

INSECTS OF MACQUARIE ISLAND. ARANEIDA (SPIDERS)

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This report is based on two collections of spiders from Macquarie Island. A small collection was made by Dr. J. L. Gressitt, during a short visit to Macquarie Island in 1960, and an extensive collection sent to me by Mr. K. Watson, Antarctic Division, Melbourne, was made in the course of an ecological study undertaken at the A. N. A. R. E. Station on Macquarie Island during 1960 and 1961.

Four species have been recorded previously from Macquarie Island: *Myro kerguelensis* Cambridge, *Mynoglenes marrineri* Hogg, *Mynoglenes insolens* Simon, and *Oecobius navus* Blackwall.

The record of *Oecobius navus*, a species with a very wide distribution is based on a single immature specimen found on a pipette when sorting material from Station 82 of the B. A. N. Z. A. R. Expedition, 1929-31 (Hickman 1939), and was probably brought in with stores from Australia where the species had been previously recorded.

The present collection of approximately 400 spiders includes numerous specimens of two species, *Mynoglenes marrineri* and *Myro kerguelensis*; the third species, *Mynoglenes insolens* is not present. The known distribution of these three species is *Mynoglenes marrineri*—Auckland Islands, Campbell Island, Antipodes Island, and Macquarie Island. *Mynoglenes insolens*—Chatham Island, Auckland Island, Campbell Island, and Macquarie Island, *Myro kerguelensis*,—Kerguelen Island, Heard Island, Crozets, and Macquarie Island.

The present collections indicate that the spider fauna of Macquarie Island is less varied than that of most other subantarctic islands and consists only of species which by their relatively wide distribution appear to have little difficulty in crossing water gaps.

***Myro kerguelensis* Cambridge, 1876.**

Collected by K. C. Watson: M/61/Z/22, ex *Stilbocarpa* litter; M/61/Z/82, ex *Stilbocarpa* litter; M/61/Z/1, ex *Stilbocarpa* litter; M/61/Z/15, soil around dead *Poa* roots; M/61/Z/33, ex *Poa hamiltoni* and soil; M/61/Z/53, under feldmark rocks, Plateau; M/61/Z/59, ex *Stilbocarpa* and *Pleurophyllum* litter; M/61/Ar/59, Whiteheaded Petrel burrow, Plateau; M/61/Z/90, Feldmark soil (under moss), Plateau; M/61/Ar/486, Penguin Rookery; M/61/Z/41, ex *Stilbocarpa* litter; M/61/Z/60, ex *Stilbocarpa* litter; M/Z/61/Z/68, ex *Pleurophyllum* litter; M/61/Z/64, ex *Colobanthus muscoides*; M/61/Z/79, ex *Poa hamiltoni* rotting leaves; M/61/Z/2, ex *Poa foliosa* litter; M/61/Ar/28, ex *Puccinellia macquariensis*, coastal rocks; M/61/Ar/14, ex *Colobanthus muscoides*; M/61/Ar/47, ex *Festuca erecta*; M/61/Z/65, ex *Montia fontana* and soil, seal wallow area; M/61/Ar/6, ex *Poa foliosa*; M/61/Z/75, ex *Puccinellia macquariensis*; M/61/Z/24, in Dove Prion nests, Plateau (i. e. in burrows); M/61/Z/73 ex *Poa hamiltoni* decaying leaves; M/61/Z/83, ex *Poa hamiltoni*

rotting leaves; M/61/Z/45, ex *Puccinellia macquariensis*; M/61/Ar/19, under stones, Cormorant Rookery; M/61/Ar/20, ex *Acaena adscendens*, Plateau; M/61/Ar/11, ex *Pleurophyllum hookeri*, Plateau; M/61/Z/61 ex *Poa foliosa* leaves; M/61/Ar/49, ex *Puccinellia macquariensis*; M/61/Ar/32, ex *Stilbocarpa* leaves; M/61/Z/69, ex *Stilbocarpa* litter; M/61/Z/70, ex *Festuca erecta*; M/61/Z/96, 31. V. 1961, North Head, ex *Poa hamiltoni* tussock; M/61/Z/184, 26. IX. 1961, N. Head, ex *Puccinellia* and soil; M/61/Z/160, 26. VIII. 1961, N. Head, rookery rocks; M/61/Z/162, 26. VIII. 1961, N. Head, rookery rocks; M/61/Z/202, 16. X. 1961, N. Head, ex *Poa hamiltoni*; M/61/Z/104, 20. VI. 1961, Lambing Gully, ex *Stilbocarpa* litter; M/61/Z/188, 30. IX. 1961, Lambing Gully, ex *Stilbocarpa* litter; M/61/Z/102, 20. VI. 1961, Lambing Gully, ex *Stilbocarpa* leaves; M/61/Z/189, 30. IX. 1961, Lambing Gully, ex *Stilbocarpa* leaves; M/61/Z/231, 1. XII. 1961, Lambing Gully, ex *Stilbocarpa* leaves; M/61/Z/240, 5. XII. 1961, Handspike Pt., Bog; M/61/Z/101, 9. VI. 1961, Handspike Pt., ex *Stilbocarpa* litter; M/61/Z/185, 28. IX. 1961, Handspike Pt., ex *Stilbocarpa* litter; M/61/Z/227, 29. XI. 1961, Garden Cove, ex *Colobanthus muscoides*; M/61/Z/179, 18. IX. 1961, Garden Cove, Coastal Rocks; M/61/Z/130, 26. VII. 1961, Wireless Hill, ex Mosses; M/61/Z/106, 26. VI. 1961, Plateau, ex *Stilbocarpa* soil and litter; M/61/Z/26, 2. III. 1961, Nuggets, ex fern litter; M/61/Z/234, 3. XII. 1961, Plateau ex Herbfeld plants; M/61/Ar/53, under feldmark rocks, Plateau; M/61/Z/227, 29. XI. 1961—; M/61/Z/344, 7. III. 1961, Gadget Gully, ex *Pleurophyllum* litter; M/61/Z/170, 7. IX. 1961, Camp Hill, ex Sheep dung and soil; M/61/Z/99, 5. VI. 1961, Nuggets Pt., Coastal Rocks; M/61/Z/173, 13. IX. 1961, Camp Hill, ex *Poa annua* and *foliosa*; M/61/Z/219, 25. XI. 1961, Plateau, ex Lichens and mosses; M/61/Z/218, 25. XI. 1961, Plateau, ex *Azorella* and mosses; M/61/Z/203, 25. X. 1961, Caroline Valley, ex *Poa hamiltoni*. Collected by J. L. Gressitt: 8. XII. 1960, N. Head, ex *Azorella*; 9. XII. 1960, N. Head, W. Coast, in *Azorella*; 9. XII. 1960, Wireless Hill, 100 m, ex *Pleurophyllum*; 7. XII. 1960, N. end, ex *Mose-Azorella*, Berlese; 5. XII. 1960, 3 m, N. Carrion; 10. XII. 1960, U. W. Coast, ex *Pleurophyllum* debris; 5. XII. 1960, Plateau N., ex *Pleurophyllum*; 6. XII. 1960, Plateau N., under stones; 10. XII. 1960, N. end, W. beach, ex *Azorella*; 5, 10. XII. 1960, NE beach, ex tussock; 4. XII. 1960, Green Gorge, ex tussock. Collected by J. H. Calaby: M/60/Ar/30, 5. XII. 1960, Gadget Gully; M/60/Ar/40, 6. XII. 1960.

Mynoglenes marrineri Hogg, 1909

Collected by K. C. Watson: M/61/Z/28, ex *Stilbocarpa* litter; M/61/Z/48, ex *Stilbocarpa* soil and litter; M/60/Ar/3, ex *Colobanthus muscoides*; M/61/Z/49, ex *Stilbocarpa* fruiting heads; M/61/Ar/24, under stones, *Poa foliosa* grass land; M/61/Z/27, ex *Stilbocarpa* litter; M/61/Z/17, ex *Stilbocarpa* leaves, stems and litter; M/61/Ar/3, ex *Colobanthus muscoides*; M/61/Ar/38, ex *Poa foliosa* tussock; M/60/Ar/15, ex *Stilbocarpa polaris*; M/61/Ar/60, ex *Poa foliosa* tussock; M/61/Ar/52, ex *Poa foliosa*; M/60/Ar/6, ex *Poa foliosa*; M/61/Ar/1 amongst pebbles, Plateau; M/61/Z/66, ex *Poa annua*; M/61/Z/112, 4. VII. 1961, Camp Hill, ex *Poa annua*; M/61/Z/197, 12. X. 1961, Camp Hill, ex *Colobanthus muscoides*; M/61/Z/147, 14. XII. 1961, Camp Hill, ex *Poa annua* leaves; M/61/Z/120, 13. VII. 1961, Camp Hill, ex *Poa annua* and *foliosa*; M/61/Z/231, 1. XII. 1961, Lambing Gully, ex *Stilbocarpa* leaves; M/61/Z/199, 13. X. 1961, Nuggets Pt., ex *Stilbocarpa* litter; M/61/Ar/22, under stones, Royal Rookery; M/61/Ar/31, under rocks, sandy beach; M/61/Ar/37, under rocks, sandy beach; M/61/Ar/13, interior huts; M/61/Z/189, 30. IX. 1961, Lambing Gully, ex *Stilbocarpa* leaves; M/61/Z/235, 1. XII. 1961, Camp Hill Pt., ex *Cotula plumosa*; M/61/Z/187, 30. IX.

1961, Garden Cove, Rockhopper nest material; M/61/Z/66, ex *Poa annua*. Collected by J. L. Gressitt: 4. XII. 1960, ex Tussocks; 8. XII. 1960, coast of N. Head, ex *Azorella*; 5. XII. 1960, 4 m, N. end, ex moss; 5. XII. 1960, 3 m, N. end, ex carrion; 10. XII. 1960, NW Coast, ex *Pleurophyllum* debris. Collected by J. H. Calaby: M/60/Ar/1a, 4. XII. 1960, Garden Cove; M/60/Ar/3a, 5. XII. 1960, Gadget Gully.

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