Redescriptions and descriptions of new species of *Austrostrongylus* Chandler, 1924 (Nematoda: Trichostrongylina), from Australian marsupials with a comparative study of features of the synlophe

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Abstract

Redescriptions are provided of *Austrostrongylus aggregatus* Johnston & Mawson, 1940, *A. chandleri* Mawson, 1973, *A. macropodis* Chandler, 1924, *A. victoriensis* Cassone, 1983 and *A. wallabiae* Johnston & Mawson, 1939 from macropodid marsupials from eastern Australia. Two new species are described: *A. mawsonae* sp. nov. from *Wallabia bicolor* (Desmarest) and *A. smalesae* sp. nov. from *Macropus rufoareus* (Desmarest), *M. fuliginosus* (Desmarest), *M. giganteus* Shaw and *W. bicolor* (Desmarest). *A. paratypicus* Mawson, 1973 is treated as a synonym of *A. macropodis*. The synlophe is described from serial transverse sections of males and females of each species and the origins and terminations of the cuticular ridges documented for use in specific identification. Females of some species could be distinguished only by differences in the synlophe. The geographical and host ranges of all known species are expanded based on newer collections. Based on a study of seven species, comments are provided on the remaining congeners. *A. petrogale* Beveridge & Durette-Desset, 1986 and *A. safestatus* Beveridge & Durette-Desset, 1986 are removed to the genus *Sutarostrongylus* Beveridge & Durette-Desset, 1986 as *S. petrogale* comb. nov. and *S. safestatus* comb. nov. Keys are provided to males based on the features of the spicules and to females based on features of the synlophe.

**Key words:** Nematoda, Trichostrongylina, Herpetostrongylidae, *Austrostrongylus*, redescriptions, new species, synlophe