
198	?	21 Jun 2010	UNK19	UNK20	A30 A16	21 Jun 2010 25 Mar 2011	_____	Hatch Transfer
199	?	19 Jun 2010	UNK19	UNK20	A30 A16	19 Jun 2010 25 Mar 2011	_____	Hatch Transfer
200	?	22 Jun 2010	UNK19	UNK20	A30 A16	22 Jun 2010 25 Mar 2011	_____	Hatch Transfer
201	F	1999	WILD	WILD	A29 A16	1999 02 Jun 2011	_____	Hatch Transfer

Totals: 2.2.4 (8)

Location: A20

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
190	M	2001	WILD	WILD	A31 A20	~2001 12 Feb 2010	_____	Hatch Transfer
191	M	2001	WILD	WILD	A31 A20	~2001 12 Feb 2010	_____	Hatch Transfer

Totals: 2.0.0 (2)

Location: A28

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
188	M	1999	WILD	WILD	A29 A28	1999 May 2010	_____	Hatch Transfer
189	F	1999	WILD	WILD	A29 A28	1999 May 2010	_____	Hatch Transfer
251	?	2011	188	189	A28	2011	_____	Hatch
252	?	20 Jun 2012	188	189	A28	20 Jun 2012	_____	Hatch

Totals: 1.1.2 (4)

Location: A30

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
218	F	1996	WILD	WILD	A30	14 Feb 2004	___2	Transfer
219	M	1997	WILD	WILD	A30	22 May 2004	__2995	Transfer
220	M	2000	WILD	WILD	A30	05 Jun 2004	__2964	Transfer
222	?	24 Jun 2009	MULT19	MULT20	A30	24 Jun 2009	__2727	Hatch
223	?	25 Jun 2009	MULT19	MULT20	A30	25 Jun 2009	__2728	Hatch
224	F	1996	WILD	WILD	A30	14 Feb 2004	___1	Transfer
225	M	05 May 2002	WILD	WILD	???	05 May 2002	_____	Hatch
				A30		02 Nov 2002	__2962	Transfer
226	M	03 Jun 2002	WILD	WILD	???	03 Jun 2002	_____	Hatch
				A30		02 Nov 2002	__2963	Transfer
227	F	1998	WILD	WILD	A30	01 May 2004	__3000	Transfer
228	M	1997	WILD	WILD	A30	22 May 2004	__2994	Transfer
229	?	2004	WILD	WILD	A30	31 Mar 2005	__2961	Transfer
231	?	25 Jun 2009	MULT19	MULT20	A30	25 Jun 2009	__2731	Hatch
232	?	25 Jun 2009	MULT19	MULT20	A30	25 Jun 2009	__2733	Hatch
233	?	28 Aug 2009	MULT19	MULT20	A30	28 Aug 2009	__2838	Hatch
234	?	18 Jul 2011	MULT19	MULT20	A30	18 Jul 2011	__3550	Hatch

Totals: 5.3.7 (15)

Location: A47

Stud #	Sex	Hatch date	Sire	Dam	Location	Date	Local ID	Event
230	?	12 Aug 2007	MULT19	MULT20	A30	12 Aug 2007	__1832	Hatch
					A47	10 Mar 2012	_____	Transfer

Totals : 0.0.1. (1)

Location: A48

Stud #	Sex	Hatch date	Sire	Dam	Location	Date	Local ID	Event
221	?	22 Jun 2008	MULT19	MULT20	A30	22 Jun 2008	__2134	Hatch
					A48	10 Mar 2012	_____	Transfer

Totals : 0.0.1. (1)

c) *Pyxis arachnoides oblonga*

There are currently 26 animals (7.5.14) at 3 locations.

Location: A10

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

235	M	????	WILD	WILD	A45 A10	Jan 2012 24 Mar 2013	_____	Transfer Loan
236	M	????	WILD	WILD	A45 A10	Jan 2012 24 Mar 2013	_____	Transfer Loan

Totals : 2.0.0. (2)

Location: A14

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
161	M	????	WILD	WILD	A14		2000 male4	Transfer
162	M	????	WILD	WILD	A14		2000 male3	Transfer
163	F	????	WILD	WILD	A14		2000 female2	Transfer
164	M	????	WILD	WILD	A14		2000 male2	Transfer
165	M	????	WILD	WILD	A14		2000 male1	Transfer
177	F	????	WILD	WILD	A14		2000 female1	Transfer
178	?	2010	MULT3	163	A14		2010 _____	Hatch
179	?	2010	MULT3	177	A14		2010 _____	Hatch
180	?	2010	MULT3	163	A14		2010 _____	Hatch
181	?	2010	MULT3	177	A14		2010 _____	Hatch
182	?	2010	MULT3	MULT4	A14		2010 _____	Hatch
183	?	01 Dec 2010	MULT3	163	A14	01 Dec 2010	_____	Hatch
204	?	Jan 2011	MULT3	MULT4	A14	Jan 2011	_____	Hatch
205	?	Mar 2011	MULT3	MULT4	A14	Mar 2011	_____	Hatch
206	?	Oct 2010	WILD	WILD	A44 A14	Oct 2010 May 2011	_____	Hatch Transfer
207	?	19 Feb 2012	MULT3	MULT4	A14	19 Feb 2012	_____	Hatch

Totals : 4.2.10 (16)

Location: A16

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
247	F	????	WILD	WILD	A31 A16	1990 2012	_____	Hatch Transfer
248	M	????	WILD	WILD	A31 A16	1990 2012	_____	Hatch Transfer

Totals : 1.1.0. (2)

Location: A40

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
16	F	27 Apr 1999	UNK21	UNK22	A06 A18 A40	27 Apr 1999 25 Jul 2000 06 Feb 2005	_____	Hatch Transfer Transfer

73	F	????	WILD	WILD	LONDON RP ROTTERDAM A40	23 Dec 2001 22 Oct 2008	704583	Transfer Transfer Loan to
99	M	31 Dec 1999	UNK12	UNK13	A40	21 Jul 2004	_____	Transfer
100	M	31 Dec 1999	UNK12	UNK13	A40	21 Jul 2004	_____	Transfer
158	?	22 Dec 2008	UNK12	16	A40	20 Dec 2008	_____	Hatch
159	?	10 Jan 2009	UNK12	16	A40	10 Jan 2009	_____	Hatch
160	?	01 Mar 2009	UNK12	16	A40	01 Mar 2009	_____	Hatch
195	?	22 Feb 2010	UNK12	16	A40	22 Feb 2010	_____	Hatch

Totals: 2.2.4 (8)

3. Locations

At the moment there are 22 locations in the studbook that keep and/or breed *Pyxis arachnoides*. 18 Locations keep *Pyxis a. arachnoides*, 9 locations keep *Pyxis a. brygooi* and 4 locations keep *Pyxis a. oblonga*.

Of these locations there are a few that are not responding to contacts made by the studbookcoordinator : A19, Wass BR C (all of these locations keep (?) *Pyxis a. arachnoides*), A17 (this locations keeps (?) *Pyxis a. oblonga*). Especially the last locations is of more importance to the studbook than the other locations, due to the fact that there are very few *Pyxis a. oblonga* in the studbook. All of these animals are considered “lost to follow up”. However, it is not the first time that animals, considered “lost to follow up”, at some time pop back up in the studbook, registered at another (new) location. “Lost to follow” up animals will be kept on a separate list (see chapter 8).

4. Births

This chapter is the highlight of the studbook.

In 2011/12, 14 animals were born at 5 locations. 4 *Pyxis a. a.* at 1 location, 7 *Pyxis a. brygooi* at 3 locations and 3 *Pyxis a. oblonga* at 1 location. Congratulations.

5. Deaths

Five animals died in 2011/12, two *Pyxis a. arachnoides*(1.0.1) and three *Pyxis a. brygooi* (0.1.2)

31	F	????	WILD	WILD	ROTTERDAM A03 A03	14 Jan 1991 4 Jan 1995 26 Maa 2011	702005 HZ0306 HZ0306	Transfer Loan to Death
54	?	19 Mar 2000	30	31	A03	19 Mar 2000	HZ0683	Hatch

					A03	17 Jan 2011	HZ0683	Death
148	?	05 Mar 2008	UNK14	UNK16	A26	05 Mar 2008		Hatch
					A21	08 Dec 2009	Rana	Transfer
					A21	24 Apr 2011	Rana	Death
157	M	????	UNK1	UNK2	A07	2002		Hatch
					A25	2009		Transfer
					A25	2010		Death
237	?	Maa 2011	30	31	A03	Maa 2011	HZ11057	Hatch
					A03	16 Jan 2012	HZ11057	Death

In total 33 animals died over the years. 19 *Pyxis a. arachnoides* (6.8.3), 12 *Pyxis arachnoides brygooi* (0.1.11) and 2 *Pyxis arachnoides oblonga* (1.0.1).

6.Imports

No import of any *Pyxis arachnoides* took place in 2011/12 for the studbook. However, 2 *Pyxis a. a.* were donated from Kadoorie farms to Rotterdam.

7.Transfers

As mentioned before, there were several transfers of *Pyxis arachnoides* in 2011/12. Some transfers are still in the ongoing phase.

8.Lost to follow up

No additional animals left the studbook, however there are still a few animals (locations) that are very hard to reach. On the other hand, no lost animals were traced back.

Location: A17 (*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
					A17	2010		LTFU
14	?	28 May 1997	UNK1	UNK2	A06	28 May 1997		Hatch
					A17	25 Jul 2000		Transfer
					A17	2010		LTFU
15	?	26 Jun 1997	UNK1	UNK3	A06	26 Jun 1997		Hatch
					A17	25 Jul 2000		Transfer
					A17	2010		LTFU

Totals: 0.0.3 (3)

Location: A19 (Pyxis a. arachnoides)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
40	?	13 Aug 1999	UNK1	UNK2	A07	13 Aug 1999		Hatch
					A19	1 Mar 2000	1	Transfer
					A19	2010		LTFU

Totals: 0.0.1 (1)

Location: WASS BR C (Pyxis a. arachnoides)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
19	M	????	WILD	WILD	WASS BR C	8 Dec 1990	DAMAGE	Transfer
					WASS BR C	2010		LTFU

Totals: 1.0.0 (1)

Location: A39 (Pyxis a. arachnoides)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
86	?	28 Oct 2000	UNK1	UNK2	A39	16 Jul 2002		Transfer
					A39	2008		LTFU
87	?	29 Aug 2001	UNK1	UNK2	A39	16 Jul 2002		Transfer
					A39	2008		LTFU

Totals: 0.0.2 (2)

9. Situation in the wild

Overall, the situation for *Pyxis arachnoides* in the wild is very worrisome. Populations are rapidly declining.

Walker, R.C.J., Woods-Ballard, A.J. and Rix, C.E. (2007) Population density and seasonal activity of the threatened Madagascar spider tortoise (*Pyxis arachnoides arachnoides*) of the southern dry forests; South West Madagascar. African Journal of Herpetology, 46: 67-73.

Walker, R.C.J. (2009): Preliminary results of a population range and density survey for *Pyxis arachnoides brygooi* in Madagascar. TurtleLog, 2.

Walker, R.C.J. (2010): the decline of the critically endangered Northern Madagascar spider tortoise (*Pyxis arachnoides brygooi*). Herpetologica 66: 411-417.

10. Plans for 2013

- An article, stating the existence and the goals of the studbook, will be written and send to several tortoise magazines.
- A further exchanging of tortoises between locations in the studbook.
- A questionnaire was send to numerous locations of the studbook, a report stating the findings will be made up and listed in the appendix of next years studbookreport or in a separate report.

11. Identification of subspecies

Since there, sometimes, is confusion about to which subspecies an animal belongs to, I will publish some photo's of *Pyxis a. arachnoides* and *Pyxis arachnoides brygooi*. The subspecies *Pyxis arachnoides oblonga* is easy to distinguish from the other two subspecies because it has black spots on its plastron. The plastron from *arachnoides* and *brygooi* are without black spots. The difference between the last two subspecies lies in the fact that for *arachnoides* the anterior part of the plastron has a hinge which allows the tortoise to move/ partly close the front of its plastron. The plastron of *brygooi* is rigid. Whether or not the plastron can be moved, is somewhat difficult to see in a photo. Therefore it is always best, if possible, to look at the tortoise itself, to feel whether the plastron can be moved or not.



Male *Pyxis arachnoides arachnoides* (Van Loon Frank)



Female *Pyxis arachnoides brygooi* (Van Loon Frank)

The first picture shows a *Pyxis arachnoides arachnoides*, here we can see the moveable hindge just left of where the front limbs end. On the second picture (below) we see a *Pyxis arachnoides brygooi*. On these two pictures, one can easily see the difference between the two subspecies.

12. Identification of gender

Another “problem” is the difference between male and female. At young age, this is not easy to determine. There are tortoise species where the difference between the sexes can be said (fairly accurate) at an early stage (for instance with *Malacochersus tornieri*, *Homopus s. signatus*, pers. Obs.). With *Pyxis arachnoides* this is not the case (in my opinion). The difference of the sexes in this species, as in most tortoise species, can be seen in the tailsection. Males have a large, long tail, whereas females have a (much) smaller tail. Below a few pictures of adult/subadult animals of both sexes.



Picture of a male *Pyxis a. arachnoides* (Van Loon Frank)



Picture of a male *Pyxis arachnoides brygooi* (Van Loon Frank)



Picture of a female *Pyxis arachnoides brygooi* (Van Loon Frank)



Picture of a female *Pyxis arachnoides arachnoides* (Van Loon Frank)

13.Appendix

Interesting lecture :

Oonincx, D.G.A.B., et al., Effects of vitamin D3 supplementation and UVb exposure on the growth and plasma concentration of vitamin D3 metabolites in juvenile bearded dragons..., *Comp. Biochem. Physiol. B* (2010), doi : 10.1016/j.cbpb.2010.02.008

March 2013

Frank van Loon studbook keeper

Pyxis-arachnoides@studbooks.org

franktortoises@hotmail.com
