

REDESCRIPTION AND RANGE OF *SORDELLINA PUNCTATA* (PETERS) [SERPENTES: COLUBRIDAE]

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ABSTRACT: Redescription and geographical distribution of *Sordellina punctata* (Peters, 1880). Type locality restricted to Poá. S.P. Brazil.
UNITERMS: *Serpentes Colubridae Sordellina punctata* (Peters, 1880).(*)

Due to the extreme rarity of *Sordellina punctata* (Peters) nearly nothing is known about this species.

The twenty seven specimens now available permit a better evaluation of the range, and variation within the species.

HISTORICAL:

- 1880 Peters¹⁰ describes a new species *Xenodon punctatus*, based on a unique specimen (Brazil).
- 1909 Werner¹² describes a new species *Liophis rehi* also based on a unique specimen (Ypiranga, near São Paulo, Brazil).
- 1923 Procter¹¹ describes a new genus and species *Sordellina brandon jonesii* (Castro, Paraná, Brazil).
- 1923 Amaral¹ also describes a new species, *Sordellina pauloensis* after three specimens (Poá, Rio Grande and Conceição de Itanhaém, S.P., Brazil).
- 1930 Amaral³ suspects that *Sordellina brandon-jonesii* Procter is possibly a synonym of *Liophis rehi* Werner.
- 1958 Hoge⁹ puts *Liophis rehi* Werner, *Sordellina brandon-jonesii*. Procter and *Sordellina pauloensis* Amaral in the synonymy of *Sordellina punctata* (Peters) showing that *Xenodon punctatus* Peters does not belong to the genus *Xenodon* (as already pointed out by Boulenger⁷ (1890:313) and is different from the genus *Pseudoxyrhopus*. Günther (1881: 359) (*nomem novum*

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(*) Principal uniterm.

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pro Homalocephalus Jan 1863:286, *no* Zetterstedt 1838), by the absence of hypapophyses in *punctatus* instead of being present in the other *Pseudoxyrhopus* species which are all restricted to Madagascar. For these reason Hoge⁹ (1958:52) considers *punctata* Peters as belonging to the genus, *Sordellina* Procter.

Hoge⁹ (1958:52) gives by mistake São Bento S.P. instead of Poá S.P. as type locality for *Sordellina pauloensis* Amaral.

Peters and Orejas Miranda¹⁰ (1973:282) give the range as Rio de Janeiro, Santa Catarina, São Paulo and Paraná, Brazil. Till this moment we were unable to find any specimen from the State of Rio de Janeiro.

SORDELLINA PROCTER

1923 *Sordellina* Procter, Ann. and Mag. Nat. Hist., (9) 11:228, fig. 1-3. Type species *Sordellina brandon-jonesii* Procter 1923 — *Sordellina punctata* (Peters, 1880) fide Hoge (1958:52).

Sordellina punctata (Peters)

1880 *Xenodon punctatus* Peters Mber. Akad. Wiss. Berlin: 221, fig. 3: 224.

1890 *Pseudoxyrhopus punctatus*; Boulenger, Ann. and. Mag. Nat. Hist. (6) 4:313.

1893 *Pseudoxyrhopus punctatus*; Boulenger, Cat. Snak. Brit. Mus., 1:317.

1909 *Liophis rehi* Werner, Mitt. Nat. Hist. Mus. Hamburg, 26:223 — Type locality: Ypiranga, S.P., Brazil.

1923 *Sordellina brandon-jonesii* Procter, Ann. and. Mag. Nat. Hist., (9) 11:227
Type locality: Castro, Paraná, Brazil.

1923 *Sordellina pauloensis* Amaral, Proc. New England Zool. Club, 8:88 Type locality: Poá, S.P., Brazil.

1926 *Sordellina pauloensis*; Amaral Arch. Mus. Nac. Rio de Janeiro, 26:104. Pl. I fig. 10, 11, 12 and 13.

Type locality: Poá, S.P., Brazil (this is not the original description although stated as *sp. n.*). The original description is Amaral (1. c 1923:88).

1929 *Pseudoxyrhopus punctatus*; Werner, Zool. Jb. Syst., 57:47.

1929 *Sordellina brandon-jonesii*; Werner, Zool. Jb. Syst., 57:123.

1929 *Sordellina pauloensis*; Werner, Zool. Jb. Syst., 57:123.

1930 (1929) *Liophis rehi* = *Sordellina brandon-jonesii*; Amaral, Mem. Inst. Butantan, 4:22.

1930 (1929) *Sordellina brandon-jonesii*; Amaral, Mem. Inst. Butantan, 4:90.

1930 (1929) *Sordellina brandon-jonesii* = *Liophis rehi* Werner?; Amaral, Mem. Inst. Butantan, 4:176.

1936 *Sordellina brandon-jonesii*; Amaral, Mem. Inst. Butantan, 10:118.

1936 *Sordellina pauloensis*; Amaral, Mem. Inst. Butantan, 10:118.

1958 *Sordellina punctata*; Hoge Mitt. Zool. Mus. Berlin, 34:52, fig. 1, 2 and 3.

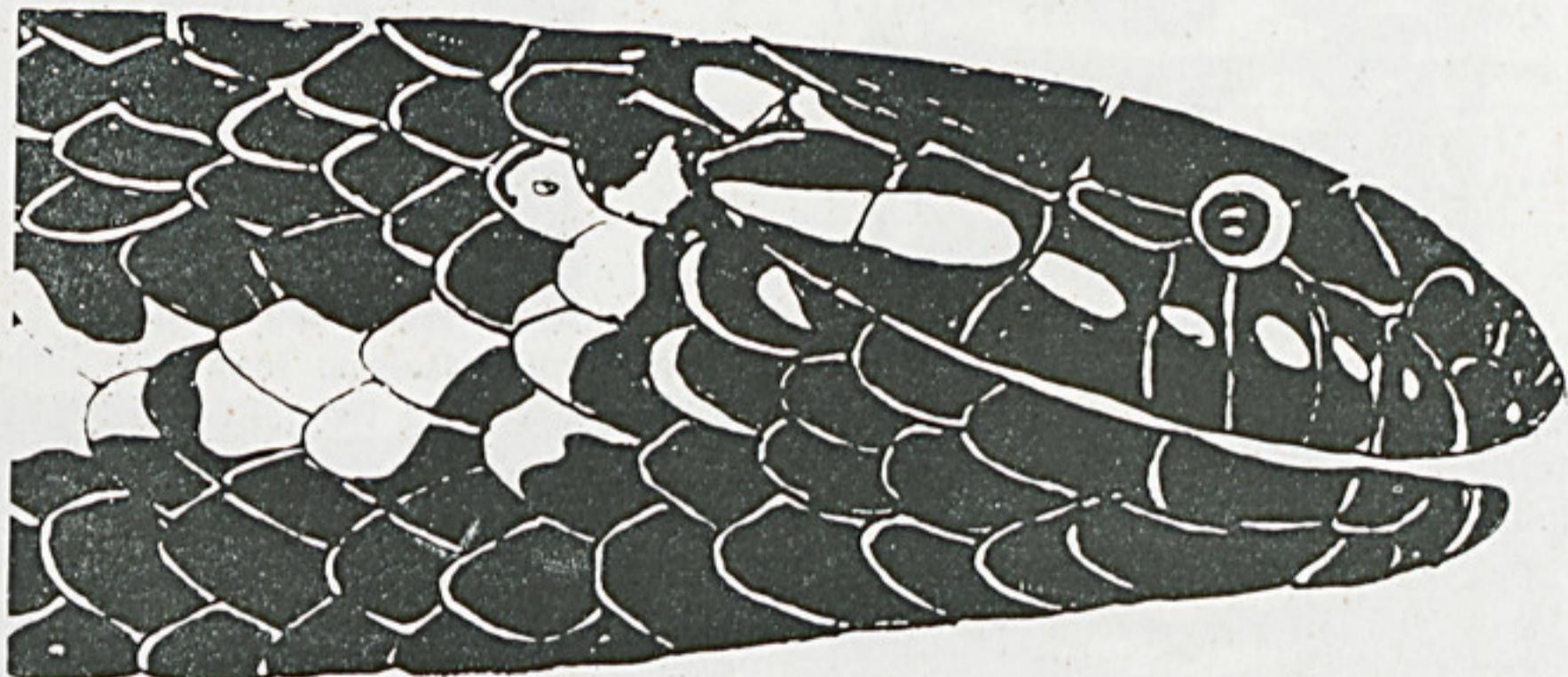
1970 *Sordellina punctata*; Peters and Orejas Miranda, Cat. Neotr. Squamata: I Snakes: 282.

Type locality: Brazil. By present restriction: Poá, State São Paulo, Brazil.

Range: Brazil. States of Santa Catarina, Paraná, São Paulo and Mato Grosso (see map) and Rio de Janeiro fide Peters and Orejas Miranda 1. c.: 282.



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Fig. 1 — *Sordellina punctata* IBH 29487 from S.P.

Fig. 2 — *Sordellina punctata* IBH 10464 M.T.

SCALE COUNTS AND MEASURES OF *S. PUNCTATA* SPECIMENS

MUS. Nr.	Sex	V	SC	UL	LL	Head	Body	Tail
IBH 9077	♂	142	45/45	8/8	8/7	13,3	255	54
IBH 40166	♂	160	54/54	8/8	8/8	14,3	380	92
IBH 40285	♂	162	56/56	8/8	8/8	16,8	430	104
IBH 40851	♂	160	54/54	8/8	8/8	9,3	172	40
IBH 3007*	♂	139	51/51	8/8	8/8	13,4	307	80
IBH 32749	♀	169	41/41	8/8	8/8	15,8	415	74
IBH 33201	♀	150	40/40	8/8	9/9	14,8	385	70
IBH 22936	♀	145	42/42	8/8	8/9	16,8	420	82
IBH 34290	♀	149	37/37	8/8	7/8	10,1	192	34
IBH 40760	♀	174	49/49	8/8	7/7	10,7	190	41
IBH 22937	♀	149	43/43	8/8	8/8	14,4	—	73
IBH 22313	♀	174	36/36	8/8	8/8	17,9	535	74inj
IBH 32762	♀	168	11/11	8/8	8/8	15,7	450	25inj
IBH 20481	♀	172	49/49	8/8	9/9	18,9	485	92
IBH 24313	♀	166	44/44	8/8	8/8	18,0	480	85
IBH 10464	♀	151	42/42	8/8	8/8	16,3	390	68
IBH 25130	♀	148	38/38	8/8	7/9	16,0	360	65
IBH 6791	♀	146	39/39	8/8	8/9	18,5	457	85
IBH 25159	♀	—	42/42	—	—	12,3	300	55
IBH 34286	♀	169	41/41	8/8	8/9	20,4	630	102
IBH 29487	♀	148	38/38	8/7	8/8	14,2	337	63
MZU 1579**	♂	158	58/58	8/8	—	—	148	36
ZMB type of punctatus.	♀ ?	162	42/42	8	8/8	9,0	161	26

*Type of *S.pauloensis*

**Paratype of *S.pauloensis*

Description: Rostral just visible from above; internasals as long or a little shorter than the prefrontals, which are broader than long; frontal longer than broad, as long or longer than its distance from the tip of the snout, much shorter than the parietals; loreal deeper than long; one prae and two postoculars, eight upper labials rarely, 4th and 5th entering the eye in 13 specimens, 3th, 4th and 5th in 9 specimens; temporal 1+2 anterior in contact with both postoculars; 7-9 lower labials, 4 in contact with anterior chin shields, which are shorter than the strongly divergent posterior ones.

Dorsals in 17-17-17 longitudinal rows. Ventrals 146-172 in females and 139-160 in males. Anal divided. Subcaudals 38-49 in females and 45-58 in males. Upper side of the head and dorsum dark brown, sometimes in young specimens a small white spot on each parietal. Upper labials dark brown with white spots (fig. 1 and 2). A series of white spots on the 2nd and 3rd dorsals, sometimes forming a line on the anterior part of the body (fig. 1 and 2). The dark dorsal color invading outer ends of ventrals. Belly dark brown with two series of yellow spots (fig. 3 and 5) sometimes fused (fig. 4 and 6). The white (yellow?) spots on the parietal of type specimen (Peters, 1880 fig. 3a) and also visible on Amaral's drawing are rarely observed in adult specimens.



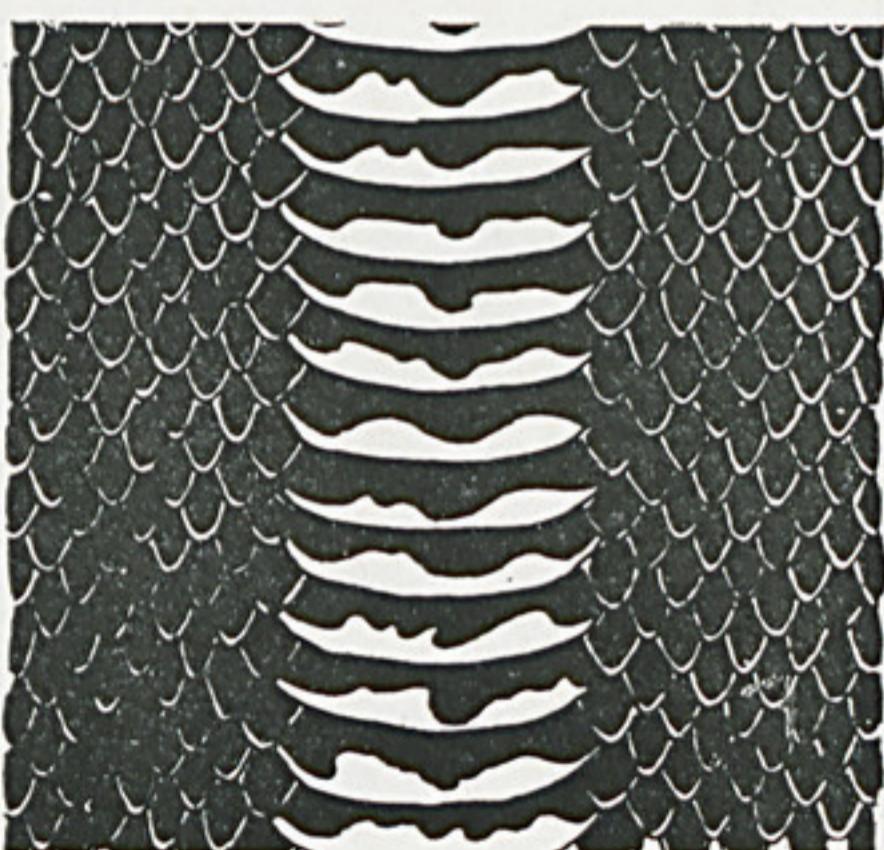
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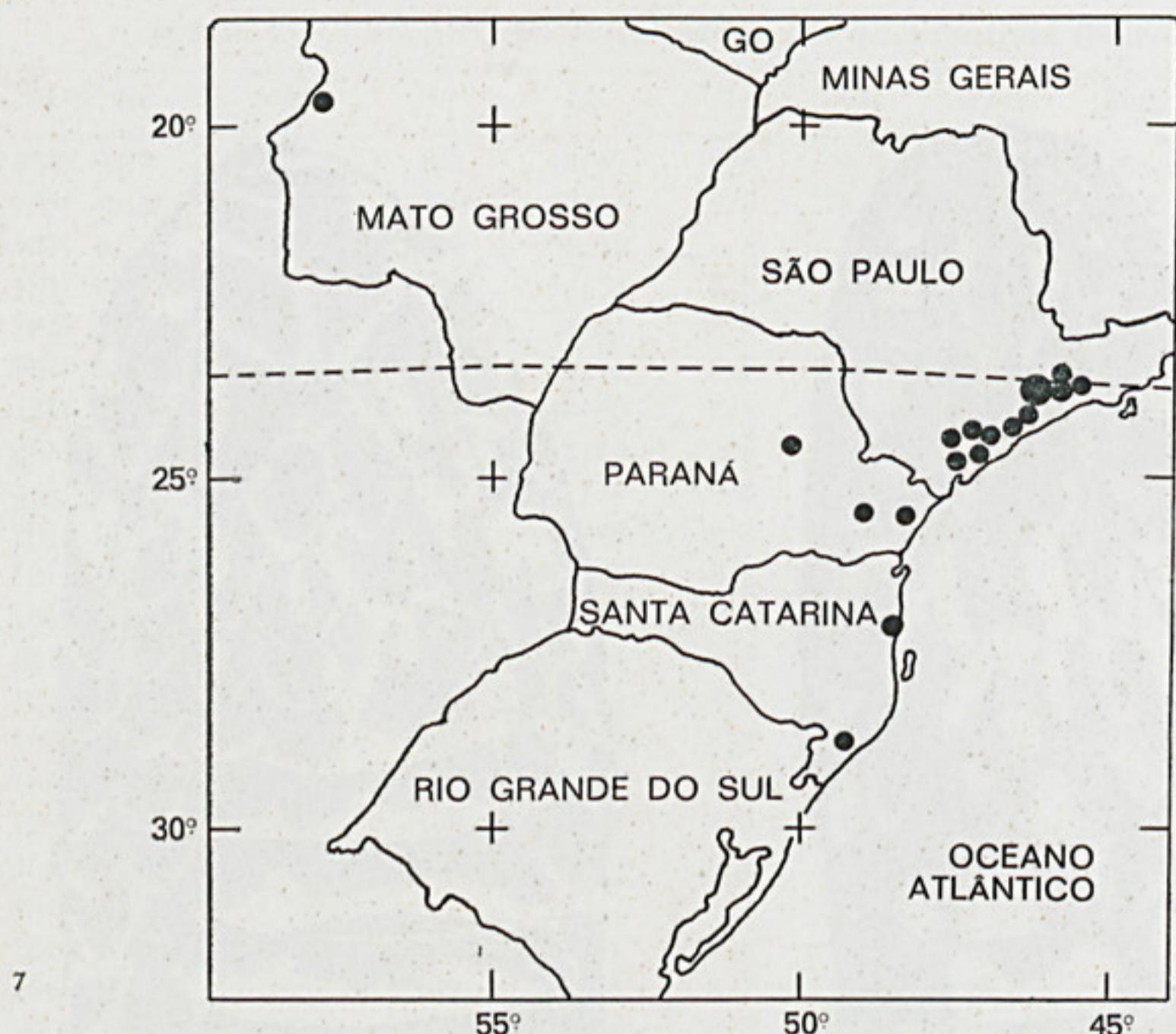
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Fig. 3 — *Sordellina punctata* IBH 29487 from S.P.
Fig. 5 — *Sordellina punctata* IBH 29487 from S.P.

Fig. 4 — *Sordellina punctata* IBH 10464 from M.T.
Fig. 6 — *Sordellina punctata* IBH 10464 from M.T.



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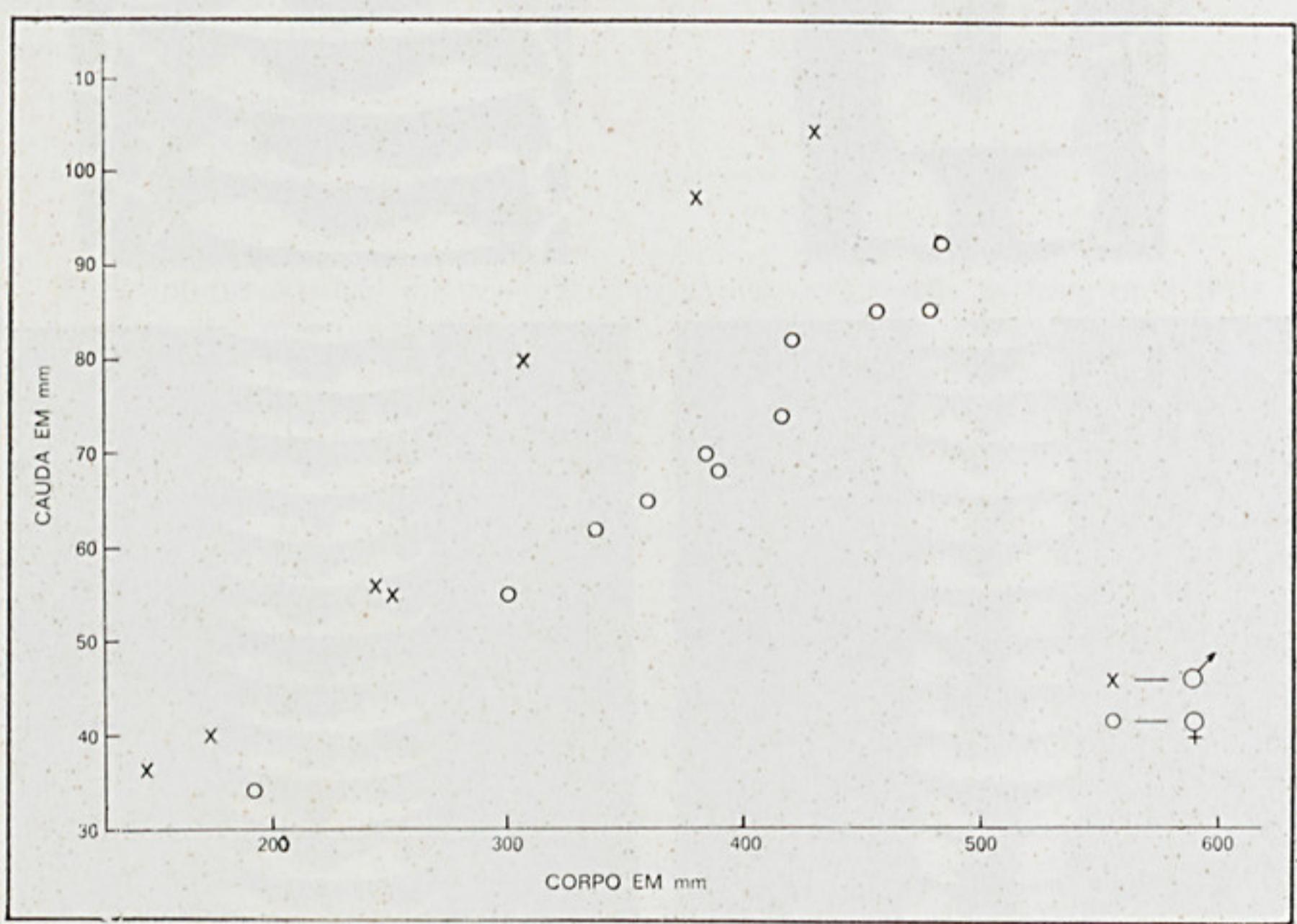


Fig. 7 — Geographical distribution of *Sordellina punctata*.

Fig. 8 — *Sordellina punctata*. Relação corpo/cauda em mm.

Specimens Examined: All specimens are from Brazil.

- IBH 9077: 1♂ Mogi das Cruzes S.P.; 7/3/35
IBH 40166: 1♂ Iguape S.P.; 29/8/75
IBH 40285: 1♂ Paríquera-Açu S.P.; 17/10/75
IBH 40851: 1♂ Ilha Comprida (Iguape) S.P.; 16/6/76
IBH 3007: 1♂ (Type of *S. pauloensis*) Poá S.P.; 13/7/22
IBH 32749: 1♂ Paríquera-Açu S.P.; 13/12/71
IBH 33201: 1♂ Santo Amaro S.P.; 9/6/72
IBH 22936: 2♀ "Pedreira" Santo Amaro S.P.; 7/8/63 and 22937
IBH 34290: 2♀ "Sítio Happy Valley, Estrada Eng.^a Marcilac", km 39,5, Pare-
lheiros, Santo Amaro S.P.; 29/10/73
IBH 4076: 1♀ Curitiba PR; 24/5/76
IBH 22313: 1♀ Juquiá S.P.; 1/10/62
IBH 32762: 1♀ Miracatu S.P.; 30/11/71
IBH 20481: 1♀ Paranaguá PR; 24/7/61
IBH 24313: 1♀ Jacupiranga, Santo Amaro S.P.; 20/10/64
IBH 10464: 1♀ Porto Esperança "Fazenda dos Cáceres" MT.; 29/11/43
IBH 25130: 1♀ Poá S.P.; 17/9/65
IBH 6791: 1♀ Butantan S.P.; 6/1/32
IBH 25159: 1♀ Criciúma SC; 9/9/65
IBH 29487: 1♀ Sete Barras, near Juquiá S.P.; 24/2/69
MZU 1578: 1♂ (Paratype of *S. pauloensis*) Rio Grande near "Serra de
Cubatão" S.P.; 3/1902
MZU 1579: 1♂ (Paratype of *S. pauloensis*) Conceição de Itanhaém S.P.
8/1909
MZU 3481: 1 Camboriú SC
MZU 3482: Vila Prudente S.P.
MZU 2003 Suzano S.P.
ZMB Type of *punctatus* "Brasilien"

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RESUMO: Redescrição e distribuição geográfica de *Sordellina punctata* (Peters, 1880). Restrição da localidade tipo para Poá, S.P., Brasil. 1880. (*).

UNITERMOS: *Serpentes Colubridae, Sordellina punctata*. (Peters,

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