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## Preliminary List of the Flowering Plants of Adair County

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PRELIMINARY LIST OF THE FLOWERING PLANTS  
OF ADAIR COUNTY.

BY JAMES E. GOW.

The collections on which this report is based were made chiefly during the summer of the year 1900, some of the work, however, having been done some years earlier. It is the hope of the author that he may in the course of time be able to supply a complete account of the flora of the county—one which will be exhaustive to the last detail. Heretofore such an undertaking has not been possible for him. The work has been done in the intervals of other work and has taken into account chiefly the more common species. It is here presented as preliminary to the more complete report which, it is hoped, will follow it. The grasses and sedges have been purposely reserved for a separate report.

The nomenclature used is that of the sixth edition of Gray's Botany. While more recent systems may have good claims to superiority, the nomenclature of Gray is more generally known than any other, and is better understood by the majority of amateur botanists.

RANUNCULACEAE.

*Clematis virginiana* L. Not rare.

*Anemone cylindrica* Gray. Very common.\*

*A. virginiana* L. Not rare.

*Thalictrum purpurascens* L.

*Ranunculus acris* L. Very abundant in low grounds.

*R. abortivus* L.

*Isopyrum biternatum* T. and G.

*Aquilegia canadensis* L.

*Delphinium azureum* Ait. Low grounds. Common.

*D. exaltatum* Ait. Very rare. One specimen in the author's collection is certainly of this species.

\*In the case of the more common prairie species no attempt is here made to describe the habitat, or abundance of the species, except in cases where Adair county shows features which are novel and unusual. Most of the species are common and generally known. As a rule, woodland species are noted in the text.

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*Delphinium tricorne* Michx. Very common in low grounds.

BERBERIDACEAE.

*Berberis vulgaris* L. Escaped from cultivation.

PAPAVERACEAE.

*Sanguinaria canadensis* L. Common in woodlands.

FUMARIACEAE.

*Dicentra cucullaria* DC. Very common in woods.

*Corydalis aurea* Willd. Not uncommon.

CRUCIFERAE.

*Capsella bursa-pastoris* (L) Moench.

*Lepidium virginicum* L.

*Sisymbrium officinale* (L) Scop.

*Brassica nigra* (L) Koch.

*B. sinapistrum* Boiss.

*Arabis Canadensis* L.

*Cardamine hirsuta* L.

*Nasturtium armoracia* (L) Fries.

*N. officinale* R. Br.

*Raphanus sativus* L. Escaped from cultivation.

CAPPARIDACEAE.

*Polanisia trachysperma* T. and G.

VIOLACEAE.

*Viola pedata* L.

*V. blanda* Willd. Not common.

*V. cucullata* Ait.

*V. pubescens* Ait.

CARYOPHYLLACEAE.

*Silene stellata* Ait.

*S. nocturna* L.

PORTULACACEAE.

*Portulaca oleracea* L.

*Claytonia virginica* L. Common in woodlands.

HYPERICACEAE.

*Hypericum ascyron* L. Common.

MALVACEAE.

*Malva rotundifolia* L.

*Abutilon avicennae* Gaertn. Escaped from cultivation, or introduced in grain seed.

TILIACEAE.

*Tilia americana* L.

LINACEAE.

*Linum usitatissimum*. Escaped from cultivation.

*L. sulcatum* Riddell. Not very common.

GEBANIACEAE.

*Geranium maculatum* L.  
*Oxalis violacea* L.  
*O. stricta* L.

BUTACEAE.

*Xanthoxylum americanum* Mill. Not common. Found on steep bluffs along the course of middle river.

CELASTRACEAE.

*Celastrus scandens* L.

VITACEAE.

*Vitis riparia* Michx.  
*Ampelopsis quinquefolia* Mx. Common in timber.

SAPINDACEAE.

*Aesculus glabra* Willd.  
*Acer dasycarpum* Ehrh.  
*Negundo aceroides* Moench.

ANACARDIACEAE.

*Rhus glabra* L.  
*R. toxicodendron* L. Rare, in dense timber.

LEGUMINOSAE.

*Baptisia leucantha* T. & G.  
*B. leucophea* Nutt.  
*Lupinus perennis* L. Probably fugitive from gardens.  
*Trifolium pratense* L.  
*T. repens* L.  
*T. hybridum* L.  
*Melilotus alba* Lam. Quite common, only in the western half of the county, where the roadsides are covered with it.  
*Medicago sativa* L.  
*Amorpha canescens* Nutt.  
*Petalostemon violaceus* Michx.  
*P. candidus* Michx.  
*Tephrosia virginiana* Pers.  
*Astragalus caryocarpus* Ker.  
*A. cooperi* Gray. Not common.  
*Desmodium acuminatum* DC. Common on Middle river near northern boundary of county.  
*D. rigidum* D. C.  
*Lespedeza capitata* Michx.  
*Amphicarpaea monoica* Nutt. Tolerably common in woods.  
*Cassia chamaecrista* L. Very abundant.  
*Gleditschia triacanthos* L. Rare.

ROSACEAE.

*Prunus Americana* Marsh.  
*P. serotina* Ehrh.

*Prunus virginiana* L.  
*Geum virginianum* L.  
*Rubus villosus* Ait. Escaped from cultivation.  
*Fragaria vesca* L. Escaped from cultivation.  
*F. virginiana* Mill.  
*Potentilla norvegica* L.  
*P. arguta* Pursh.  
*P. paradoxa*.  
*P. canadensis* L. Common in low lands.  
*Agrimonia eupatoria* L. Woodlands.  
*A. parviflora* Ait. Woods.  
*Crataegus coccinea* L.  
*C. tomentosa* L. /  
*Rosa arkansana* Porter.  
*Pyrus coronaria* L.

SAXIFRAGACEAE.

*Ribes gracile* Michx. Common in woodlands, and cultivated.

LYTHRACEAE.

*Lythrum alatum* Pursh. Not very common.

ONAGRACEAE.

*Gaura biennis* L.  
*Oenothera biennis* L.  
*Circaea lutetiana* L. Not common.

CUCURBITACEAE.

*Echinocystis lobata* Torr & Gray.

UMBELLIFERAE.

*Heraclium lanatum* Mx. Low prairie. Common.  
*Thaspium barbinode* Nutt. Banks of streams.  
*Sium cicutaefolium* Gmelin. Common on lowlands.  
*Zizia aurea* Koch. Common on lowlands.  
*Cicuta maculata* L. Common on lowlands.  
*Osmorrhiza brevistylis* DC. Not uncommon on higher land than preceding.  
*O. longistylis* D. C. Same habitat as preceding.  
*Eryngium yuccaefolium* Mx.

CORNACEAE.

*Cornus paniculata*, L'Her. Low thickets. Only tolerably common.

CAPRIFOLIACEAE.

*Sambucus canadensis* L.  
*Lonicera glauca* Hill. (?)

COMPOSITÆ.

*Vernonia fasciculata* Mx.  
*Eupatorium ageratoides* L. Rather common in woods.

- Liatris scariosa* Willd.  
*L. pycnostachya* Mx.  
*Solidago missouriensis* Nutt.  
*S. speciosa* var. *angustata*.  
*S. rigida* L.  
*S. lanceolata* L.  
*Aster multiflorus* Ait.  
*Aster laevis* L.  
*Erigeron strigosus* Muhl.  
*Silphium laciniatum* L.  
*S. integrifolium* Mx.  
*S. perfoliatum* L.  
*Ambrosia trifida* L.  
*A. artemisiæfolia* L.  
*A. psilostachya* DC. Less common than the two preceding species.
- Xanthum canadense* Mill.  
*Heliopsis scabra* Dunal.  
*Echinacea angustifolia* DC.  
*Rudbeckia subtomentosa* Pursh.  
*Lepachys pinnata* T. & G.  
*Helianthus annuus* L.  
*H. grosse-serratus* Marteus.  
*Bidens frondosa* L.  
*Dysodia chrysanthemoides* Lag.  
*Chrysanthemum leucanthemum* L. Abundant in pastures, in scattered localities throughout the county. A very troublesome weed.  
*Tanacetum vulgre* L.  
*Senecio aureus* L.  
*Cacalia tuberosa* Nutt.  
*Arctium lappa* L.  
*Cnicus arvensis* Hoffm. Common only in isolated localities, but spreading.  
*Taraxacum officinale* Weber.  
*Lactuca scariola* L. Very abundant as a weed in gardens, as are also the two following species.  
*L. canadensis* L.  
*Sonchus asper* Vill.

LOBELIACEÆ.

- Lobelia spicata* Lam.  
*L. syphilitica* L.

CAMPANULACEÆ

- Campanula americana* L.

PRIMULACEÆ.

- Steironema ciliatum* Raf. (*Lysimachia ciliata*.)

OLEACEÆ.

- Fraxinus americana* L.  
*F. rigidis* Mx.

ASCLEPIADACEÆ.

- Asclepias tuberosa* L.  
*A. incarnata* L.  
*A. cornuti* Dec.  
*A. verticillata* L.  
*Acerates longifolia* Ell.

GENTIANACEÆ.

- Gentiana alba* Muhl.  
*G. saponaria* L.

POLEMONIACEÆ.

- Phlox pilosa* L.

HYDROPHYLLACEÆ.

- Hydrophyllum virginicum* L. Woodlands.  
*Ellisia nyctelea* L. Not very common.

BORRAGINACEÆ.

- Lithospermum canescens* Lehm.

CONVOLVULACEÆ.

- Convolvulus sepium* L.  
*Cuscuta glomerata* Choisy. Not common.

SOLANACEÆ.

- Solanum nigrum* L.  
*S. carolinense* L.  
*S. rostratum* Dunal.  
*Physalis lanceolata* Mx.  
*Datura stramonium* L.  
*D. tatula* L.

SCHROFULARIACEÆ.

- Verbascum thapsus* L.  
*Veronica virginica* L.  
*Catalpa speciosa* Warder. (Escaped from cultivation.)

VERBENACEÆ.

- Verbena stricta* Vent.  
*V. urticaefolia* L.  
*V. bracteosa* Mx.

LABIATAE.

- Pycnanthemum lanceolatum* Pursh. Not common. Woodlands.  
*Mentha canadensis* L. Low prairies—common.  
*Monarda fistulosa* L.  
*Nepeta cataria* L.  
*N. glechoma* Benth.  
*Scutellaria lateriflora* L. Woods.  
*Brunella vulgaris* L. Woodlands. Common.  
*Stachys palustris* L. Woodlands. Common.

PLANTAGINACEAE.

*Plantago major* L.

NYCTAGINACEAE.

*Oxybaphus hirsutus* Sweet.

*O. angustifolius* Sweet, (?)

ILLECKBRACEAE.

*Anychia dichotoma* Mx. Woods. Not very common.

AMARANTACEAE.

*Amarantus retroflexus* L.

CHENOPODIACEAE.

*Chenopodium album* L.

POLYGONACEAE.

*Rumex crispus* L. Common everywhere.

*R. verticillatus* L. Tolerably common.

*Polygonum aviculare* L.

*P. ramoissimum* Mx.

*P. incarnatum* Watson. Sloughs. Only tolerably common.

*P. persicaria* L.

*P. orientale* L. Escaped from gardens.

*Fagopyrum esculentum* Moench. Cultivated species run wild.

EUPHORBIACEAE.

*Euphorbia corollata* L.

*E. maculata* L.

*E. preslii* Guss.

*Acalypha virginica* var *gracileus* Mueller. Not common.

URTICACEAE.

*Ulmus americana* L.

*U. pubescens* Walt. (*U. fulva* Mx.)

*Ulmus racemosa* Thomas. Reported from the west side of the county, along the course of the Nodaway river, but very doubtful.

*Celtis occidentalis* L.

*Cannabis sativa* L. Escaped from cultivation, or adventitious.

*Humulus lupulus* L. Occasionally fugitive from cultivation in brush and low woody thickets.

*Urtica gracilis* Ait.

*Pilea pumila* Gray. Common in all woods.

JUGLANDACEAE.

*Juglans nigra* L.‡

*Carya alba* Nutt.

*C. amara* Nutt.

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‡*Juglans cinerea* occurs in Madison county, but has not been found in Adair county. The sycamore tree has also been found to the east of the line separating the two counties, but never to the west of it.



‡COPULIFERAE.

*Corylus americana* Walt.

*Ostrya virginica* Willd.

*Quercus macrocarpa* Mx. High prairie and bluffs along river.

*Q. rubra* L.

*Q. alba* L.

*Q. coccinea* Wang. All four species common along larger streams.

SALICACEAE.

*Salix amygdaloides* And.

*S. alba* L.

*S. nigra* Marsh.

*S. Cordata* Muhl. Not common. Discovered on Middle river near Madison county line.

*Populus monilifera* Ait.

ORCHIDACEAE.

*Spiranthes gracilis* Bigelow. Very rare. Collected by Mr. J. G. Culver on the road between Greenfield and Orient.

*Cypripedium candidum* Willd. Very rare.

*Habenaria leucophea* Gray. Once very common. Now almost extinct.

IRIDACEAE.

*Sisyrinchium augustifolium* Mill.

AMARYLLIDACEAE.

*Hypoxis erecta* L.

LILIACEAE.

*Allium canadense* Kalm. Abundant in two or three restricted localities.

*Polygonatum biflorum* Ell. Low woodlands or brush.

*Asparagus officinalis* L. Escaped from gardens.

*Uvularia grandiflora* Smith. Woodlands. Not very common.

*Erythronium americanum* Ker. Woods.

*Lilium philadelphicum* L.

*Trillium nivale* Riddell. Woods.

*Melanthium virginicum* L.

*Smilacena racemosa* Desf. Woods.

MAYACEAE.

*Tradescantia virginica* L.

TYPHACEAE.

*Typha latifolia* L.

ARACEAE.

*Arisaema triphyllum* Tou.

ALISMACEAE.

*Sagittaria variabilis* Eng.

‡The birch occurs in Guthrie county but has not been discovered in Adair.