

LECTOTYPE DESIGNATION FOR AMAZONIAN DIAPTOMIDAE AND BOSMINIDAE (CRUSTACEA: COPEPODA , CLADOCERA).

Elsa Rodrigues Hardy (\*)

Joachim Adis (\*\*)

Gerd-Oltmann Brandorff (\*\*\*)

Because of unclear type designations in the taxonomical description, type specimens of seven Amazonian Diaptomidae species and one Bosminidae species were listed as syntypes in the Systematic Entomology Collections of the Instituto Nacional de Pesquisas da Amazônia - INPA) in Manaus, Brazil (cf. Ratcliffe & Penny, 1978; Rafael **et al.**, 1983).

The following type specimens of these species are herewith designated lectotypes or paralectotypes:

DIAPTOMIDAE

**Aspinus acicularis** Brandorff 1973a.

LECTOTYPE: male, here selected, in INPA (collection no. CRUST-037) on slide, in poor condition; description and drawing (plate 5) in Brandorff, 1973a; locality: Lago Grande Curuay, 07-VI-1946, leg. H. Sioli.

PARALECTOTYPE: female, here selected, in INPA (collection no. CRUST-038), on slide, in reasonable condition; drawing (plate 6) in Brandorff, 1973a: description and locality as stated for lectotype.

**"Diaptomus" linus** Brandorff 1973a.

LECTOTYPE: male, here selected, in INPA (collection no. CRUST-035), on slide, in poor condition; description and drawing (plate 3) in Brandorff, 1973a; locality: Lago do Castanho, 01-X-1959, leg. H. Sioli.

PARALECTOTYPE: female, here selected, in INPA (collection no. CRUST-036), on slide, in poor condition; drawing (plate 4) in Brandorff, 1973a. description and locality as stated for lectotype.

---

(\*) Instituto Nacional de Pesquisas da Amazônia (INPA), 69000 - Manaus, AM - Brasil

(\*\*) Max-Planck-Institute for Limnology, Working Group: Tropical Ecology, D-2320 Plöen, FRG, in cooperation with INPA, Manaus, Brazil

(\*\*\*) Amrumstieg 16, D-2070 Ahrensburg, FRG

**"Diaptomus" negrensis** Andrade & Brandorff, 1975.

LECTOTYPE: male, here selected, in INPA (collection no. CRUST-003), on slide, in poor condition; description and drawing (fig. 2) in Andrade & Brandorff, 1975; locality: Lago Estreito, 28-X-1974, leg. E. Andrade & G.O. Brandorff.

PARALECTOTYPE: female, here selected, in INPA (collection no. CRUST-004), on slide, in poor condition; drawing (fig. 1) in Andrade & Brandorff, 1975; description and locality as stated for lectotype.

**"Diaptomus" ohlei** Brandorff 1978.

LECTOTYPE: male, here selected, in INPA (collection no. CRUST-005), on slide, in reasonable condition; drawing (figs. 5-12) in Brandorff, 1978; locality: Lago do Castanho, 10-11-1975, leg. G.O. Brandorff.

PARALECTOTYPES: 2 females, here selected, in INPA (collection nos. CRUST-006, CRUST-007), in poor (006) and reasonable (007) condition; drawing (figs. 1-4) in Brandorff, 1978; description and locality as stated for lectotype.

**Notodiaptomus kieferi** Brandorff 1973a.

LECTOTYPE: male, here selected, in INPA (collection no. CRUST-033), on slide, in poor condition; description and drawing (plate 1) in Brandorff, 1973a; locality: Lago Catalão, 22-IX-1959, leg. H. Sioli.

PARALECTOTYPE: female, here selected, in INPA (collection no. CRUST-034), on slide, in poor condition; drawing (plate 2) in Brandorff, 1973a; description and locality as stated for lectotype.

**Rhacodiaptomus calatus** Brandorff 1973b.

LECTOTYPE: male, here selected, in INPA (collection no. CRUST-002) on slide, in poor condition; description and drawing (plate 1: figs. 1d, 2d, 3d; plate 4: figs. 2a-c) in Brandorff, 1973b; locality: Lago Calado, 02-XII-1959, leg. H. Sioli.

PARALECTOTYPE: female, here selected, in INPA (collection no. CRUST-001), on slide, in poor condition; description and drawing (plate 1: fig. 4d; plate 4: figs. 2d, e) in Brandorff, 1973b; locality: Lago Calado, 13-VIII-1941, leg. H. Sioli.

**Rhaciodaptimus retroflexus** Brandorff 1973b.

LECTOTYPE: male, here selected, in INPA (collection no. CRUST-039) on slide, in poor condition; description and drawing (plate 1: figs. 1b, 2b, 3b; plate 5: figs. 2b, c; plate 6: figs. 1b-d, k-c) in Brandorff, 1973b; locality: Lago do Januário, 01-X-1959, leg. H. Sioli.

PARALECTOTYPE: female, here selected, in INPA (collection no. CRUST-040), on slide, in poor condition; drawing (plate 1: fig. 4b; plate 5: fig. 2a; plate 6: figs. 1a, e-i) in Brandorff, 1973b; description and locality as stated for lectotype.

BOSMINIDAE

**Bosminopsis negrensis** Brandorff 1976.

LECTOTYPE: female, here selected, in INPA (collection no. CRUST-031), on slide, in reasonable condition; description and drawing (fig. 1(1)) in Brandorff, 1976; locality: Rio Negro, 24-IX-1959, leg. H. Sioli.

RESUMO

Lectotipos (e paralectotipos) são designados para *Aspinus acicularis* Brandorff 1973, "*Diaptomus*" *linus* Brandorff 1973, "*D. negrensis* Andrade & Brandorff 1975, "*D. ohlei* Brandorff 1978, *Notodiaptomus kieferi* Brandorff 1973, *Rhacodiaptomus calatus* Brandorff 1974, *R. retroflexus* Brandorff 1973 (DIAPTOMIDAE) e *Bosminopsis negrensis* Brandorff 1976 (BOSMINIDAE) depositados nas Coleções de Entomologia Sistemática do INPA, Manaus/Brasil.

References

- Andrade, Elsa R. & Brandorff, Gerd-Oltmann - 1975. Uma nova espécie de Diaptomidae (Crustaceae, Copepoda) "*Diaptomus*" *negrensis* das águas pretas perto de Manaus. *Acta Amazonica*, 5(1):97-103.
- Brandorff, Gerd-Oltmann - 1973a. Neue freilebende calanoide Copepoden (Crustaceae) aus dem Amazonasgebiet. *Amazoniana*, 4(2):205-218.
- - 1973b. Die neotropische Gattung *Rhacodiaptomus* Kiefer (Crustaceae, Copepoda), mit der Beschreibung von zwei neuen Arten. *Amazoniana*, 4(4):341-365.
- - 1976. A new species of *Bosminopsis* (Crustaceae: Cladocera) from the Rio Negro. *Acta Amazonica*, 6(1):109-114.
- - 1978. Ein neuer Diaptomidae (Crustaceae, Copepoda) "*Diaptomus*" *ohlei* aus dem brasilianischen Amazonasgebiet. *Arch. Hydrobiol.*, 82:295-298.
- Rafael, J.A.; Penny, N.D.; Harada, A.Y. - 1983. Relação dos tipos de invertebrados depositados na Coleção de Entomologia Sistemática do INPA-Manaus, até dezembro de 1982. *Acta Amazonica*, 13(5-6): 911-926.
- Ratcliffe, Brett C. & Penny, Norman D. - 1978. Catálogo dos tipos de invertebrados depositados nas coleções entomológicas do INPA-Manaus. *Acta Amazonica*, 8(4):689-697.

(Aceito para publicação em 10/01/84)