

REPORT ON SOME PARASITIC NEMATODES FROM THE AUSTRALIAN MUSEUM.

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(Figures 1-7.)

In 1943, Dr. A. B. Walkom, Director of the Australian Museum, Sydney, submitted to us for identification and report, a collection of parasitic nematodes from various hosts. Much of the material formed part of the "Old Collection" of the Museum and contained little or no information beyond the popular name of the host. Some of it was obtained by the Commonwealth Fisheries Investigation Steamer, "Endeavour", during 1909, 1910 and 1914. Unfortunately, during transit, some of the tubes became smashed and their contents distributed amongst the packing material, but by careful unpacking we have been able to associate most of these worms with proper labels. We have assumed, unless there are any reasons to the contrary, that unlocalized material came from New South Wales.

We express our thanks to Dr. Walkom for the opportunity to study the collection which has now been returned to the Australian Museum. Mr. G. P. Whitley, at the request of the Director, kindly endeavoured to identify some of the unnamed "Endeavour" fish hosts from which nematodes were collected, by reference to the records, reports and collections associated with the work of the vessel, but he reported that no data were forthcoming regarding those specimens which were not numbered but which had evidently been opened up and discarded many years ago. Mr. J. R. Kinghorn supplied identifications of some of the reptilian hosts. We acknowledge indebtedness to the Commonwealth Research Grant to the University of Adelaide. The host names and parasites identified are as follow:

ELASMOBRANCHS.

- Emissola* [*Mustelus*] *antarctica* Gnthr.—*Eustoma australe* (J. and M., 1945), N.S.W.;
Terranova chiloscyllyi, sp. nov., N.S.W.
Chiloscyllyium punctatum Mull. and Henle.—*Terranova chiloscyllyi*, sp. nov., Keppel Is., Queensland.
Heterodontus portusjacksoni Meyer.—*Paraleptus australis* J. and M., N.S.W.
Pristis zysron Bleeker.—*Stomachus* sp. (juveniles), Manly, N.S.W.
Pristiophorus cirratus Lath.—*Eustoma australe* (J. and M.), N.S.W.

TELEOST FISH.

- Conger muraena habenata* Richdsn.—*Stomachus* sp. larvæ, Storm Bay, Tasmania.
Genypterus blacodes Bl. and Schn.—*Stomachus* sp. larvæ, Storm Bay, Tasmania.
Gadus morrhua Cuv.—*Contracaecum* (*Thynnascaris*) *aduncum* (Rud.). This material is not Australian.
Coelorhynchus (*Paramacrurus*) *australis* Richdsn.—*Stomachus* sp. larvæ, Montague Island, N.S.W.
Neoplatycephalus macrodon Ogilby.—*Stomachus* sp. larvæ, N.S.W.
Platycephalus bassensis C. and V.—*Contracaecum* (*Thynnascaris*) sp., Oyster Bay, Tasmania.
Ichthyoscopus sannaio Whitley.—*Stomachus* sp. larvæ, N.S.W. coast.
Zeus faber Linn.—*Contracaecum* (*Thynnascaris*) *aduncum* (Rud.), off Tathra Head, N.S.W.
Promicrops lanceolatus Bloch.—*Contracaecum* (*Thynnascaris*) *legendrei* Dollfus, Hummocky Island, Queensland.