

Fig. 51. *Zilchiopsis collastinensis* (holotype of *Zilchiopsis sattleri* BOTT 1969, SMF 4365), dorsal and ventral aspect.

K-5255), ? Buenos Aires, 9.IV.1920, ded. Dr. P. FRANK; 2 ♀ (SMF 4337), Buenos Aires, in the 1890ies, leg. L. WALTHER, S. BRUNN vend. 7. X. 1912; 2 ♀ (MCSNG), idem, leg. RAMORINO.

With doubtful locality: 1 ♂, holotype of *Zilchiopsis sattleri* BOTT (SMF 4365), "[Bolivien, Rio Chaparé] Brasilien, W. EHRHARDT".

Diagnosis: Carapace subcircular, clearly convex in both directions, regions well delimited. Male plp 1 bent following a regular curve, distal end beyond the subterminal spine field very long and slender, its length about 3/4 of the length of the latter.

Measurements: 39.0 : 33.4 : 20.7 : 15.0 (Holotype ♂)

Type locality: Argentina: Prov. Santa Fé: Colastine [probably Colastiné, 31°37'S 60°36'W].

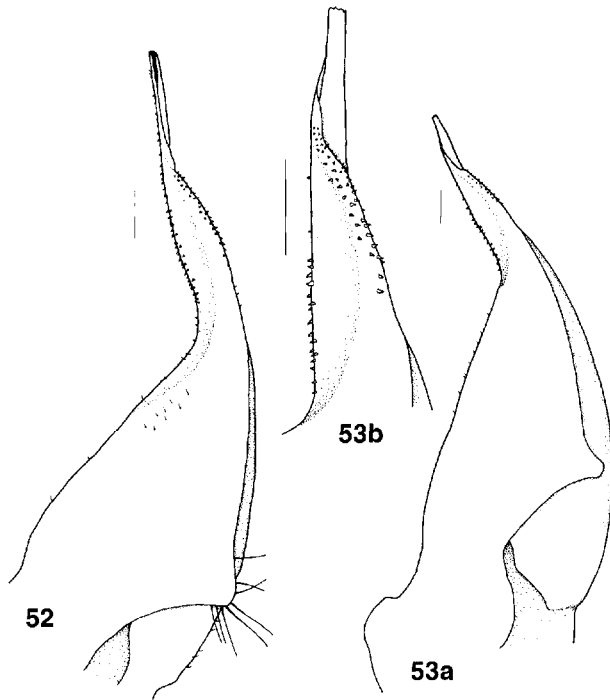
Distribution: Probably restricted to Argentina.

Remarks: The long and slender distal part of the plp 1 is a distinctive character of *Zilchiopsis collastinensis*. All

specimens examined from Argentina displayed this character, in contrast, the Brazilian and Bolivian material had short tipped pleopods which identified them as *Z. oronensis*.

BOTT (1969) named the present species with the distinctive morphology of the plp 1 *Zilchiopsis sattleri*. In fact, we are only now able to classify PRETZMANN's *Holthuisia picta collastinensis*. Its type specimen is a female, but the genital duct shows very clearly that it belongs to *Zilchiopsis* rather than to *Sylviocarcinus* (see MAGALHÃES & TÜRKAY 1995a under remarks to *Zilchiopsis*). After having examined an abundance of material, it became clear that the only *Zilchiopsis* occurring in Argentina is the species named *Z. sattleri* by BOTT. As the type locality of *Z. collastinensis* is in Argentina, this name must be considered a senior synonym of *Z. sattleri* and has to be treated as the valid name of the species.

The type locality of *Z. sattleri* remains a problem. The original label of the holotype is missing and we only found



Figs. 52–53. *Zilchiopsis collastinensis*, right male plp 1, ventromesial aspect. — 52) ZMH K-5255; 53) holotype of *Zilchiopsis sattleri* BOTT 1969, SMF 4365. — Scales 1 mm.

a very dubious label with the handwriting of R. BOTT which read “[Rio Chaparé, Bolív., Brasilien, EHRHARDT]”. As far as we know EHRHARDT has never collected in Bolivia, and the species most probably does not occur in Brazil. The only explanation may be a mixing up of locality labels, which cannot be positively proved, but is very probable. Due to this confusion RODRIGUEZ (1992) stated he had examined material from near to the type locality. However, his specimens belong to the northern tropical form separated hereafter under the specific name of *Z. oronensis*. His figures show clearly that he did not have the characteristic southern species.

Zilchiopsis cryptodus (ORTMANN 1893)

(Figs. 49, 56–57)

- 1893 *Dilocarcinus cryptodus* ORTMANN, Zool. Jb. Syst., 7: 493.
 1969 *Zilchiopsis cryptodus*, — BOTT, Abh. senckenb. naturf. Ges., 518: 35, pl. 14 fig. 25a, b, pl. 22 fig. 57.
 1981 *Zilchiopsis cryptodus*, — RODRIGUEZ, Aquat. Biota trop. South America, 1: 48.
 1983 *Zilchiopsis (Zilchiopsis) cryptodus*, — PRETZMANN, Ann. naturhist. Mus. Wien, 84(B): 318, 327.
 1992 *Zilchiopsis cryptodus*, — RODRIGUEZ, Faune tropicale, 31: 102.

Holotype: ♂ (MZVS), Peru: Depto. Loreto: Rio Ucayali, leg. REISS.

Material: 1 ♂ (NHML 1926.11.24.1), Peru: Depto. Amazonas, GOODMAN THOMAS-Expd.

Diagnosis: Carapace transversely oval, clearly convex in antero-posterior direction, regions hardly indicated. Male plp 1 bent following a regular curve, distal end extending beyond subterminal spine field short, its length much less than half length of the spine field.

Measurements: 34.6 : 26.1 : 17.1 : 11.3 (holotype ♂).

Type locality: Peru: Rio Ucayali.

Distribution: Amazon drainage of Peru, to date only known from the material cited above.

Remarks: The present species is distinguished from its congeners by the characters given in the diagnosis. Regarding the very few specimens known to date, the carapace characters should be used with great care, and the plp 1 should be compared when identifying specimens of this genus.

Zilchiopsis oronensis (PRETZMANN 1968)

- 1896 *Dilocarcinus pictus*, — NOBILI, Boll. Mus. Zool. Anat. comp. Torino, 11: 1.
 ? 1896 *Dilocarcinus pardalinus*, — NOBILI, Boll. Mus. Zool. Anat. comp. Torino, 11: 1.
 1898 *Orthostoma pictum*, — NOBILI, Ann. Mus. Stor. nat. Genova, (2)39: 11 [part.: ♂ from Rio Apa].
 ? 1904 *Trichodactylus (Valdivia) pardalinus*, — RATHBUN, Nouv. Arch. Mus. Hist. nat. Paris, 6(4): 242 [part.: Paraguay].
 ? 1904 *Trichodactylus (Dilocarcinus) pictus*, — RATHBUN, Nouv. Arch. Mus. Hist. nat. Paris, 6(4): 242 [part.: Paraguay].
 1906 *Trichodactylus (Dilocarcinus) pictus*, — RATHBUN, Nouv. Arch. Mus. Hist. nat. Paris, 8(4): 62 [part.: “Colonía Rissó, Rio Apa (NOBILI)”; ? ♀ “reçu du Mus. Copen., Rio Paraguay, près Riacho del Oro” (USNM 20093)].
 1920 *Trichodactylus (Dilocarcinus) pictus*, — COLOSI, Boll. Mus. Zool. Anat. comp. Torino, 35(734): 16.
 ? 1920 *Trichodactylus (Valdivia) pardalinus* [sic !], — COLOSI, Boll. Mus. Zool. Anat. comp. Torino, 35(734): 16 [error].
 1968 *Valdivia (Valdivia) serrata oronensis* PRETZMANN, Ent. Nachr. Bl., 15 (7–8): 72.
 1969 *Sylviocarcinus devillei*, — BOTT, Abh. senckenb. naturforsch. Ges., 518: 28 [part.: 1 ♂ SMF 4889].
 1969 *Sylviocarcinus pictus*, — BOTT, Abh. senckenb. naturforsch. Ges., 518: 31, pl. 21, fig. 53 [part.: 1 ♂ ZMH K-27047, 1 ♂ SMF 4889].
 1969 *Zilchiopsis sattleri* BOTT, Abh. senckenb. naturforsch. Ges., 518: 34 [part.: 1 ♂ 1 ♀ ZMH K-3628].
 1977 *Sylviocarcinus pictus*, — MANNING & HOBBS, Biota acuát. Sudamerica austral: 159 [part.: Paraguay].
 1977 *Zilchiopsis sattleri*, — MANNING & HOBBS, Biota acuát. Sudamerica austral: 160 [part.: Cuenca del Paraguay].
 1981 *Zilchiopsis sattleri*, — RODRIGUEZ, Aquat. Biota trop. South America, 1: 48 [part.: Paraguay].
 1992 *Zilchiopsis sattleri*, — RODRIGUEZ, Faune tropicale, 31: 106, figs. 3J, 4U, 5I, 7I, 9J, 13H, 37A-H. [non *Zilchiopsis sattleri* BOTT 1969].

Holotype: ♂ (UZM), Paraguay: Rio Paraguay ved. Riacho del Oro, leg. W. SØRENSEN.

Paratype: 1 ♀ (UZM), data as holotype.

Material: Brazil: Estado do Amazonas: 1 ♂ (MNRJ MD-1217), Parintins, 14.X.1984, leg. F. MATOS & M. FERNANDA; 1 ♂ (MNRJ MD-1188), Humaitá, 9.VI.1975, leg. A. MONTAVAN. — Estado do Pará: 1 ♂ (INPA-CR 143), Rio Amazonas, near Óbidos, IX.1983, leg. R. BARTHEN; 1 ♂ (ZMH K-27047), 1 ♂ (SMF 4889), Lago Grande de Santarém, I.1957, leg. A. MESCHKAT.

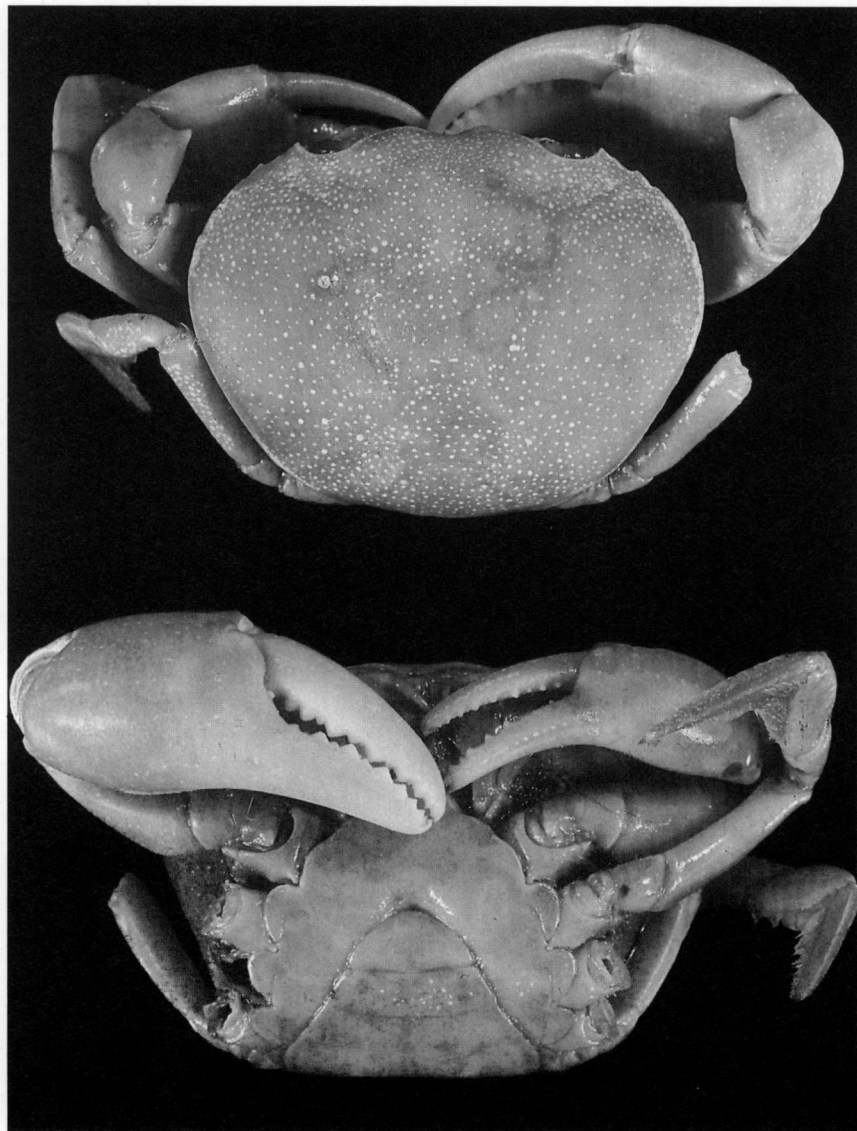


Fig. 54. *Zilchiopsis cryptodus* (holotype, MZVS), dorsal and ventral aspect.

— Estado de Rondônia: 9 ♂ 5 ♀ with youngs (MNRJ MD-1201), Rio Pregão, BR-470, Km 58, Ouro Preto do Oeste, XI.1983, leg. A.D. CERUTTI; 4 ♂ 5 ♀ (MNRJ MD-1290), Rio Paieiro, Ouro Preto do Oeste, 14.VII.1986, leg. W. ZWINK; 3 ♂ 1 ♀ (MNRJ MD-1301), Rio do Roppa, Ouro Preto do Oeste, 14.VII.1986, leg. W. ZWINK; 1 ♂ (MNRJ MD-1304), Rio São Domingos, Ouro Preto do Oeste, 12.VII.1986, leg. W. ZWINK; 4 ♂ 2 ♀ (MNRJ MD-1293), 1 ♂ 1 ♀ (SMF 22243), Igarapé do Miolo, BR-364, Km 111, between Ouro Preto do Oeste and Ji-Paraná, 16.VII.1986, leg. W. ZWINK; 1 ♂ (MNRJ MD-1287), Igarapé do Leitão, BR-364, Km 312, Presidente Médici, 16.VII.1986, leg. W. ZWINK; 1 ♂ (INPA-CR 555), Rio Novo, BR-174, 2.X.1984, leg. V. PȚ-DANIEL e colab.; 1 ♂ (MZUSP 9157), Rio Guaporé, near Surpresa, 22.IX.1985, leg. J. C. MALTA. — Estado do Mato Grosso: 1 ♂ 1 ♀ (MNRJ MD-1218), Córrego Areia, Rio Juina, 19.IV.1985, leg. J. AUGUSTO & ROPPA; 2 ♂ (SMF 22244), Rio Sararé, Tributary of Rio Guaporé, 35 Km ENE Vila Bela [= Mato Grosso], 13.VIII.1980, leg. J. VOELKER.

Bolivia: Depto. Beni: 1 ♂ (AMNH); 2 ♂ (MNHNB), Rio Yacuma, Espiritu, Prov. Yacuma, 14°08'S 66°24'W, 224 m, Cuenca Rio Madeira, 14.IV.1987, leg. J. SARMIENTO & W. HANAGARTH; 1 ♂ 1 ♀ (MNHN B-12815), 3 ♂ 4 ♀ (MNHN B-19122), Trinidad, VII.1984–V.1985, leg. G. LOUBENS.

Paraguay: 1 ♂ (MZUT Cr-282), [?] 1 ♀ (MZUT Cr-281), Rio Apa, 1893, don. BORELLI; 3 ♂ 1 ♀ (NHMB 553a), Rio Paraguay, Apa-lué; [?] 1 ♂ 1 ♀, paratypes of *Zilchiopsis sattleri* BOTT (ZMH K-3628), Chaco, Rio Paraguay; 1 ♂, dry (USNM 234456), Rio Paraguay, Chaco, about 250 miles upriver from Asunción, don. M. CODY; 1 ♂ 1 ♀ (MACN 16514), Rio Paraguay, Asunción, VI.1926, leg. G. FRANCESCHI; 2 ♂ 1 ♀ (NHMB 553b), Villeta, Colonia Nova Italia, 1939, Vend. P. WILLIN.

Without precise locality: 1 ♀ (USNM 20093), Rio Paraguay, near Riacho del Oro, leg. Dr. W. SØRENSEN (from Mus. Copenhagen); 1 ♂ (MACN 29236), Riacho "Paloma", off Isla Montanel, I.1976, leg. M. QUINTANA.