

RECORDS OF MYXOMYCETES IN WESTERN AUSTRALIA

by R.J. HNATIUK

ABSTRACT

Nine species in seven genera and 4 families are reported for Western Australia. The species are: *Arcyria cinerea*, *A. nutans*, *Comatricha nigra*, *Diachea leucopodia*, *Lycogala epidendrum*, *Physarum nutans*, *Physarum viride*, *Stemionitis fusca*, and *Trichia favoginea*.

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Nine species, representing seven genera of myxomycetes are reported for Western Australia. A further two (probably Echinosteliaceae) as yet indeterminate collections have been made. The nine species are representative of those that are either cosmopolitan or widely distributed in their climatic-geographic zones. Before the collections reported below were made during 1976-78, none were present in the Western Australian Herbarium (PERTH), although a few were kept in the mycological collections at the Botany Department, University of Western Australia (UWA).

Nomenclature follows that of Martin and Alexopoulos (1969).

RETICULARIACEAE

Lycogala epidendrum (L.) Fries

Fallen log; Bluff Knoll, Stirling Range, W.A. (Hnatiuk 761450).

TRICHIACEAE

Arcyria cinerea (Bull.) Pers.

Rotting wood in vine thicket; Mitchell Plateau, W.A. (Hnatiuk 761452).

Arcyria nutans (Bull.) Grev.

Underside of *Eucalyptus marginata* bark on ground; Darling Range near Mount Helena (Hnatiuk 780074).

Trichia favoginea (Batsch) Pers.

Rotting bark; Bluff Knoll, Stirling Range, W.A. (Hnatiuk 761447); rotting wood on ground in *Eucalyptus marginata*-*E. diversicolor* forest; ca. 15 km N of Augusta

STEMIONITACEAE

Diachea leucopodia (Bull.) Rost.

Rotting leaves in garden; Perth, W.A. (Hnatiuk 761453).

Comatricha nigra (Pers.) Schroet.

Plank (*Eucalyptus marginata*) in suburban garden; Perth, W.A. (Hnatiuk 761454).

Stemionitis fusca Roth.

Rotting bark on ground, *Eucalyptus marginata*-*E. diversicolor* forest; ca. 15 km N of Augusta (Hnatiuk 771541).

PHYSARACEAE

Physarum nutans Pers.

Rotting wood in vine thicket, Mitchell Plateau, W.A. (Hnatiuk 761451).

Physarum viride (Bull.) Pers.

Rotting bark, Bluff Knoll, Stirling Range, W.A. (Hnatiuk 761449).

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REFERENCE

Martin, G.W. & Alexopoulos, C.F. (1969) - *The Myxomycetes*. University of Iowa Press, Iowa City.