



Type material in the National Nematode Collection of New Zealand

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Abstract

An updated list of type material in the National Nematode Collection of New Zealand is presented.

Key words: arthropod collection; nematode collection; New Zealand; holotypes; paratypes

Introduction

The National Nematode Collection of New Zealand (NNCNZ) is under the guardianship of Landcare Research New Zealand Ltd, a Crown Research Institute. When the contract of the senior author with the institute ceased in 2001, Landcare Research amalgamated NNCNZ with the New Zealand Arthropod Collection. In 2004 the institute moved from Mt Albert Research Centre, Auckland into new facilities located at the Tamaki campus of the University of Auckland. In the absence of a nematologist at that time, NNCNZ remained untouched with material received not being incorporated, and some specimens being displaced and apparently lost. There was a substantial increase in the size of the collection during that period, and overlapping paratype slide numbers were being used for new species, and occasional unrecorded lending occurred, adding to the confusion. With the appointment of the junior author in 2007, the immediate future of the collection was secured. The collection was then able to be reorganised and updated. Because the slide numbers of recently described species have been updated to remove duplication, the numbers cited in the literature for these species are no longer valid.

The NNCNZ was established in 1971 at the Entomology Division of the Department of Scientific and Industrial Research (DSIR). Originally at Nelson (Wouts 1973a), it was moved to the DSIR campus at Mt Albert, Auckland in 1973 and was allocated to Landcare Research New Zealand Ltd when DSIR was split up into Crown Research Institutes in 1992.

Earlier lists of specimens in the NNCNZ were published in 1972, 1973 and 1996 (Wouts & Yeates 1972; Wouts 1973a, Wouts 1996). In the 1973 paper an historical perspective was presented. At that time the collection contained all but two of the 82 holotypes ever assigned to nematodes from New Zealand. The holotype of *Iotonchus basidontus* Clark, 1960 could not be located, and the holotype of *Radopholus nativus* Sher, 1968 was in the nematode collection of the University of California, Riverside, California. By 1996 *Tylencholaimus chathamii* Yeates, 1979 had been lost in transit (G.W. Yeates, pers. comm.) and the holotype of *Aranimermis giganteus* Poinar & Early, 1990 had been deposited in the National Museum of New Zealand, Wellington. Subsequently five newly described species from New Zealand had their holotypes deposited in the nematode collection of the University of California: *Antarctylus humus* Sher, 1973 at Riverside, and *Nothocriconema pasticum* Raski & Pinochet, 1976, *N. spinicaudatum* Raski & Pinochet, 1976, *Blandicephalonema serratum* Mehta & Raski, 1971, and *B. pilatum* Mehta & Raski, 1971 at Davis. Since 1996 the slides of *Tylenchus clarki* Egunjobi, 1968b, *Tylenchus areolatus* Egunjobi, 1968b and *T. neozealandicus* Egunjobi, 1968b have become irreparably damaged and no specimens can now be found on