

SHORT COMMUNICATIONS

On the generic status of *Atlantadorus* Siddiqi, 1974 and *Nanidorus* Siddiqi, 1974 (Nematoda: Trichodoridae)

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Siddiqi (1974) proposed the genus *Paratrichodorus* for some species previously in *Trichodorus*, until then the sole genus in the family Trichodoridae, and divided it into three new subgenera—*Paratrichodorus*, *Atlantadorus* and *Nanidorus*. These subgenera were elaborately diagnosed by him and their species separately listed. The validity of the subgenera has been upheld by several workers (Hooper, 1975; Loof, 1975; Rodriguez-M. & Bell, 1978a; Rodriguez-M. *et al.*, 1978).

Rodriguez-M. & Bell (1978) and (1978a) and Rodriguez-M. *et al.* (1978) have added valuable information on structures used in the systematics of Trichodoridae and Rodriguez-M. *et al.* (1978) stressed the need for reviewing the systematics of the Trichodoridae.

Rodriguez-M. & Bell (1978a) showed that the females of the three subgenera of *Paratrichodorus* can also be separated by the shape of the vulva—a longitudinal slit in *Paratrichodorus*, a transverse slit in *Nanidorus* and a pore-like opening in *Atlantadorus*. It is here proposed that these subgenera should now be considered at the generic level with their improved diagnoses and composition as given below.

The genus *Paratrichodorus* Siddiqi, 1974

Diagnosis—To the diagnosis of the nominate subgenus *Paratrichodorus* as given by Siddiqi, 1974; add: Body usually 0.6–1.0 mm long. Cuticle abnormally swells upon fixation. Male with a bursa and the two ventromedian supplementary papillae within the region of the bursa being well separated from the third which is usually reduced in size and may be absent. Vulva a short longi-

tudinal slit. Vagina less than half body width long, with inconspicuous sclerotization. Ovaries two.

Type-species: *Paratrichodorus tunisiensis* (Siddiqi, 1963) Siddiqi, 1974; type by original designation

Other species: As listed by Siddiqi (1974) under subgenus *Paratrichodorus*.

The genus *Atlantadorus* Siddiqi, 1974

Diagnosis—As diagnosis of the subgenus *Atlantadorus* in Siddiqi (1974) with these additions: Body usually 0.6–1.0 mm long. Cuticle abnormally swells upon fixation. Male with a bursa and two ventromedian supplementary papillae within the region of the bursa, well separated from the third. Vulva pore-like. Vagina less than half body width long, usually with inconspicuous sclerotization. Ovaries two.

Type-species: *Atlantadorus atlanticus* (Allen, 1957) n.comb., by original designation.

syn. *Trichodorus atlanticus* Allen, 1957
Paratrichodorus (Atlantadorus) atlanticus (Allen, 1957) Siddiqi, 1974

Other species: *A. anemones* (Loof, 1965) n.comb.

syn. *T. anemones* Loof, 1965
P.(A.) anemones (Loof, 1965) Siddiqi, 1974

A. grandis (Rodriguez-M. & Bell, 1978) n.comb.

syn. *P.(A.) grandis* Rodriguez-M. & Bell, 1978

A. pachydermus (Seinhorst, 1954) n.comb.

syn. *T. pachydermus* Seinhorst, 1954

Status of *Atlantadorus* and *Nanidorus*

- P.(A.) pachydermus* (Seinhorst, 1954)
Siddiqi, 1974
A. porosus (Allen, 1957) n.comb.
syn. *T. porosus* Allen, 1957
P.(A.) porosus (Allen, 1957) Siddiqi, 1974
T. bucrius Lordello & Zamith, 1958.

The genus *Nanidorus* Siddiqi, 1974

Diagnosis.—Add to the diagnosis of the subgenus *Nanidorus* by Siddiqi (1974): Body usually 0.4–0.6 mm long. Cuticle abnormally swells upon fixation. Vulva a small transverse slit. Vagina and its sclerotization inconspicuous. Ovaries two, rarely one.

Type species: *Nanidorus nanus* (Allen, 1957) n.comb., by original designation.
syn. *Trichodorus nanus* Allen, 1975
Paratrachodorus (*Nanidorus*) *nanus*
(Allen, 1957) Siddiqi, 1974.

Other species: *N. acutus* (Bird, 1967) n.comb.
syn. *T. acutus* Bird, 1967
P.(N.) acutus (Bird, 1967) Siddiqi, 1974
N. christiei (Allen, 1957) n.comb.
syn. *T. christiei* Allen, 1957
P.(N.) christiei (Allen, 1957) Siddiqi, 1974
T. obesus Razjivin & Penton, 1975
P.(N.) obesus (Razjivin & Penton, 1975)
Rodriguez-M. & Bell, 1978
N. minor (Colbran, 1956) n.comb.
syn. *T. minor* Colbran, 1956

- P.(N.) minor* (Colbran, 1956) Siddiqi, 1974
N. renifer (Siddiqi, 1974) n.comb.
syn. *P.(N.) renifer* Siddiqi, 1974
N. westindicus (Rodriguez-M. et al., 1978) n.comb.
syn. *P.(N.) westindicus* Rodriguez-M. et al., 1978.

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