

CHECK LIST OF VASCULAR PLANTS OF BOONE COUNTY, ILLINOIS*

EGBERT W. FELL AND GEORGE D. FULLER

Illinois State Museum, Springfield,

AND GEORGE B. FELL

Nature Conservancy

Boone County lies along the northern border of Illinois about 45 miles west of Lake Michigan. It is 12 miles from east to west and $23\frac{1}{2}$ miles from north to south, and consists of 8 townships.

The county is primarily rural, the only large town being Belvidere, which has a population of 9,000. Settlement began about 1835 and increased rapidly until it reached 13,000, in 1870; it now totals about 17,000. Agriculture is the principal land use; the county is on the border between the corn belt and the northern dairy region. Chicago, about 70 miles away, furnishes an important market for whole milk. Cannery crops such as peas, sweet corn, and tomatoes occupy a considerable acreage in the vicinity of Belvidere.

The topography is moderate, the low point being 733 feet above sea level and the high point 1,051 feet. The main streams are the Kishwaukee River and its tributary, Piscasaw Creek, which flows into it from the northeast. Beaver Creek runs roughly parallel to Piscasaw Creek and joins the Kishwaukee farther downstream. The northern portion of the county is drained by short streams running to the west into the Rock River.

The county has been glaciated; the Illinoian glaciation was the last to cover the northwestern part. The Belvidere lobe of the early Wisconsin ice sheet extended from the east to cover the southeast half, principally below the Kishwaukee River and Piscasaw Creek, but with a strip about two miles wide running up to the northeast corner of the county. Extensive gravel terraces occur in the valleys along Piscasaw and Beaver creeks. This gravel was washed downstream with water from the melting glacier and deposited in the stream valleys.

The soils of the county are derived principally from the glacial till and the gravel of the stream terraces. Most of the region is well drained, but some flat areas occur in the headwaters of streams, particularly Beaver Creek. Several of these are swampy and have extensive muck deposits. A few small outcrops of Galena dolomite occur along the western border of the county, particularly in the northern part, and there are two small sand areas in the same locality.

The geology of the region is covered fairly well by Bretz (1923), though his study actually considered an area just outside the county to the southwest. The bulletins of Rolfe (1929) and of Salisbury and Barrows (1918) are also pertinent.

* There have been some additions to the list subsequent to the Academy meetings as a result of collections made during the summer of 1954.

The native vegetation of the region prior to settlement was predominantly oak-hickory forests in the northern part and prairie in the southern part. Wet prairie and oak openings apparently bordered some of the smaller streams in the forested area. The terrace soils and most of the Wisconsin drift supported prairie vegetation. By studying the county soil survey (Wascher, Smith, and Smith, 1935) one can determine fairly accurately the general character of the original vegetation for a given area.

Of the 70,000 acres said to have been originally forested (Wascher, Smith, and Smith, 1935) only about 2 percent is now devoted primarily to forestry purposes. An additional 11 percent remains with some forest cover but is used primarily as pasture. A much smaller portion of the original prairie remains unaltered.

Some plants were collected in Boone County 40 years ago by H. C. Benke and some recently by R. A. Evers of the State Natural History Survey, but we know of no extensive collections except our own. We know of no prior attempt to list the plants of the county, though much work has been done on the vegetation of Winnebago County, just to the west, the most recent studies being by the present authors (Fell, in press; Fuller, Fell, and Fell, 1949).

The check list is based primarily upon collections made over the past 10 years. The plants have been sent to the State Museum Herbarium. There is also an undetermined number of plants in other herbaria in Illinois and elsewhere. Since it is our purpose to give a fair view of the vegetation of Boone County, we have

not confined our list to specimens that are in herbaria but have included many common species (weeds, etc.) that have been observed by the authors.

The taxonomic arrangement and nomenclature follow Jones (1950) with very few exceptions. Species that are not native are indicated by an asterisk.

EQUISETACEAE

- Equisetum arvense* L.
- E. hyemale* L.
- E. laevigatum* A. Br.

OPHIOGLOSSACEAE

- Botrychium dissectum* Spreng.
- B. obliquum* Muhl.
- B. multifidum* (S.G. Gmel.) Rupr.
- B. virginianum* (L.) Sw.

OSMUNDACEAE

- Osmunda claytoniana* L.

POLYPODIACEAE

- Adiantum pedatum* L.
- Asplenium platyneuron* (L.) Oakes.
- Athyrium angustum* (Willd.) Presl.
- Cryptogramma stelleri* (S.G. Gmel.) Prantl.
- Cystopteris bulbifera* (L.) Bernh.
- C. fragilis* (L.) Bernh.
- Dryopteris cristata* (L.) A. Gray.
- D. intermedia* (Muhl.) A. Gray.
- D. spinulosa* (O.F. Muell.) Watt.
- D. thelypteris* (L.) A. Gray.
- Onoclea sensibilis* L.
- Pellaea glabella* Mett.
- Pteridium latiusculum* (Desv.) Hieron

CUPRESSACEAE

- Juniperus virginiana* L.

TYPHACEAE

- Typha angustifolia* L.
- T. latifolia* L.

SPARGANIACEAE

- Sparganium eurycarpum* Engelm.

POTAMOGETONACEAE

- Potamogeton foliosus* Raf.
- P. pectinatus* L.
- P. zosteriformis* Fern.

ALISMACEAE

- Alisma subcordatum* Raf.
- A. triviale* Pursh.
- Sagittaria brevirostra* Mack. & Bush.
- S. latifolia* Willd.

HYDROCHARITACEAE

- Anacharis canadensis* (Michx.) Planch.
A. occidentalis (Pursh.) Vict.

GRAMINEAE

- Agropyron pauciflorum* (Schw.) Hitchc.
A. repens (L.) Beauv.
A. smithii Rydb.
Agrostis alba L.
A. hyemalis (Walt.) BSP.
A. palustris Huds.
Andropogon furcatus Muhl.
A. scoparius Michx.
Aristida oligantha Michx.
Avena sativa L. (*)
Bouteloua curtipendula (Michx.) Torr.
Bromus ciliatus L.
B. commutatus Schrad. (*)
B. inermis Leyss. (*)
B. japonicus Thunb. (*)
B. latiglumis (Shear.) Hitchc.
B. purgans L.
B. secalinus L. (*)
B. sterilis L. (*)
B. tectorum L. (*)
Calamagrostis canadensis (Michx.) Beauv.
Cenchrus pauciflorus Benth.
Cinna arundinacea L.
Dactylis glomerata L. (*)
Danthonia spicata (L.) Beauv.
Digitaria ischaemum (Schreb.) Muhl. (*)
D. sanguinalis (L.) Scop. (*)
Echinochloa crusgalli (L.) Beauv. (*)
Eleusine indica (L.) Gaertn. (*)
Elymus canadensis L.
E. villosus Muhl.
E. virginicus L.
Eragrostis capillaris (L.) Nees.
E. cilianensis (All.) Link. (*)
E. frankii C.A. Mey.
E. hypnoides (Lam.) BSP.
E. pectinacea (Michx.) Nees.
E. spectabilis (Pursh.) Steud.
Festuca elatior L. (*)
F. obtusa Spreng.
F. octoflora Walt.
F. ovina L.
Glyceria septentrionalis Hitchc.
G. striata (Lam.) Hitchc.
Hierochloa odorata (L.) Beauv.
Hordeum jubatum L.
Hystrix patula Moench.
Koeleria cristata (L.) Pers.
Leersia oryzoides (L.) Sw.
L. virginica Willd.
Leptoloma cognatum (Schult.) Chase.
Lolium perenne L. (*)
Muhlenbergia frondosa (Poir.) Fern.
M. mexicana (L.) Trin.
M. racemosa (Michx.) BSP.
M. schreberi J.F. Gmel.
M. sobolifera (Muhl.) Trin.

- M. sylvatica* Torr.
Panicum capillare L.
P. dichotomiflorum Michx.
P. euchlamydeum Shinnners.
P. huachucae Ashe.
P. implicatum Scribn.
P. latifolium L.
P. leigergii (Vasey) Scribn.
P. linearifolium Scribn.
P. oligosanthos Schult.
P. perlongum Nash.
P. praecocius Hitchc. & Chase.
P. scribnerianum Nash.
P. tennesseense Ashe.
P. virgatum L.
Phalaris arundinacea L.
Phleum pratense L.
Phragmites communis Trin.
Poa annua L. (*)
P. compressa L. (*)
P. palustris L.
P. pratensis L.
Secale cereale L. (*)
Setaria lutescens (Weigel) F.T. Hubb. (*)
S. verticillata (L.) Beauv. (*)
S. viridis (L.) Beauv. (*)
Sorghastrum nutans (L.) Nash.
Sorghum vulgare Pers. (*)
Spartina pectinata Link.
Sphenopholis nitida (Spreng.) Scribn.
Sporobolus asper (Michx.) Kunth.
S. cryptandrus (Torr.) A. Gray.
S. heterolepis A. Gray.
S. neglectus Nash.
S. vaginiflorus (Torr.) Wood.
Stipa spartea Trin.
Triticum aestivum L. (*)
Zizania aquatica L.

CYPERACEAE

- Carex bebbii* Olney.
C. bicknellii Britt.
C. blanda Dewey.
C. brachyglossa Mack.
C. brevior (Dewey) Mack.
C. buxbaumii Wahl.
C. cephalophora Muhl.
C. communis Bailey.
C. comosa Boott.
C. convoluta Mack.
C. cristatella Britt.
C. davisii Schw. & Torr.
C. festucea Schk.
C. gracilescens Steud.
C. gracillima Schw.
C. granularis Muhl.
C. grvida Bailey.
C. grisea Wahl.
C. haleana Olney.
C. haydenii Dewey.
C. hirtifolia Mack.
C. hystricina Muhl.
C. interior Bailey.

C. jamesii Schw.
C. laeviconica Dewey.
C. lanuginosa Michx.
C. lasiocarpa Ehrh.
C. lunelliana Mack.
C. mühlenbergii Schk.
C. normalis Mack.
C. oligocarpa Schk.
C. pennsylvanica Lam.
C. rosea Schk.
C. scoparia Schk.
C. siccata Dewey.
C. sparganioides Muhl.
C. sprengelii Dewey.
C. sterilis Willd.
C. stipata Muhl.
C. stricta Lam.
C. substricta (Kükenth.) Mack.
C. tenera Dewey.
C. tetanica Schk.
C. tribuloides Wahl.
C. trichocarpa Muhl.
C. umbellata Schk.
C. vulpinoidea Michx.
Cyperus aristatus Rottb.
C. erythrorhizos Muhl.
C. esculentus L.
C. ferruginescens Boeck.
C. filiculmis Vahl.
C. rivularis Kunth.
C. schweinitzii Torr.
C. strigosus L.
Eleocharis acicularis (L.) R. & S.
E. calve Torr.
E. compressa Sulliv.
E. obtusa (Willd.) Schult.
E. palustris (L.) R. & S.
E. tenuis (Willd.) Schult.
Eriophorum angustifolium Honck.
Hemicarpha micrantha (Vahl.) Pax.
Scirpus americanus Pers.
S. atrovirens Willd.
S. cyperinus (L.) Kunth.
S. lineatus Michx.
S. validus Vahl.

ARACEAE

Acorus calamus L.
Arisaema dracontium (L.) Schott.
A. triphyllum (L.) Schott.
Symplocarpus foetidus (L.) Nutt.

LEMNACEAE

Lemna minor L.
L. trisulca L.
Spirodela polyrrhiza (L.) Schleid.

COMMELINACEAE

Commelina communis L.
Tradescantia ohiensis Raf.

PONTEDERIACEAE

Heteranthera dubia (Jacq.) MacM.

JUNCACEAE

Juncus dudleyi Wieg.
J. effusus L.
J. interior Wieg.
J. marginatus Rostk.
J. nodosus L.
J. tenuis Willd.
J. torreyi Coville.
Luzula multiflora (Ehrh.) Lej.

LILIACEAE

Allium canadense L.
A. tricoccum Ait.
Asparagus officinalis L. (*)
Camassia scilloides (Raf.) Cory.
Erythronium albidum Nutt.
Hemerocallis fulva L. (*)
Lilium michiganense Farw.
L. umbellatum Pursh.
Maianthemum canadense Desf.
Ornithogalum umbellatum L. (*)
Polygonatum commutatum (Schult.) Dietr.
Smilacena racemosa (L.) Desf.
S. stellata (L.) Desf.
Smilax eckrhata (Engelm.) Wats.
S. hispida Muhl.
S. lasioneuron Hook.
Trillium gleasoni Fern.
T. recurvatum Beck.
Uvularia grandiflora Sm.
Yucca filamentosa L. (*)

DIOSCOREACEAE

Dioscorea villosa L.

AMARYLLIDACEAE

Hypoxis hirsuta (L.) Coville.

IRIDACEAE

Belamcanda chinensis (L.) DC. (*)
Iris shrevei Small.
Sisyrinchium albidum Raf.
S. angustifolium Mill.

ORCHIDACEAE

Orchis spectabilis L.
Spiranthes cernua (L.) Rich.

SALICACEAE

Populus alba L. (*)
P. deltoides Marsh.
P. grandidentata Michx.
P. italica Moench. (*)
P. tremuloides Michx.
Salix alba L. (*)
S. amygdaloides Anders.
S. bebbiana Sarg.
S. candida Fluegge.
S. cordata Muhl.
S. discolor Muhl.
S. fragilis L. (*)
S. glaucophylloides Fern.
S. humilis Marsh.

S. interior Rowlee.
S. nigra Marsh.
S. petiolaris Sm.

JUGLANDACEAE

Carya cordiformis (Wang.) K. Koch.
C. ovata (Mill.) K. Koch.
Juglans cinerea L.
J. nigra L.

BETULACEAE

Betula pumila L.
Alnus rugosa (DuRoi) Spreng.
Carpinus caroliniana Walt.
Corylus americana Walt.
Ostrya virginiana (Mill.) K. Koch.

FAGACEAE

Quercus alba L.
Q. ellipsoidalis E.J. Hill.
Q. macrocarpa Michx.
Q. muhlenbergii Engelm.
Q. rubra L.
Q. velutina Lam.

ULMACEAE

Celtis occidentalis L.
Ulmus americana L.
U. rubra Muhl.

MORACEAE

Maclura pomifera (Raf.) Schneid. (*)
Morus rubra L.
M. tatarica L. (*)

CANNABINACEAE

Cannabis sativa L. (*)
Humulus americanus Nutt.

URTICACEAE

Boehmeria cylindrica (L.) Sw.
Laporta canadensis (L.) Gaud.
Parietaria pennsylvanica Muhl.
Pilea pumila (L.) A. Gray.
Urtica procera Muhl.

SANTALACEAE

Comandra umbellata (L.) Nutt.

ARISTOLOCHIACEAE

Asarum acuminatum (Ashe) Bickn.
A. reflexum Bickn.

POLYGONACEAE

Fagopyrum esculentum Moench. (*)
Polygonum amphibium L.
P. aviculare L.
P. coccineum Muhl.
P. convolvulus L. (*)
P. erectum L.
P. fluitans A. Eaton.
P. hydropiper L.
P. hydropiperoides Michx.
P. lapathifolium L.
P. pennsylvanicum L.
P. persicaria L.

P. punctatum Ell.
P. scandans L.
P. tenue Michx.
P. virginianum L.
Rumex acetosella L. (*)
R. altissimus Wood.
R. crispus L. (*)
R. obtusifolius L. (*)
R. orbiculatus A. Gray.
R. patientia L. (*)
R. triangulivalvis (Danser) Rech.f.
R. verticillatus L.

CHENOPODIACEAE

Atriplex hastata L.
A. patula L.
Chenopodium album L. (*)
C. ambrosoides L.
C. berlandieri Moq.
C. glaucum L. (*)
C. hybridum L. (*)
C. standieyanum Aellen.
C. urbicum L. (*)
Salsola pestifer A. Nels. (*)

AMARANTHACEAE

Acnida altissima Riddell.
A. subnuda (Wats.) Standl.
Amaranthus albus L.
A. graecizans L.
A. hybridus L.
A. retroflexus L.
A. spinosus L.

PHYTOLACCACEAE

Phytolacca americana L.

NYCTAGINACEAE

Mirabilis nyctaginea (Michx.) MacM.

ILLECEBRACEAE

Paronychia canadensis (L.) Wood.

AIZOACEAE

Mollugo verticillata L.

PORTULACACEAE

Claytonia virginica L.
Portulaca oleracea L. (*)

CARYOPHYLLACEAE

Arenaria lateriflora L.
A. serpyllifolia L.
A. stricta Michx.
Cerastium nutans Raf.
C. vulgatum L. (*)
Lychnis alba Mill. (*)
L. coronaria (L.) Desr.
Saponaria officinalis L. (*)
Silene antirrhina L.
S. cucubalus Wibel (*)
S. nivea (Nutt.) Otth.
S. noctiflora L. (*)
S. stellata (L.) Ait.f.
Stellaria aquatica (L.) Scop.

S. longifolia Muhl.
S. media (L.) Vill. (*)

RANUNCULACEAE

Actaea alba (L.) Mill.
A. rubra (Ait.) Willd.
Anemone canadensis L.
A. cylindrica A. Gray.
A. ludoviciana Nutt.
A. quinquefolia L.
A. virginiana L.
Anemonella thalictroides (L.) Spach.
Aquilegia canadensis L.
Caltha palustris L.
Clematis virginiana L.
Hepatica acutiloba DC.
Isoetes bitermum (Raf.) T. & G.
Ranunculus abortivus L.
R. acris L. (*)
R. fascicularis Muhl.
R. flabellaris Raf.
R. hispidus Michx.
R. pennsylvanicus L.f.
R. recurvatus Poir.
R. repens L. (*)
R. rhomboideus Goldie.
R. sceleratus L.
R. septentrionalis Poir.
R. trichophyllus Chaix.
Thalictrum dasycarpum Fisch.
T. dioicum L.
T. hypoglaucum Rydb.
T. revolutum DC.

NYPHAEACEAE

Nuphar advena Ait.
Nymphaea tuberosa Paine.

CERATOPHYLLACEAE

Ceratophyllum demersum L.

BERBERIDACEAE

Berberis thunbergii DC. (*)
B. vulgaris L. (*)
Caulophyllum thalictroides (L.) Michx.
Podophyllum peltatum L.

MENISPERMACEAE

Menispermum canadense L.

PAPAVERACEAE

Sanguinaria canadensis L.

FUMARIACEAE

Dicentra cucullaria (L.) Bernh.

CRUCIFERAE

Alyssum alyssoides L.
Arabis canadensis L.
A. dentata T. & G.
A. glabra (L.) Bernh. (*)
A. laevigata (Muhl.) Poir.
A. lyrata L.
A. pycnocarpa Hopkins.

Armoracia rusticana Gaertn. (*)
Barbarea vulgaris R. Br.
Berteroa incana (L.) DC. (*)
Brassica alba (L.) Rabenh. (*)
B. arvensis (L.) Rabenh. (*)
B. juncea (L.) Coss. (*)
B. nigra (L.) Koch. (*)
Capsella bursa-pastoris (L.) Medic. (*)
Cardamine bulbosa (Schreb.) BSP.
C. pennsylvanica Muhl.
Conringia orientalis (L.) Dum. (*)
Dentaria laciniata Muhl.
Descurainia brachycarpa (Richards)
O.E. Schulz.
D. sophia (L.) Webb.
Draba reptans (Lam.) Fern.
Erysimum cheiranthoides L.
Hesperis matronalis L. (*)
Lepidium campestre (L.) R.Br. (*)
L. densiflorum Schrad. (*)
L. virginicum L.
Nasturtium officinale R.Br. (*)
Rorippa hispida (Desv.) Brit.
R. palustris (L.) Besser.
R. sessiliflora (Nutt.) Greene.
R. sylvestris (L.) Besser.
Sisymbrium altissimum L. (*)
S. loeselli L. (*)
S. officinale (L.) Scop. (*)
Thlaspi arvense L. (*)

CAPPARIDACEAE

Polanisia graveolens Raf.

CRASSULACEAE

Penthorum sedoides L.
Sedum triphyllum (Haw.) S.F. Gray (*)

PARNASSIACEAE

Parnassia glauca Raf.

SAXIFRAGACEAE

Heuchera richardsonii R.Br.
Mitella diphylla L.
Saxifraga pennsylvanica L.

GROSSULARIACEAE

Ribes americanum Mill.
R. cynosbati L.
R. missouriense Nutt.
R. odoratum Wendl.

PLATANACEAE

Platanus occidentalis L.

ROSACEAE

Agrimonia gryposepala Wallr.
A. parviflora Ait.
A. pubescens Wallr.
Amelanchier arborea (Michx. f.) Fern.
A. laevis Wieg.
A. spicata (Lam.) K. Koch.
Crataegus calpodrenron (Ehrh.) Medic.
C. mollis (T. & G.) Scheele.

C. pedicellata Sarg.
C. pruinosa (Wendl.) K. Koch.
C. punctata Jacq.
C. succulenta Schrad.
Fragaria americana (Porter) Britt.
F. virginiana Duch.
Geum canadense Jacq.
G. laciniatum Murr.
G. strictum Ait.
G. triflorum Pursh.
G. vernum (Raf.) T. & G.
Malus ioensis (Wood) Britt.
M. pumila Mill. (*)
Potentilla argentea L. (*)
P. arguta Pursh.
P. monspeliensis L.
P. recta L. (*)
P. simplex Michx.
Physocarpus opulifolius (L.) Maxim.
Prunus americana Marsh.
P. lanata (Sudw.) Mack. & Bush.
P. nigra Ait.
P. pennsylvanica L. F.
P. serotina Ehrh.
P. virginiana L.
Rosa blanda Ait.
R. carolina L.
R. eglanteria L. (*)
R. multiflora Thunb. (*)
R. palustris Marsh.
R. suffulta Greene.
Rubus allegheniensis Porter.
R. flagellaris Willd.
R. frondosus Bigel.
R. occidentalis L.
R. strigosus Michx.
Spiraea alba DuRoi.

LEGUMINOSAE

Amorpha canescens Pursh.
A. fruticosa L.
Amphicarpa bracteata (L.) Fern.
A. comosa (L.) G. Don.
Apios americana Medic.
Astragalus canadensis L.
Baptisia leucantha T. & G.
B. leucophaea Nutt.
Desmodium canadense (L.) DC.
D. glutinosum (Muhl.) Wood.
D. illinoense A. Gray.
Gleditsia triacanthos L.
Glycine max (L.) Merr.
Gymnocladus dioica (L.) K. Koch.
Lathyrus latifolius L. (*)
L. palustris L.
L. venosus Muhl.
Lespedeza capitata Michx.
L. hirta (L.) Hornem.
Lotus corniculatus L.
Medicago lupulina L. (*)
M. sativa L. (*)
Melilotus alba Desr. (*)
M. officinalis (L.) Lam. (*)

Petalostemum candidum (Willd.) Michx.
P. purpureum (Vent.) Rydb.
Robinia pseudoacacia L.
Trifolium arvense L. (*)
T. dubium Sibth. (*)
T. hybridum L. (*)
T. pratense L. (*)
T. procumbens L. (*)
T. repens L.
Vicia americana Muhl.
V. angustifolia (L.) Reich.
V. sativa L. (*)
V. villosus Roth.

GERANIACEAE

Geranium maculatum L.

OXALIDACEAE

Oxalis cymosa Small.
O. stricta L.
O. violacea L.

LINACEAE

Linum sulcatum Riddell.

BALSAMINACEAE

Impatiens biflora Walt.
I. pallida Nutt.

RUTACEAE

Ptelea trifoliata L.
Zanthoxylum americanum Mill.

SIMARUBACEAE

Ailanthus altissima (Mill.) Swingle. (*)

POLYGALACEAE

Polygala polygama Walt.
P. sanguinea L.
P. senega L.
P. verticillata L.

EUPHORBIACEAE

Acalypha rhomboidea Raf.
A. virginica L.
Chamaesyce glyptosperma (Engelm.) Small.
C. humistrata (Engelm.) Small.
C. maculata (L.) Small.
C. supina (Raf.) Moldenke.
Euphorbia commutata Engelm.
E. corollata L.
E. cyparissias L. (*)
Poinsettia dentata (Michx.) Small.

CALLITRICHACEAE

Callitriche autumnalis L.

CELASTRACEAE

Euonymus atropurpureus Jacq.
Celastrus scandens L.

AQUIFOLIACEAE

Rhus glabra L.
R. radicans L.

STAPHYLEACEAE

Staphylea trifolia L.

ACERACEAE

Acer negundo L.
A. saccharum Marsh.
A. saccharinum L.

RHAMNACEAE

Ceanothus americanus L.
Rhamnus cathartica L. (*)
R. lanceolata Pursh.

VITACEAE

Parthenocissus quinquefolia (L.) Planch.
P. vitacea (Knerr) A.S. Hitchc.
Vitis aestivalis Michx.
V. riparia Michx.
V. vulpina L.

TILIACEAE

Tilia americana L.

MALVACEAE

Abutilon theophrasti Medic. (*)
Althaea rosea (L.) Cav. (*)
Hibiscus trionum L. (*)
Malva neglecta Wallr. (*)
M. rotundifolia L. (*)

HYPERICACEAE

Hypericum majus (Gray) Britt.
H. mutilum L.
H. perforatum L.
H. punctatum Lam.
H. sphaerocarpum Michx.
Triadenum fraseri (Spach.) Gleason.

CISTACEAE

Helianthemum bicknellii Fern.
H. canadense (L.) Michx.
Lechea stricta Leggett.
L. tenuifolia Michx.
L. villosa Ell.

VIOLACEAE

Viola cucullata Ait.
V. eriocarpa Schw.
V. fimbriatula Sm.
V. nephrophylla Greene.
V. papilionacea Pursh.
V. pedata L.
V. pedatifida Don.
V. pubescens Ait.
V. sagittata Ait.
V. sororia Willd.

CUCURBITACEAE

Echinocystis lobata (Michx.) T. & G.

THYMELEACEAE

Dirca palustris L.

LYTHRACEAE

Lythrum alatum Pursh.

ONAGRACEAE

Circaea latifolia Hill.
Epilobium adenocaulon Haussk.
E. coloratum Muhl.
Gaura biennis L.
Ludwigia palustris (L.) Ell.
L. polycarpa Short & Peter.
Oenothera biennis L.
O. cruciata Nutt.
O. nuttallii Sw.
O. rhombipetala Nutt.

HALORAGIDACEAE

Myriophyllum spicatum L.

CORNACEAE

Cornus alternifolia L.f.
C. obliqua Raf.
C. racemosa Lam.
C. rugosa Lam.

ARALIACEAE

Aralia nudicaulis L.
Panax quinquefolius L.

UMBELLIFERAE

Angelica atropurpurea L.
Carum carvi L. (*)
Chaerophyllum procumbens (L.) Crantz.
Cicuta bulbifera L.
C. maculata L.
Cryptotaenia canadensis (L.) DC.
Daucus carota L. (*)
Eryngium yuccifolium Michx.
Osmorhiza claytoni (Michx.) Clarke.
O. longistylis (Torr.) DC.
Oxypolis rigidior (L.) Raf.
Pastinaca sativa L. (*)
Sanicula canadensis L.
S. gregaria Bickn.
S. marilandica L.
Sium suave Walt.
Taenidia integerrima (L.) Drude.
Thaspium trifoliatum (L.) Britt.
Zizia aptera (A. Gray) Fern.
Z. aurea (L.) Koch.

ERICACEAE

Monotropa uniflora L.
Pyrola elliptica Nutt.

PRIMULACEAE

Androsace occidentalis Pursh.
Dodecatheon meadia L.
Lysimachia ciliata L.
L. lanceolata Walt.
L. nummularia L. (*)
L. quadriflora Sims.
L. terrestris (L.) BSP.
L. thyrsoflora L.

OLEACEAE

- Fraxinus americana* L.
F. lanceolata Borkh.
F. pennsylvanica Marsh.

GENTIANACEAE

- Gentiana andrewsii* Griseb.
G. crinita Froel.
G. procera Holm.
G. puberula Michx.
G. saponaria L.

APOCYNACEAE

- Apocynum androsaemifolium* L.
A. cannabinum L.
A. sibiricum Jacq.
Vinca minor L. (*)

ASCLEPIDACEAE

- Acerates lanuginosa* Nutt.
A. viridiflora (Raf.) Eaton.
Asclepias amplexicaulis Sm.
A. incarnata L.
A. phytolaccoides Pursh.
A. purpurascens L.
A. sullivantii Englem.
A. syriaca L.
A. tuberosa L.
A. verticillata L.

CONVOLVULACEAE

- Convolvulus americanus* (Sims) Greene.
C. arvensis L. (*)
Cuscuta cephalanthi Engelm.
C. glomerata Choisy.
C. gronovii Willd.

POLEMONIACEAE

- Collomia linearis* Nutt.
Phlox divaricata L.
P. glaberrima L.
P. paniculata L.
P. pilosa L.
Polemonium reptans L.

HYDROPHYLLACEAE

- Ellisia nyctelea* L.
Hydrophyllum appendiculatum Michx.
H. virginianum L.

BORAGINACEAE

- Cynoglossum officinale* L. (*)
Echium vulgare L. (*)
Hackelia virginiana (L.) I.M. Johnst.
Lappula echinata Gilib.
Lithospermum angustifolium Michx.
L. arvense L. (*)
L. canescens (Michx.) Lehm.
L. croceum Fern.
Mertensia virginica (L.) Pers.
Onosmodium hispidissimum Mack.

VERBENACEAE

- Phyla lanceolata* (Michx.) Greene.
Verbena bracteata Lag. & Rodr.
V. hastata L.
V. simplex Lehm.
V. stricta Vent.
V. urticifolia L.
V. X moechina Moldenke.
V. X rydbergii Moldenke.

LABIATAE

- Agastache nepetoides* (L.) Ktze.
A. scrophulariaefolia (Willd.) Ktze.
Blephilia ciliata (L.) Benth.
B. hirsuta (Pursh.) Benth.
Galeopsis tetrahit L. (*)
Glechoma hederacea L. (*)
G. heterophylla Waldst. & Kit.
Hedeoma hispida Pursh.
H. pulegioides (L.) Pers.
Isanthus brachiatus (L.) BSP.
Leonurus cardiaca L. (*)
Lycopus americanus Muhl.
L. uniflorus Michx.
L. virginicus L.
Mentha canadensis L.
M. piperita L. (*)
M. spicata L. (*)
Monarda fistulosa L.
Nepeta cataria L. (*)
Physostegia speciosa Sweet.
P. virginiana (L.) Benth.
Prunella vulgaris L.
Pycnanthemum flexuosum (Walt.) BSP.
P. pilosum Nutt.
P. virginianum (L.) Dur. & Jacks.
Scutellaria epilobiifolia A. Hamilt.
S. lateriflora L.
S. leonardi Epling.
S. ovata Hill.
S. parvula Michx.
Stachys arenicola Britt.
S. aspera Michx.
S. hispida Pursh.
S. tenuifolia Willd.
Teucrium canadense L.
T. occidentale A. Gray.

SOLANACEAE

- Datura stramonium* L. (*)
Lycium halimifolium Mill. (*)
Physalis heterophylla Nees.
P. subglabrata Mack. & Bush.
P. virginiana Mill.
Solanum carolinense L.
S. dulcamara L. (*)
S. nigrum L.
S. rostratum Dunal.

SCROPHULARIACEAE

- Chelone glabra* L.
Gerardia tenuifolia Vahl.
Linaria minor (L.) Desf. (*)

L. vulgaris Hill. (*)
Lindernia dubia (L.) Pennell.
Mimulus ringens L.
Pedicularis canadensis L.
P. lanceolata Michx.
Penstemon calycosus Small.
P. digitalis Nutt.
P. pallidus Small.
Scrophularia lanceolata Pursh.
S. marilandica L.
Synthyris bullii (Eaton) Heller.
Verbascum blattaria L. (*)
V. thapsus L. (*)
Veronica arvensis L. (*)
V. connata Raf.
V. peregrina L.
Veronicastrum virginicum (L.) Farw.

LENTIBULARIACEAE

Utricularia vulgaris L.

BIGNONIACEAE

Catalpa bignonioides Walt. (*)

ACANTHACEAE

Ruellia humilis Nutt.

PHRYMACEAE

Phryma leptostachya L.

PLANTAGINACEAE

Plantago aristata Michx.
P. lanceolata L. (*)
P. major L. (*)
P. purshii R. & S.
P. rugelii Dene.

RUBIACEAE

Cephalanthus occidentalis L.
Galium aparine L.
G. asprellum Michx.
G. boreale L.
G. concinnum Michx.
G. circaeazans Michx.
G. obtusum Bigel.
G. tinctorium L.
G. triflorum Michx.
Houstonia lanceolata (Poir.) Britt.

CAPRIFOLIACEAE

Lonicera dioica L.
L. prolifera (Kirchn.) Rehd.
L. tatarica L. (*)
Sambucus canadensis L.
S. pubens Michx.
Symphoricarpos occidentalis Hook.
Triosteum aurantiacum Bickn.
T. perfoliatum L.
Viburnum acerifolium L.
V. lentago L.
V. prunifolium L.
V. rafinesquianum Schultes.

CAMPANULACEAE

Campanula americana L.
C. aparinoides Pursh.
C. intercedens Witasek.
C. rapunculoides L. (*)
C. uliginosa Rydb.
Triodanis perfoliata (L.) Nieuwl.

LOBELIACEAE

Lobelia cardinalis L.
L. inflata L.
L. kalmii L.
L. leptostachys A.DC.
L. siphilitica L.
L. spicata Lam.

COMPOSITAE

Achillea millefolium L. (*)
Actinomeris alternifolia (L.) DC.
Ambrosia coronopifolia T. & G.
A. elatior L.
A. trifida L.
Antennaria neglecta Greene.
A. neodioica Greene.
A. parlinii Fern.
A. plantaginifolia (L.) Hook.
Anthemis cotula L. (*)
Arctium minus (Hill.) Bernh. (*)
Artemisia biennis Willd.
A. caudata Michx.
A. dracunculoides Pursh.
A. gnaphalodes Nutt.
A. ludoviciana Nutt.
A. serrata Nutt.
Aster azureus Lindl.
A. cordifolius L.
A. drummondii Lindl.
A. ericoides L.
A. exiguus (Fern.) Rydb.
A. laevis L.
A. lateriflorus (L.) Britt.
A. linariifolius L.
A. macrophyllus L.
A. novae-angliae L.
A. oblongifolius Nutt.
A. ontarionis Wieg.
A. paniculatus Lam.
A. pilosus Willd.
A. puniceus L.
A. sagittifolius Wedem.
A. salicifolius Lam.
A. sericeus Vent.
A. shortii Lindl.
A. tradescanti L.
A. umbellatus Mill.
Bidens cernua L.
B. comosa (A. Gray) Wieg.
B. connata Muhl.
B. coronata (L.) Britt.
B. frondosa L.
B. vulgaris Greene.
Braunaria pallida (Nutt.) Britt.
Cacalia atriplicifolia L.

C. muhlenbergii (Sch.-Bip.) Fern.
C. suaveolens L.
C. tuberosa Nutt.
Centaurea maculosa Lam. (*)
Chrysanthemum leucanthemum L. (*)
Cichorium intybus L. (*)
Cirsium altissimum (L.) Spreng.
C. arvense (L.) Scop. (*)
C. discolor (Muhl.) Spreng.
C. vulgare (Savi) Aity-Shaw. (*)
Coreopsis palmata Nutt.
C. tripteris L.
Erigeron annuus (L.) Pers.
E. canadensis L.
E. philadelphicus L.
E. pulchellus Michx.
E. strigosus Muhl.
Eupatorium altissimum L.
E. maculatum L.
E. perfoliatum L.
E. purpureum L.
E. rugosum Houtt.
E. serotinum Michx.
Galinsoga ciliata (Raf.) Blake. (*)
Gnaphalium obtusifolium L.
Grindelia squarrosa (Pursh.) Dunal.
Helenium autumnale L.
Helianthus annuus L.
H. decapetalus L.
H. divaricatus L.
H. grosseserratus Martens.
H. hirsutus Raf.
H. occidentalis Riddell.
H. petiolaris Nutt.
H. rigidus (Cass.) Desf.
H. strumosus L.
H. tuberosus L.
Heliopsis helianthoides (L.) Sweet.
Hieracium canadense Michx.
H. gronovii L.
H. longipilum Torr.
Iva ciliata Willd.
Krigia biflora (Walt.) Blake.
Kuhnia eupatorioides L.
Lactuca biennis (Moench) Fern.
L. canadensis L.
L. floridana (L.) Gaertn.
L. ludoviciana (Nutt.) Riddell.
L. scariola L. (*)
L. villosa Jacq.
Liatris aspera Michx.
L. cylindracea Michx.
L. pycnostachya Michx.
L. spicata (L.) Willd.
Matricaria matricarioides (Less.)
Prenanthes alba L.
P. aspera Michx.
P. racemosa Michx.
Ratibida pinnata (Vent.) Barnh.
Rudbeckia hirta L.
R. laciniata L.
R. triloba L.
Senecio aureus L.

S. plattensis Nutt.
Silphium integrifolium Michx.
S. laciniatum L.
S. perfoliatum L.
S. terebinthinaceum Jacq.
Solidago altissima L.
S. gigantea Ait.
S. glaberrima Martens.
S. hirtella (Greene) Bush.
S. juncea Ait.
S. latifolia L.
S. media (Greene) Bush.
S. nemoralis Ait.
S. riddellii Frank.
S. rigida L.
S. speciosa Nutt.
S. uliginosa Nutt.
S. ulmifolia Muhl.
Sonchus arvensis L. (*)
S. asper (L.) Hill. (*)
S. oleraceus L. (*)
S. uliginosus Bieb. (*)
Tanacetum vulgare L. (*)
Taraxacum officinale Weber. (*)
Tragopogon pratensis L. (*)
Vernonia fasciculata Michx.
Xanthium commune Britt.

SUMMARY

Families	109
Genera	399
Species	
Introduced	145
Native	794
Total species	939

REFERENCES

- BRETZ, J HARLEN, 1923, Geology and mineral resources of the Kings quadrangle: Illinois Geol. Survey Bull. 43(C), pp. 205-304.
 FELL, EGBERT W., Flora of Winnebago County, Illinois: in press.
 FULLER, GEORGE D., FELL, E. W., and GEORGE B. FELL, 1949, Check list of the vascular plants of Winnebago County, Illinois: Trans. Ill. Acad. Sci. 42:68-79.
 JONES, G. NEVILLE, 1950, Flora of Illinois, 2nd. ed.: Amer. Midl. Nat. Mon. 5, 1-368.
 ROLFE, DEETTE, 1929, The Rock River country of northern Illinois: Illinois Geol. Survey Ed. Ser. 2.
 SALISBURY, ROLLIN D., and H. H. BARROWS, 1918, The environment of Camp Grant: Illinois Geol. Survey Bull. 39.
 WASCHER, HERMAN, SMITH, R. S., and L. H. SMITH, 1935, Boone County soils: Univ. Ill. Agr. Expt. Sta. Soil Report 65.