

ART. IX.—*Contributions to the Flora of Australia, No. 34.**
Additions to the Flora of the Northern Territory and
Locality Records.

By

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The records made in this paper are mainly the result of a revision of the collection of Northern Territory plants made by the Horn Expedition in 1894. This collection is housed in the Tate Herbarium at the University of Adelaide, and we have here to acknowledge our gratitude to Professor Osborn for making this material available to us.

Many of the species have not been previously recorded either in the report of the Horn Expedition or in the Flora of the Northern Territory, and other records add considerably to the range of species already known without definite locality from Northern Australia, and recorded in the Melbourne National Herbarium Census.

This paper is a further step in the collection of material for a complete Flora of the Northern Territory.

GRAMINEAE.

Eriochloa punctata Hamilton.

Swallow Creek, Gidia Creek, and Opossum Waterhole, R.

Tate, May, 1894, (labelled *E. polystachya* H. B. et K).

Panicum effusum R.Br.

Tennant's Creek, R. Tate, 1894.

P. reversum F.v.M.

Finke River, R. Tate, 1894.

Setaria glauca (L.) Beauv.

Palmerston, Arnheim's Land, M. Holtze, 1882.

S. verticillata (L.) Beauv.

Opossum Waterhole, R. Tate, 1894.

Alopecurus geniculatus L.

Barrow Creek, R. Tate, 1894.

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Eriachne ovata Nees var. *pallida* Benth.

MacDonnell Ranges, R. Tate, 1894.

Triraphis danthonioides F.v.M.

Gill's Range, R. Tate, 1894.

This is the first definite locality recorded for this species in the Northern Territory.

Chloris divaricata R.Br.

Finke River, R. Tate, 1894 (labelled *C. acicularis*).

Fimbristylis Neilsonii F.v.M.

MacDonnell Ranges, Rev. Kempe, 1883.

Scirpus americanus Pers.

Illara Water, R. Tate, 1894 (labelled *S. pungens*).

This species had not been previously recorded for the Northern Territory.

CENTROLEPIDACEAE.

Centrolepis polygyna (R.Br.) Hieron.

South of the MacDonnell Ranges, R. Tate, 1894.

POLYGONACEAE.

Polygonum serrulatum Lag.

Finke River, R. Tate, 1894.

CHENOPODIACEAE.

Chenopodium cristatum F.v.M.

Ilpilla Gorge, R. Tate, 1894.

Atriplex campanulatum Benth.

On the sandhills south of the MacDonnell Ranges, R. Tate, 1894. This species has not been previously recorded for the Northern Territory.

A. fissivalve F.v.M.

Near Elizabeth Creek, — Giles.

This species has not been previously recorded for the Northern Territory.

A. limbatum Benth.

Finke River, R. Tate, 1894.

Bassia convexula R. H. Anders. (= *B. echinopsila* F.v.M.).

The Goyder and Ilpilla Gorge, R. Tate, 1894.

B. eriacantha (F.v.M.) R. H. Anders.

This species has not been previously recorded for the Northern Territory.

Kochia Georgei Diels.

Mt. Olga, W. H. Tietkens, 1899.

K. villosa L. var. *enchylaenoides* J. M. Black.

Charlotte Waters, R. Tate, 1894.

- Threlkeldia inchoata* J. M. Black.
Adminga Creek, R. Tate, 1894.
Arthrocnemum halocnemoides Nees.
Finke River, R. Tate, 1894.

AMARANTACEAE.

- Trichinum arthrolasium* F.v.M.
MacDonnell Ranges, R. Tate, 1894.
T. helipteroides F.v.M.
Ilpilla, Barrow Creek, R. Tate, 1894.
T. helipteroides F.v.M. var. *minor* J. M. Black.
Finke River, R. Tate, 1894.
T. nobile L. (= *Ptilotus nobilis* (L.) F.v.M.).
Mt. Sonder, MacDonnell Ranges, R. Tate, 1894.
T. parvifolium F.v.M. (= *Ptilotus parvifolius* F.v.M.).
Crown Point, Finke River, R. Tate, 1894.
This is the first definite locality recorded for this species in the Northern Territory.
Amarantus Mitchelli Benth.
On the sandhills south of the MacDonnell Ranges, R. Tate, 1894.
This species has not been previously recorded for the Northern Territory.
Gomphrema affinis F.v.M.
Croker Island, R. Tate (No. 60), March, 1883; Pine Creek, MacDonnell Ranges, R. Tate, 1894.
G. Brownii Moq.
Finke River, Rev. Kempe, 1882; Mt. Sonder, R. Tate, 1894.
G. parvifolia Benth.
Mt. Norris Bay, R. Tate (No. 79), March, 1883; Pine Creek and Barrow Creek, R. Tate, 1894.

AIZOACEAE.

- Trianthema crystallina* Vahl. var. *clavata* J. M. Black.
Throughout the MacDonnell Ranges, R. Tate, 1894.

PORTULACEAE.

- Portulaca filifolia* F.v.M.
Stuart's Pass, MacDonnell Ranges, R. Tate, 1894.
P. oleracea L. var. *grandifolia* Benth.
On the sandhills of the MacDonnell Ranges, R. Tate, 1894.
Calandrinia polyandra (Hook.) Benth.
Finke River, R. Tate, 1894.
This is the first definite locality recorded for this species in the Northern Territory.

C. pusilla L. (= *C. volubilis* Benth.).

MacDonnell Ranges, Rev. Kempe, 1883.

This species has not been previously recorded for the Northern Territory.

C. remota J. M. Black.

Charlotte Waters, Baron von Mueller.

CRUCIFERAE.

Menkea australis Lehm.

South of the MacDonnell Ranges, R. Tate, 1894.

M. sphaerocarpa, F.v.M.

Mt. Olga, Rev. Kempe, 1883.

CRASSULACEAE.

Crassula bonariensis (D.C.) Cambess.

Finke River, Rev. Kempe, 1883; (labelled *Tillaea purpurata* Hook.).

C. colorata (Nees) Ostenf.

MacDonnell Ranges, R. Tate, 1894.

LEGUMINOSAE.

Acacia Bynoeana Benth. (= *A. Wilhelmiana* F.v.M.).

Along the west end of Lake Amadeus, W. H. Tietkens, 1889.

A. Cambagei Baker.

The Goyder, Swallow Creek, and on the slopes of Mt. Daniel, R. Tate 1894 (labelled *A. homalophylla* Cunn.).

A. coriacea D.C.

MacDonnell Ranges, R. Tate, 1894.

A. ligulata A. Cunn.

West of the MacDonnell Ranges, W. H. Tietkens, 1889.

Cassia Sturtii R.Br. var. *involuta* J. M. Black.

Stuart's Pass, MacDonnell Ranges, R. Tate, 1894.

Bauhinia Leichardtii F.v.M. var. *cinerascens*.

MacDonnell Ranges, C. A. Winnecke, 1883.

Isotropis Winneckiana F.v.M.

MacDonnell Ranges, C. A. Winnecke, 1883.

Crotalaria unifoliata Benth.

Cameron's Well, Central Australia, R. Tate, 1894.

Indigofera saxicola F.v.M.

Yam Creek, R. Tate (No. 7), 1883.

Swainsona Burkei F.v.M. var. *parviflora*.

Near Mt. Sonder, R. Tate, 1894.

S. canescens F.v.M. var. *Horniana* Tate.

Glen Helen Gorge, R. Tate, 1894 (labelled *S. Horniana*).

S. stipularis F.v.M.

Common in the scrub near the Goyder, W. H. Tietkens, 1889.

ZYGOPHYLLACEAE.

Zygophyllum Billardieri D.C. (= *Z. ammophyllum* F.v.M.).

Finke River at Idracowrie, R. Tate, 1894.

Z. compressum J. M. Black.

Sonder's Range, R. Tate, 1894.

Tribulus minutus Leich.

Ayer's Rock, MacDonnell Ranges, W. H. Tietkens, 1889.

POLYGALACEAE.

Polygala orbicularis Benth.

Port Darwin, R. Tate (No. 95), 1883.

STACKHOUSIACEAE.

Macgregoria racimigera F.v.M.

MacDonnell Ranges, C. A. Winnecke, 1883; Mt. Gillen and North of Alice Springs, R. Tate, 1894.

This is the first definite locality recorded for this species in the Northern Territory.

TILIACEAE.

Corchorus vermicularis F.v.M. (= *Scorpioides simplicifolia* Ewart and Petrie, 1926).

Wycliffe, A. J. Ewart, 1924.

This curious plant is only recorded from one locality in Bentham's Flora, and it is sparsely distributed in the Northern Territory, usually near to river banks or on flood-plains. In North-West Australia it has recently appeared in many localities from Derby to Fitzroy Crossing and Leopold, mostly on grazed river areas after floods, in some cases being now the dominant vegetation over acres of ground. Apparently it is a native plant whose spread is favoured by grazing; sheep, cattle and horses usually avoid it, and even goats appear to eat it only sparingly.

STERCULIACEAE.

Melhantha incana Heyne (= *Sideria reverta* Ewart and Petrie, 1926).

Taylor's Well, A. J. Ewart, 1924. This is the first record of this plant in the interior of Northern Australia. The suppressed genus "*Sideria*" was placed under the Malvaceae.

Ruelandia hermanniaefolia Steetz.

Near the Finke River, Rev. Kempe, 1882; Watson Hills, W. H. Tietkens, 1889. (Labelled *Commersonia Kempeana* F.v.M.).

DILLENIACEAE.

Pachynema sphenandrum F.v.M.

Near Yam Creek, R. Tate, 1894.

This is the first definite locality recorded for this species in the Northern Territory.

LYTHRACEAE.

Rotala occultifolia Koch var. *Leichardtii* Koch.

West of the MacDonnell Ranges, W. H. Tietkens, 1889;
Deering Creek, R. Tate, 1894.

This is the first definite locality recorded for this species in the Northern Territory.

MYRTACEAE.

Micromyrtus ciliata J. M. Black (= *Thryptomene flavifolia* F.v.M.).

Along the south side of Gill's Range, R. Tate, 1894.

HALORRHAGIDACEAE.

Loudonia Roei Schlechtd.

On the sandhills south of Gill's Range, R. Tate, 1894.

BORAGINACEAE.

Heliotropium heteranthum F.v.M.

Near Lake MacDonald, Central Australia, W. H. Tietkens,
June, 1889.

H. tenuifolium R.Br.

MacDonnell Ranges, R. Tate, 1894.

CONVOLVULACEAE.

Ipomoea heterophylla Schrank.

Port Darwin, R. Tate, (No. 50), 1883.

I. lonchophylla J. M. Black.

Swallow Creek, R. Tate, 1894 (labelled *I. heterophylla*).

SCROPHULARIACEAE.

Striga curviflora Benth.

MacDonnell Ranges, W. H. Tietkens, 1889.

S. hirsuta, Benth.

Port Darwin, R. Tate (No. 99), 1883.

This species has not been previously recorded for the Northern Territory.

ACANTHACEAE.

Ruellia bracteata R.Br.

Yam Creek, R. Tate (No. 29), 1883.

MYOPORACEAE.

Myoporum deserti A. Cunn.

South of the MacDonnell Ranges, W. H. Tietkens, 1889.

M. montanum R.Br.

MacDonnell Ranges, R. Tate, 1894 (labelled *M. Dampieri*).

Eremophila Elderi F.v.M.

James's Range, R. Tate, 1894.

E. Latrobei F.v.M. var. *Tietkensii* (= *E. Tietkensii* F.v.M.).

On the south side of Gill's Range, R. Tate, 1894.

E. neglecta J. M. Black.

At Yellow Cliffs, near Charlotte Waters, R. Tate, 1894.

VERBENACEAE.

Newcastlia cephalantha F.v.M.

Finke River, R. Tate, 1894.

RUBIACEAE.

Oldenlandia elatinoides F.v.M.

Deering Creek and Haast's Bluff, MacDonnell Ranges, R. Tate, 1894.

This species has not been previously recorded for the Northern Territory.

GOODENIACEAE.

Scaveola ovalifolia R.Br. var. *parviflora*.

Mt. Sonder, Illawarta and Idracowra, R. Tate, 1894. This is the first record of this variety in the Northern Territory.

COMPOSITAE.

Vittadinia brachycomoides F.v.M.

Throughout the MacDonnell Ranges, R. Tate, 1894.

Calotis cuneifolia R.Br.

In the mulga scrub at Glen Edith, R. Tate, 1894 (labelled *C. dentrix*).

This species has not been previously recorded for the Northern Territory.

C. scabiosifolia F.v.M.

Finke River, R. Tate, 1894.

Helichrysum bracteatum Willd.

Finke River, Rev. Kempe, 1883 (labelled *H. lucidum* Henck.).

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