

SOME PARASITIC NEMATODES IN THE COLLECTION OF THE AUSTRALIAN MUSEUM.

By T. HARVEY JOHNSTON AND PATRICIA M. MAWSON,
University of Adelaide.

(Figures 1-26.)

A small collection of unnamed parasitic nematodes belonging to the Australian Museum was submitted to us for examination. Those from marsupials have already been dealt with (Johnston and Mawson, 1940), the remainder, from reptiles, birds and rodents, are recorded in this paper. The greater part of the collection was made by Mr. E. Troughton while visiting South Australia on a collecting trip on behalf of the Museum. Two other members of the staff, Messrs. F. A. McNeill and H. S. Grant, also contributed to it. Some material belonging to the old collections of the Museum and obtained by G. Masters and G. Krefft was also examined, but its condition was rather unsatisfactory. The host names, locality, parasites identified, and Museum registered number, are as follows:

Reptiles.

Varanus varius Shaw, from Birchmore Lagoon, Kangaroo Island: *Physaloptera antarctica* var. *typica* Irwin-Smith (W1061).

Elseya dentata Gray, Queensland: *Spirogonura elseyae* n. sp. (G11106).

Birds.

Malurus leuconotus Gould, Mt. Lyndhurst, South Australia: Two cysts of *Filaria* (s.l.) sp. (W1077).

Cysticola exilis Vig. and Horsf., Moa (Banks) Island, Torres Strait: *Diplotrriaena tricuspis* Fedtsch. (W989).

Chibia bracteata Gould, Russell Island, Queensland: *Hamatospiculum chibiae* n. sp. (W1611).

Ninox boobook, Hayman Island, Whitsunday Group, Queensland: *Hamatospiculum mcneilli* n. sp. (W.3147).

Nycticorax caledonicus Gmelin, Bulli district, N.S.W.: *Contraeaecum nycticoracis* n. sp. (W3236).

Polyteles alexandrianae Gould, Beecroft, N.S.W. (in captivity): *Ascaridia columbae* (Gmelin) (W3238).

Strepera fuliginosa Gould, Deep Creek, Kangaroo Island: *Oxyspirura streperae* n. sp. (W1075).

Halcyon pyrrhopygius Gould, Mt. Lyndhurst, South Australia: *Hamatospiculum halcyonis* n. sp. (W1074, W1070, and W1063).

Halcyon sanctus Vig. and Horsf., Kingscote, Kangaroo Island: *Hamatospiculum halcyonis* n. sp. (W1076).

Corvus, probably *ceciliae* Matthews, Mt. Lyndhurst, South Australia: *Acuaria corvicola* n. sp. (W1057).

Mammals.

Melomys banfieldi De Vis, Dunk Island, Queensland: *Physaloptera banfieldi* n. sp. (W3237).

Rattus assimilis Gould, Deep Creek, Kangaroo Island (W1060); Birchmore Lagoon, Kangaroo Island (W1055); *Physaloptera trouhntoni* n. sp.

Mus musculus Linn., Moree, New South Wales: *Protospirura muris* (Gmelin) (G10983).