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FLOWERS OF STORY COUNTY.

BY J. M. LINDLY.

Noticing that the proceedings of the Iowa Academy of Science do not contain any particular enumeration of the flowers of Story county, the writer is prompted to offer the following list from the herbarium of Vene C. Gambell, who was a student at Ames during the earlier part of the decade of 1880-90. Such a list, perhaps only partial, is thus afforded the academy, and a more permanent and accessible record given the earlier work of one of the brightest young students of science in the history of the state, who, had he been permitted to round out the ordinary span of life, would, doubtless, have attained a degree of scientific success worthy of the promises of his youthful attainments. Born near Winfield, Iowa, in 1863, he received the degree of Bachelor of Science in 1886, from the Iowa Agricultural College, taught in the public schools of the state until 1894, his last position here being that of superintendent of the schools of Wapello, which he left the day after the close of his school there for San Francisco, from which he and his wife, Nellie Webster of Rhodes, Iowa, sailed, June 4, 1894, for St. Lawrence Island, Alaska, where he remained three years as United States government teacher to the natives, returning to his home at Winfield at the close of 1897. Sailing the second time for St. Lawrence Island, the vessel, Jane Grey, was wrecked just out of Puget sound, May 22, 1898, many being lost, including Mr. Gambell, wife and child.

R. Z. Kirkpatrick, formerly of Winfield, an alumnus of the state college at Ames, after an inspection of the college records and after conversing with the older members of the faculty, wrote concerning Mr. Gambell: "His electives were all in biological subjects, especially botany, zoology and chemistry. When he graduated he was considered one of the best botanists of the state. His grades in botany and zoology were three 4's—perfect marks—for his term's work. He took a prominent part in college activities, especially literary work, and in his junior year became very enthusiastic in college religious activities. He took an extra term in military drill and was a captain of cadets at the time of his graduation. Commandant Lincoln refers to him (in 1906)

as 'One of the best officers I ever had, and I recollect him as well as though 'twas yesterday.' "

AMARYLIDACEAE.

Hypoxys erecta. Star-grass. Prairies, Ames. May 15, 1884.

APOCYNACEAE.

Vinca herbacea. Periwinkle. Hill at Capt. Lincoln's, Ames. April, 1885.

ARACEAE.

Arisema Dracontium. Green Dragon. Along streams, Ames. May 28, 1884.

Arisema triphyllum. Indian Turnip. Woods, Ames. May, 1885.

ARILIACEAE.

Arilia nudicaulis. Wild Sarsaparilla. Woods, Ames. May 17, 1884.

ARISTOLOCHACEAE.

Asarum Canadense. Wild Ginger. Wooded hollows, Ames. May 18, 1884.

BERBERIDACEAE.

Caulophyllum thalictroides. Blue Cohosh. Woods, Ames. May, 1882.

Podophyllum peltatum. Mandrake. Woods, Ames. May, 1885.

Berberis vulgaris, var *purpurens*. I. A. C. Grounds, Ames. June, 1885.

BETULACEAE.

Betula alba. White Birch. I. A. C., Ames. May, 1885.

BORRAGINACEAE.

Lithospermum canescens. Puccoon. Prairie, Ames. May 10, 1884.

Lithospermum longiflorum. Puccoon. Prairies, Ames. May 10, 1884.

Mertensia Virginica. Blue Bell. Woods, Ames. May 6, 1884.

CAPRIFOLIACEAE.

Lonicera parviflora. Honeysuckle. Brush, Ames. May 17, 1884.

Triostema perfoliatum. Fever-wort. Woods, Ames. June, 1884.

CELASTRACEAE.

Eunonymus atropurpurens. Waahoo. Woods, Ames. June, 1884.

Celastrus scandens. Bitter-sweet. Timber, Ames. June, 1884.

COMPOSITAE.

Amtennaria plantaginifolia. Everlasting. Prairies, Ames. May, 1885.

Aster Novae-Angliae. Aster. Prairies, Ames. August, 1884.

Aster sericens. Aster. Prairies, Ames. August, 1884.

Erigeron Canadensis. Horse-Weed. Pastures, Ames. August, 1884.

Erigeron Philadelphicum. Fleabane. Prairies, Ames. June 1, 1884.

Eupatorium purpureum. Trumpet-Weed. Timber edge, Ames. Aug., 1884.

Helenium autumnale. Sneezeweed. Prairies, Ames. September, 1884.

Helianthus giganteus. Sunflower. Low grounds, Ames. August, 1884.

Maruta Cotula. May-Weed. Roads, Ames. June, 1884.

Solidago Canadensis. Golden-rod. Prairies, Ames. August, 1884.

Solidago rigida. Golden-rod. Pastures, Ames. September, 1884.

Taraxicum Dens-leonis. Dandelion. Meadows, Ames. May, 1884.

CONVOLVULACEAE.

Cuscuta glomerata. Dodder. Wild sunflower, Ames. August, 1884.

CRUCIFERAE.

Brassica nigra. Black Mustard. Fields, Ames. June 1, 1884.

Capsella Bursa-pastoris. Shepherd's Purse. Roads, Ames. May, 1885.

Cardamine rhomboidea. Spring Cress. Damp grounds, Ames. May 15, 1884.

Dentaria laciniata. Pepper-root. Along streams, Ames. May 8, 1884.

Draba Caroliniana. *Draba*. Sandy places, Ames. April 6, 1884.

CUPULIFERAE.

Carpinus Americana. Blue Beech. Woods, Ames. May, 1885.

Corylus Americana. Hazelnut. Brush, Ames. April, 1885.

CYPERACEAE.

Eriophorum polystachyon. Cotton Grass. Swamps, Ames. June 1, 1884.

EUPHORBACEAE.

Euphorbia hypericifolia. Prairies, Ames. October, 1884.

FUMARIACEAE.

Dicentra Cucullaria. Dutchman's Breeches. Woods, Ames. April 30, 1884.

FILICES.

Adiantum pedatum. Maidenhair. Woods, Ames. June 1, 1884.

Canoptosorus rhizophyllus. Walking-Leaf. Rocks, Boone, Iowa. September, 1884.

GERANIACEAE.

Geranium maculatum. Cranesbill. Woods, Ames. May 21, 1884.

Impatiens fulva. Touch-me-not. Woods, Ames. August, 1884.

Oxalis stricta. Yellow Sorrel. Meadows, Ames. August, 1884.

Oxalis violacea. Wood-Sorrel. Fields, Ames. May 8, 1884.

HYDROPHYLLACEAE.

Ellisia Nyctelea. *Ellisia*. Shady places, Ames. May 26, 1884.

Hydrophyllum Virginicum. Water-leaf. Woods, Ames. May 26, 1884.

IRIDACEAE.

Sisyrinchium Bermudiana. Blue-eyed grass. Prairies, Ames. May 19, 1884.

LABIATAE.

Brunella vulgaris. Heal-all. Fields, Ames. August, 1884.

Mentha Canadensis. Wild Mint. Wet grounds, Ames. August, 1884.

Scutellaria lateriflora. Skullcap. Wet ground, Ames. September, 1884.

Stachys palustris. Low ground, Ames. September, 1884.

LEGUMINOSAE.

Baptisia leucophaea. False Indigo. Prairies, Ames. May, 1884.

Desmodium acuminatum. Tick-Trefoil. Woods, Ames. August, 1884.

Lathyrus palustris. Vetchling. Moist places, Ames. June, 1884.

Petalostemon violaceus. Prairie clover. Prairie, Ames. June, 1883.

Phaseolus ———. Woods, Ames. August, 1884.

Trifolium repens. White clover. Meadows, Ames. June 1, 1884. (From Herbarium of Lincoln Bolan.)

LILIACEAE.

Erythronium albidum. Spring Lily. Woods, Ames. April 6, 1884.

Lilium Canadense. Wild Lily. Prairies, Ames. July, 1884.

Smilacina racemosa. False Spikenard. Brush, Ames. June 1, 1884.

Smilacina stella. False Solomon's Seal. Woods, Ames. May 6, 1884.

Uvularia grandiflora. Bellwort. Woods, Ames. April 6, 1884.

LINACEAE.

Linum sulcatum. Flax. Prairie, Ames. August, 1884.

LOBELIACEAE.

Lobelia cardinalis. Cardinal Flower. Low grounds, Ames. August, 1884.

ONAGRACEAE.

Oenothera biennis. Evening Primrose. Fields, Ames. July, 1884.

ORCHIDACEAE.

Cypripedium candidum. Lady's Slipper. Bogs, Ames. May 26, 1884.

Cypripedium pubescens. Lady's Slipper. Brush, Ames, June, 1884.

Orchis spectabilis. Orchis. Woods, Ames. June, 1883.

PAPAVERACEAE.

Sanguinaria Canadensis. Blood root. Woods, Ames. April 6, 1883.

POLEMONIACEAE.

Phlox divaricata. Phlox. Woods, Ames. May 18, 1884.

Phlox pilosa. Phlox. Prairies, Ames. June 1, 1884.

Polemonium reptans. Valerian. Woods, Ames. June 1, 1884. (From Herbarium of Lincoln Bolan.)

POLYGALACEAE.

Polygala Senega. Seneca Snakeroot. Woods, Ames. June 6, 1884.

POLYGONACEAE.

Polygonum amphibium. Water, Ames. June, 1884.

Polygonum incarnatum. Wet ground, Ames. June, 1884.

Polygonum orientale. Prince's Feather. Waste ground, Ames. June 4, 1882.

Polygonum Pennsylvanica. Smart weed. Damp ground, Ames. August, 1884.

Rumex acetocella. Sorrel. Fields, Ames. May, 1885.

PORTULACAEAE.

Claytonia Virginica. Spring Beauty. Woods, Ames. April, 1884.

PRIMULACEAE.

Dodecantheon Meadia. Shooting Star. At Tom Shearer's, Ames. May, 1885.

Lysimachia ciliata. Thickets, Ames. August, 1884.

Lysimachia thyrsiflora. Tufted Loosestrife. Swamp, Ames. June, 1885.

(From Frank Boyd.)

RANUNCULACEAE.

- Actaea spicata*. Baneberry. Woods, Ames. June, 1884.
Anemona decapetala. Carolina Anemona. Sandy hills, Ames. May 17, 1884.
Anemone nemorosa. Wind-flower. Brush, Ames. April 20, 1884.
Anemone patens. Pasque-flower. Prairies, Ames. April 13, 1884. (From L. Bolan.)
Anemone Pennsylvanica. Pennsylvania Anemone. Prairies, Ames. June 1, 1884.
Aquilegia Canadensis. Columbine. Timbers, Ames. May 6, 1884.
Caltha palustris. Marsh Marigold. Swamps, Ames. April 6, 1884.
Clematis Virginiana. Virgin's Bower. Ames. August, 1884.
Hepatica acutiloba. Hepatica. Woods, Ames. April, 1885.
Isopyrum biternatum. Ames. May 8, 1884.
Ranunculus abortivus. Crowfoot. Meadows, Ames. May, 1885.
Ranunculus acris. Buttercup. Fields, Ames. June, 1884.
Ranunculus multifidus. Water-Crowfoot. Ponds, Ames. June 4, 1884.
Ranunculus repens. Buttercup. Swamps, Ames. April 16, 1884.
Thalictrum anemonoides. Rue-Anemone. Woods, Ames. April 29, 1884.

RHAMNACEAE.

- Ceanothus ovalis*. N. J. T. Prairie, Ames. June, 1883.

ROSACEAE.

- Agrimonia Eupatoria*. Agrimony. Brush, Ames. August, 1884.
Amelanchier alpina. June Berry. From Russia, I. A. C., Ames. April, 1885.
Amelanchier Canadensis. June Berry. Along streams, Ames. May 10, 1884.
Amelanchier Canadensis, var. *Botryapium*. I. A. C. grounds, Ames. April, 1885.
Crataegus tomentosa. Thorn. Thickets, Ames. May 6, 1884.
Crataegus tomentosa, var. *punctata*. N. E. Pres. Office, I. A. C., Ames. June, 1885.
Fragaria Virginiana. Strawberry. Prairies, Ames. May 11, 1884.
Potentilla Canadensis. Five-Finger. Meadows, Ames. June 3, 1884.
Potentilla Norvegica. Cinque-foil. Pastures, Ames. August, 1884.
Prunus Americana. Wild Plum. Brush, Ames. May 5, 1884.
Prunus Pennsylvanica. Wild Cherry. Timber, Ames. May 14, 1884.
Prunus Virginiana. Choke Cherry. Woods, Ames. April 30, 1884.

SAPINDACEAE.

- Acer dasycarpum*. Red Maple. I. A. C., Ames. March, 1885.
Staphylea trifolia. Bladder-nut. Thickets, Ames. May 1, 1884.

SAXIFRAGACEAE.

- Ribes Cynosbati*. Gooseberry. Woods, Ames. May, 1885.
Ribes floridum. Wild Currant. "Wilderness," Ames. May, 1883.
Ribes rubrum. Currant. Gardens, Ames. May, 1884.

SANTALACEAE.

- Comandra umbellata*. Bastard Toad-flax. Prairie, Ames. June, 1884.

SCROPHULARIACEAE.

- Castilleja sessiliflora*. Painted Cup. Prairies, Ames. April, 1885.
Gerardia purpurea. Gerardia. Low ground, Ames. September, 1884.
Pedicularis Canadensis. Lousewort. Woods, Ames. May 16, 1884.
Pedicularis lanceolata. Lousewort. Damp ground, Ames. August, 1884.
Verbascum Thapsus. Mullein. Fields, Ames. June, 1884.
Veronica peregrina. Neckweed. Roadside, Ames. April, 1885.
Veronica Virginica. Culvers Root. Woods, Ames. August, 1887.

SMILACEAE.

- Smilax herbacea*. Carrion Flower. Woods, Ames. May, 1885.

TYPHACEAE.

- Typha latifolia*. Cat-tail. Wet ground, Ames. June, 1884.

UMBELLIFERAE.

- Osmorrhiza longistylis*. Sweet Cicely. Woods, Ames. May 24, 1884.

URTICACEAE.

- Ulmus fulva*. Red Elm. Woods, Ames, April, 1885.

VIOLACEAE.

- Viola cucullata*. Blue Violet. Everywhere, Ames. May 16, 1884.
Viola cucullata, var. palmata. Hand-leaf Violet. Hillsides, Ames. May 9,
 1884.
Viola delphinifolia. Larkspur. Prairies, Ames. May 24, 1884.
Viola pedata. Bird-foot Violet. Dry soil, Ames. June 1, 1884.
Viola pubescens. Yellow Violet. Woods, Ames. April 7, 1884.