



Fig. 41. *Sylviocarcinus pictus* (holotype of *Holthuisia picta rionegrensis* PRETZMANN 1968, NHMW 4942), dorsal and ventral aspect. — Scale 10 mm.

8.XII.1963, leg. G. MARLIER; 1 ♀ (IRSNB) Santarém, Pindobal, 2.XII.1963, leg. G. MARLIER; 2 ♀ 1 ♀ (SMF 4335), Rio Tapajós, Pindobal, 28.X.1945, leg. H. SIOLI; 11 ♀ (MZUSP 1648), Santarém, 1921, leg. E. GARBE; 2 ♀ 1 ♀ (NHMW 6665), Santarém, 1913, leg. J. HASEMAN; 1 ♀ (MZUSP 4779), Rio Tapajós, Alter do Chão, 18-19. IX.1969, leg. P. VANZOLINI; 15 ♀ 8 ♀ (INPA-CR 142), idem, 25.XI.1983, leg. M. GOULDING; 1 ♀ (MZUSP 6329), Ilha de Tapaiúna, 20.XI.1970, leg. P. VANZOLINI; 1 ♀ (MZUSP 4776), Igarapé Mapará, Paraná Samaúma, Rio Tocantins, 5.IX.1970, leg. N. MENEZES; 1 ♀ (MZUSP 9695), Braço do Igarapé São Lourenço, Furo de Panaguera, Rio Tocantins, 30.VIII.1979, leg. N. MENEZES; 3 ♀ (INPA-CR 146), Rio Tocantins, Mocajuba, 30.I.1985, Eq. Ictiol. INPA; 2 ♀ 1 ♀ (INPA-CR 303), Rio Curuá-Una, XI.1978, leg. V. PY-DANIEL; 1 ♀ (MNRJ MD-1118), Rio Tocantins, Canal do Muru, Tucuruí, 21.IX.1984, leg. W. ZWINK & L. ALVARENGA; 1 ♀ (MNRJ MD-1123), Igarapé do Caripi, tributary M. esq. Rio Tocantins, Tucuruí, 23.IX.1984, leg. W. ZWINK & L. ALVARENGA; 1 ♀ 1 ♀ (MNRJ MD-1127), Rio Tocantins, Nazaré dos Patos, Tucuruí, 19.IX.1984, leg. W. ZWINK & L. ALVARENGA; 1 ♀ (MNRJ MD-1131), Rio Tocantins, Canal Jaguará, Tucuruí, 20.IX.1984, leg. W. ZWINK & L. ALVARENGA; 2 ♀ 1 ♀ (MZUSP 4784), Rod. Tucuruí-Mato Grosso, Km 11, 22.IX.1970, leg. N. MENEZES; 1 ♀ (SMF 4311), Lago Jurueiri, Rio Tapajós, 25.X.1947, leg. H. SIOLI; 1 ♀ (SMF 4310), Rio Cupari, Goiabal, 27.X.1948, leg. H. SIOLI; 1 ♀ (SMF 4342), Igarapé do Caxias,

mouth Rio Cupari, 26.X.1948, leg. H. SIOLI; 1 ♀ (MZUSP 6324), Rio Tapajós, Monte Cristo, 14.XII.1970, EPA; 1 ♀ (MZUSP 6309), idem, 10.XII.1970, leg. P. VANZOLINI; 1 ♀ (MZUSP 4786), Rio Tapajós, Uruá, Pq. Nac. do Xingu, BR-230, Km 64, 26.I.1979, leg. J.C. DE OLIVEIRA; 1 ♀ (INPA-CR 136), Igarapé Bacuri, tributary of Rio Tocantins, 6.VII.1982, Eq. Ictiol. INPA; 1 ♀ (MZUSP 7053), Rio Itacaiúnas, Serra dos Carajás, 8.VIII.1985, leg. J. HOLDER; 1 ♀ (MPEG), Rio Fresco, Gorotiba, 30.IV.1983, leg. W. OVERALL. — Estado do Maranhão: 1 ♀ (MNRJ MD-1182), Brejinho, 30 km from Terezina, Mun. de Caxias, 1973, leg. L. MOOJEN e colab. — Estado de Rondônia: 1 ♀ (MZUSP 2406), São Luís de Cáceres de Porto Velho, 1939, leg. AVELAR; 7 ♀ 3 ♀ (INPA-CR 518), Igarapé Bom Futuro, tributary of Rio Jamari, 30.VII.1983, leg. V. PY-DANIEL e colab.; 6 ♀ 2 ♀ (INPA-CR 304), Rio Machado, Ji-Paraná, VI.1984, leg. J. C. MALTA; 4 ♀ 1 ♀ (INPA-CR 319), idem, 2.X.1985, leg. J. C. MALTA; 2 ♀ 4 ♀ (MNRJ MD-1302), Igarapé do Leitão, BR-364, Km 316, Pres. Médici, 16.VII.1986, leg. W. ZWINK; 3 ♀ 2 ♀ (MNRJ MD-1288), Rio Tamurapé, BR-364, Km 236, Cacoal, 16.VII.1986, leg. W. ZWINK; 13 ♀ 16 ♀ (MNRJ MD-1291), Rio Urupá, Mun. de Ouro Preto do Oeste, 13.VII.1986, leg. W. ZWINK; 1 ♀ (MNRJ MD-1297), idem, 15.VII.1986, leg. W. ZWINK; 13 ♀ 12 ♀ (MNRJ MD-1292), Rio São Domingos, Mun. de Ouro Preto do Oeste, 12.VII.1986, leg. W. ZWINK; 4 ♀ 3 ♀ (MNRJ MD-1293), Igarapé do Miolo, Mun. de Ouro Preto do Oeste, 16.VII.1986, leg. W. ZWINK; 1 ♀ 3 ♀ (MNRJ MD-1294),



Fig. 42. ? *Sylviocarcinus pictus* (holotype of *Dilocarcinus pardalinus* GERSTÄCKER 1856, ZMB 2123), dorsal and ventral aspect. — Scales 20 mm.

1 ♀ (MNRJ MD-1295), Rio Mariapé, Mun. de Ouro Preto do Oeste, 15.VII.1986, leg. W. ZWINK; 3 ♀ 3 ♀ (MNRJ MD-1298), Córrego Boa Vista, Mun. de Ouro Preto do Oeste, 13.VII.1986, leg. W. ZWINK; 6 ♀ 4 ♀ (MNRJ MD-1299), Igarapé Bela Vista, Mun. de Ouro Preto do Oeste, 11.VII.1986, leg. W. ZWINK; 12 ♀ 6 ♀ (MNRJ MD-1303), Córrego próx. à saída de Nova União, Mun. de Ouro Preto do Oeste, VII.1986, leg. W. ZWINK; 1 ♀ (MNRJ MD-1307), Igarapé Mandi, Mun. de Ouro Preto do Oeste, 15.VII.1986, leg. W. ZWINK; 2 ♀ 2 ♀ (INPA-CR 558), Rio Preto, 19.VIII.1985, leg. V. PY-DANIEL e colab.; 3 ♀ (MNRJ MD-1296), Rio Riozinho, BR-364, Km 220, Pimenta Bueno, 16.VII.1986, leg. W. ZWINK; 5 ♀ 5 ♀ (MNRJ MD-1308), idem, 17.VII.1986, leg. W. ZWINK.

Peru: 1 ♀ (SMF 4302), Rio Saimiria, Amazon basin, VIII.1952, O. DE LA PUENTE. — Depto. Loreto: 1 ♀ (USNM 76778), Rio Ampiyacu, near Pebas, 31.VII.1935, leg. W. G. SCHERER; 1 ♂ (MCZ 4930), Amazon rv. at Nauta; 3 ♂ 7 ♀ (NHMW 4177), 2 ♂ 1 ♀ (NHMW 4178), 25 Km W of Iquitos, 1976, leg. G. PRETZMANN.

Bolivia: Depto. Cochabamba: 1 ♂ (ZSM 1094-1), Region Chaparé, Rio Chipiriri, X.1953, leg. W. FORSTER & O. SCHINDLER.

No locality indication: 2 ♂ (MZUSP 2298); 1 ♂, dry (ANSP 3115), ? Upper Amazon, leg. Dr. T. B. WILSON; 3 ♂ 1 ♀ (MNHN BP 326), Ht. Amazone, leg. JOBERT.

Diagnosis: Three to four spine-tipped anterolateral teeth behind the exorbital tooth of the carapace. Abdomen with segments III–VI fused. Subterminal spine-field of male plp 1 partly situated on a well developed subdistal lobe, median part of subterminal spine field strongly developed.

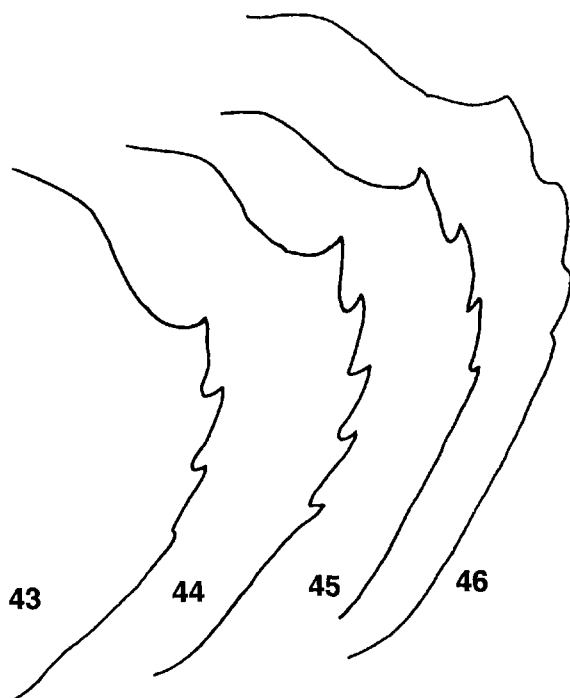
Measurements: 25.5 : 22.0 : ? : ? . (lectotype ♀)

Type locality: Peru: Prov. Loreto.

Distribution: Guyana, Suriname, Peru, Bolivia, and Brazil.

Remarks: The differences between *S. pictus* and *S. australis* were discussed under the former species.

We have reexamined the female holotype of *Dilocarcinus pardalinus* GERSTÄCKER 1856. The female genital ducts are typically those of a *Sylviocarcinus* rather than *Zilchiopsis*. The type locality of this species is unknown,



Figs. 43-46. *Sylviocarcinus pictus*, variability of carapace contours. — 43) INPA-CR 303; 44) MZUSP 1648; 45) INPA-CR 304a; 46) INPA-CR 304b.

so that it is impossible to say with certainty if it belongs to this or the former species. The number of the anterolateral teeth, used by BOTT (1969) to separate *S. pictus* from *S. pardalinus* is variable in both *S. pictus* and *S. australis*. Thus, *D. pardalinus* GERSTÄCKER has to be treated as incertae sedis within *Sylviocarcinus*.

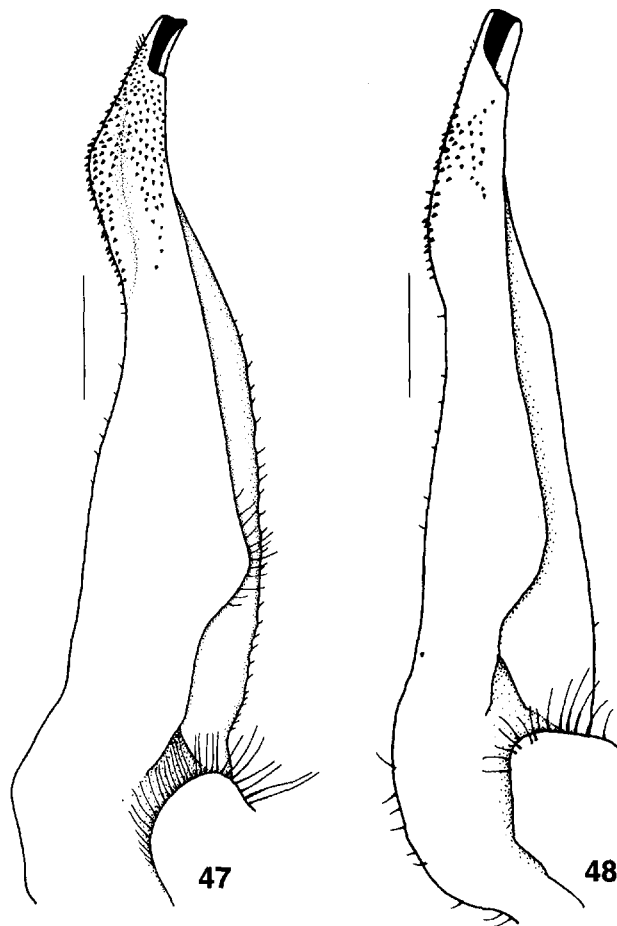
We have also reexamined the holotype of *Holthuisia picta rionegrensis* described by PRETZMANN (1968b). It is an immature male in which the knobs of the IIIrd abdominal segment are not yet developed. We have seen this character state in many immature specimens throughout the range of the species, so that it cannot be used for separating *H. picta rionegrensis*. All other characters perfectly agree with *S. pictus* specimens of similar size. We thus agree with RODRIGUEZ (1992) in treating this form as a mere synonym of *S. pictus*.

Zilchiopsis BOTT 1969

1969 *Zilchiopsis* BOTT, Abh. senckenb. naturf. Ges., 518: 34.

Key to the species of *Zilchiopsis*

1. Anterolateral borders with very faint indications of teeth, if at all. Carapace only clearly convex in antero-posterior direction, regions hardly indicated. Male plp 1 with a short distal end projecting beyond the subterminal spine field, never reaching up to half the length of the latter *Z. cryptodus*.
- Anterolateral borders with 3-4 distinct teeth, clearly traceable even after fading away in large specimens. Carapace clearly convex in both directions, regions clearly visible. Male plp 1 with



Figs. 47-48. *Sylviocarcinus pictus*, right male plp 1, ventro-mesial aspect. — 47) SMF 4308; 48) holotype of *Holthuisia picta rionegrensis* PRETZMANN 1968, NHMW 4942. — Scales 1 mm.

- a long distal end projecting beyond the subterminal spine-field, always at least half as long as the latter 2.
2. Male plp 1 with tip relatively short, its length about half the length of the subterminal spine-field *Z. oronensis*.
- Male plp 1 with tip extremely long and slender, its length always clearly exceeding half the length of the subterminal spine-field *Z. collastinensis*.

Zilchiopsis collastinensis (PRETZMANN 1968)

(Figs. 49-53)

- 1898 *Orthostoma pictum*, — NOBILI, Ann. Mus. civ. Stor. nat. Genova, (2)19: 11 [part.: specimens from Buenos Aires].
- 1968 *Holthuisia picta collastinensis* PRETZMANN, Entom. Nachrbl., 15(7/8): 74.
- 1969 *Zilchiopsis sattleri* BOTT, Abh. senckenb. naturf. Ges., 518: 34, pl. 13 fig. 24a,b, pl. 21 fig. 55.
- 1969 *Sylviocarcinus pictus pictus*, — BOTT, Abh. senckenb. naturf. Ges., 518: 31 [part.: specimens from Buenos Aires, SMF 4337].
- 1969 *Holthuisia pictus*, — SCHMITT, Proc. biol. Soc. Washington, 82: 106, 109, fig. 7a-f. [non *Trichodactylus* (*Dilocarcinus*) *pictus* H. MILNE-EDWARDS 1853.]