

A Preliminary Checklist of Vascular plants of the New Botanical Gardens, Dixboro,  
Michigan  
By James Wilson

The following checklist is based upon those plants which could be identified, at least to genus, during the period between **June 15 to September 15, 1958**. Much of the spring flora was missed as well as the late summer and fall flora. These remain to be determined through succeeding surveys.

The nomenclature and sequence of families in the checklist is largely based upon *Gray's Manual*, eighth edition, although some binomials were obtained from the *New Britton and Brown*. Genera and species are listed alphabetically in each family. The numbers following each species denote the ecological areas in which the plants occur. [ed. note – map from *A Preliminary Floristic Survey of the New Botanical Gardens* by James Wilson has been appended for ease of reference.]

In all, 75 families, 219 genera and 356 species are represented in the checklist.

## List of Species

### PTERIDOPHYTA

#### Equisetaceae

*Equisetum arvense* L. – 1, 3, 4

*fluviatile* L. – 1, 2, 3

*hyemale* L. – 3, 5

#### Osmundaceae

*Osmunda cinnamomea* L. – 2, 3

#### Polypodiaceae

*Athyrium thelypteroides* (Michx.) Desv. – 1, 4

*Dryopteris spinulosa* (O. F. Muell.) Watt – 1, 2, 3

*Onoclea sensibilis* L. – 1, 4

### SPERMATOPHYTA

#### GYMNOSPERMAE

#### Pinaceae

*Juniperus virginiana* L. – 2

*Larix laricina* (DuRoi) K. Koch – 1, 2, 3, 4

*Pinus sylvestris* L. – 5 (planted)

*Thuja occidentalis* L. – 4 (planted)

#### ANGIOSPERMAE

#### Monocotyledoneae

#### Sparganiaceae

*Sparganium eurycarpum* Engelm. – 2

*Sparganium* sp. – 2

#### Zosteraceae

*Potamogeton pectinatus* L. – 2

#### Alismataceae

*Alisma subcordatum* Raf. – 2, 5

*Sagittaria latifolia* Willd. – 2

#### Hydrocharitaceae

*Elodea canadensis* Michx. – 2

*Vallisneria Americana* Michx. - 2

Gramineae

- Agropyron repens* (L.) Beauv. - 2, 4, 5  
*Agrostis alba* L. - 1, 2, 3, 4, 5  
*Andropogon gerardi* Vitman - 1  
*Bromus ciliatus* L. - 1, 2, 3, 4  
    *commutatus* Schrad. - 3  
    *inermis* Leyss. - 2, 4, 5  
    *japonicus* Thunb. - 5  
    *kalmii* Gray - 2  
    *purgans* L. - 1, 2, 3, 4  
    *racemosus* L. - 1, 2, 3, 4, 5  
    *secalinus* L. - 4, 5  
    *tectorum* L. - 5  
*Calamagrostis canadensis* (Michx.) Nutt. - 3, 4  
*Dactylis glomerata* L. - 2, 4, 5  
*Echinochloa crusgalli* (L.) Beauv. - 4, 5  
*Elymus virginicus* L. - 2, 4  
*Eragrostis cilianensis* (All.) Link - 5  
    *hypnoides* (Lam.) BSP. - 2  
    aff. *spectabilis* (Pursh) Steud. - 5  
*Festuca obtusa* Biehler - 2  
*Glyceria grandis* S. Wats. - 1, 2, 3, 4  
    *striata* (Lam.) Hitchc. - 1, 2, 3, 4  
*Hierochloa odorata* (L.) Beauv. - 1  
*Koeleria cristata* (L.) Pres. - 1, 2, 3, 4  
*Leersia orysoides* (L.) Sw. - 1  
*Lolium multiflorum* Lam. - 5  
    *perenne* L. - 5  
*Muhlenbergia* spp. - 1, 2, 3, 4, 5  
*Panicum* spp. - 5  
*Phalaris arundinacea* L. - 1  
*Phleum pratense* L. - 2, 3, 4, 5  
*Phragmites communis* Trin. - 1  
*Poa pratensis* L. - 2, 3, 4, 5  
*Setaria glauca* (L.) Beauv. - 5  
    *viridis* (L.) Beauv. - 5  
*Triticum aestivum* L. - 5

Cyperaceae

- Carex annectans* Bickn. - 4  
    *bebii* Olney - 2, 3, 4  
    *brunnescens* var. *sphaerostachya* (Tuckerm.)  
        Kukenth. - 2  
    *hystricina* Muhl. - 1, 2, 3, 4

*lanuginosa* Michx. – 1, 2, 3

*lacustris* Willd. – 4

Cyperaceae (cont.)

Carex (cont.)

*laxiflora* Lam. – 4

*normalis* MacKenz. – 2

*stipata* Muhl. – 1, 2, 4

*stricta* Lam. – 1, 2, 3, 4

*tribuloides* Wahlenb. – 4

*vulpinoidea* Michx. – 1, 3, 4

*Cyperus rivularis* Kunth – 2

*strigosus* L. – 2

*Cladium mariscoides* (Muhl.) Torr. – 4

*Eleocharis calva* Torr. – 1, 2, 3

*compressa* Sulliv. – 1

*intermedia* (Muhl.) Schultes – 1, 2

sp. – 4

*Eriophorum viridi-carinatum* (Engelm.) Fern. – 3

*Scirpus acutus* Muhl. – 1, 2, 3, 4

*atrovirens* Willd. – 1, 2, 3, 4

*lineatus* Michx. – 1, 3, 4

Araceae

*Acorus calamus* L. – 1

*Arisaema atrorubens* (Ait.) Blume – 2

*dracontium* (L.) Schott – 2

*Symplocarpus foetidus* (L.) Nutt. – 1, 2, 3, 4

Lemnaceae

*Lemna minor* L. – 2

Pontederiaceae

*Heteranthera dubia* (Jacq.) MacM. – 2

Juncaceae

*Juncus alpinus* Vill. – 1

*effusus* L. – 1, 4

*interior* Wieg. – 1

*tenuis* Willd. – 1, 2

spp. – 1, 2, 3, 4

*Luzula multiflora* (Retz.) Lejeune – hill behind *Potentilla*  
bog, southeast corner

Liliaceae

*Allium cernuum* Roth – 2, 3, 4

*Lilium superbum* L. – 2, 4

*Polygonatum canaliculatum* (Muhl.) Pursh – 2  
*pubescens* (Willd.) Pursh – 2

Liliaceae (cont.)

*Smilacina racemosa* (L.) Desf. – 1, 2  
*stellata* (L.) Desf. – 2, 3  
*Tofieldia glutinosa* (Michx.) Pers. – 1  
*Smilax hispida* (Muhl.) Fern. – 2

Dioscoreaceae

*Dioscorea villosa* L. – 2

Amaryllidaceae

*Hypoxis hirsuta* (L.) Coville – 1, 3

Iridaceae

*Iris versicolor* L. – 1, 2, 3, 4  
*Sisyrinchium albidum* Raf. – 2  
*angustifolium* Mill. – 1, 4

Orchidaceae

*Calopogon pulchellus* (Salisb.) R. Br. – 1  
*Liparis loeselii* (L.) Richard – 3  
*Pogonia ophioglossoides* (L.) Ker. – 1

Dicotyledoneae

Salicaceae

*Populus deltoides* Marsh. – 1, 3, 4, 5  
*tremuloides* Michx. – 1, 2, 3, 4, 5  
*Salix* spp. 1, 2, 3, 4, 5

Juglandaceae

*Carya ovata* (Mill.) K. Koch – 2  
*Juglans nigra* L. – 2

Corylaceae

*Betula pumila* L. – 2  
*Carpinus caroliniana* Walt. – 1, 2, 3  
*Corylus americana* Walt. – 1, 2, 3, 4

Fagaceae

*Quercus alba* L. – 2, 4  
*bicolor* Willd. – 2  
*macrocarpa* Michx. – 2  
*rubra* L. – 2

Ulmaceae

*Ulmus americana* L. – 1, 2, 4, 5

Ulmaceae (cont.)

*Ulmus* (cont.)

*pumila* L. – Hardwood planting

*rubra* Muhl. – 2

Urticaceae

*Laportea canadensis* (L.) Wedd. – 2, 4

*Pilea pumila* (L.) Gray – 2

*Urtica gracilis* Ait. – 2, 4

Polygonaceae

*Polygonum aviculare* L. – 2, 5

*convolvulus* L. – 5

*coccineum* Muhl. – 5

*hydropiperoides* Michx. – 2

*lapathifolium* L. – 2

*pensylvanicum* L. – 2, 5

*persicaria* L. – 2, 5

*Polygonum* spp. – 2, 5

*Rumex acetosella* L. – 5

*crispus* L. – 2, 4, 5

*orbiculatus* Gray – 1, 3

*Tovara virginiana* (L.) Raf. – 2

Chenopodiaceae

*Chenopodium album* L. – 4, 5

spp. – 4, 5

Amaranthaceae

*Amaranthus* spp. – 2, 4, 5

Caryophyllaceae

*Arenaria* sp. – 5

*Lychnis alba* Mill. – 2, 4, 5

*coronaria* (L.) Desr. – 5

*Saponaria officinalis* L. – barn by house

*Silene noctiflora* L. – 5

*Stellaria graminea* L. – 2, 3

*longifolia* Muhl. – 1, 4

*media* (L.) Cyrillo – 2, 4

Ceratophyllaceae

*Ceratophyllum demersum* L. – 2

Ranunculaceae

- Actaea* sp. – 3
- Anemone cylindrica* Gray – 2, 4
- canadensis* L. – 2
- Caltha palustris* L. – 2, 3, 4
- Clematis virginiana* L. – 2
- Hepatica americana* (DC) Ker. – hill behind *Potentilla* bog,  
    southeast corner
- Ranunculus abortivus* L. – 2
- hispidus* Michx. – 2
- recurvatus* Poir. – 2
- scleratus* L. – 2, 4
- septentrionalis* Poir. – 1, 2, 4
- Thalictrum dasycarpum* Fisch. & Lall. – 1, 2, 3, 4

Papaveraceae

- Sanguinaria canadensis* L. – 2

Cruciferae

- Barbarea vulgaris* R. Br. – 1, 2, 4
- Berteroa incana* (L.) DC – 4
- Brassica nigra* (L.) Koch – 2
- Camelina microcarpa* Andr. – 5
- Lepidium campestre* (L.) R. Br. – 5
- virginicum* L. – 5
- Nasturtium officinale* R. Br. – 2
- Sisymbrium altissimum* L. – 5

Saxifragaceae

- Mitella nuda* L. – 3
- Parnassia glauca* Raf. – 1, 3, 4
- Penthorum sedoides* L. – 2
- Ribes americanum* Mill. – 1, 2, 3, 4
- cynosbati* L. – 3
- hirtellum* Michx. – 1
- Saxifraga pensylvanica* L. – 1, 3

Rosaceae

- Agrimonia gryposepala* Wallr. – 1, 2
- Crataegus* spp. – 1, 2, 4
- Fragaria virginiana* Duchesne – 5
- Geum aleppicum* Jacq. – 1, 2, 4
- canadense* Jacq. – 2, 3, 4
- laciniatum* Murr. – 2, 4, 5

*macrophyllum* Willd. – 5  
*rivale* L. – 3

Rosaceae (cont.)

*Potentilla fruticosa* L. – 1, 3, 4  
*intermedia* L. – 1, 3, 4  
*recta* L. – 2, 5  
*Prunus serotina* Ehrh. – 1  
*virginiana* L. – 2, 3  
*Physocarpus opulifolius* (L.) Maxim. – 2  
*Rosa carolina* L. – 2  
*Rubus allegheniensis* Porter – 2  
*occidentalis* L. – 1, 2  
spp. – 1, 2  
*Spiraea* sp. – 1

Leguminosae

*Amphicarpa bracteata* (L.) Fern. – 1, 2, 3, 4  
*Apios americana* Medic. – 2  
*Gleditsia triacanthos* L. – Hardwood planting  
*Lathyrus palustris* L. – 1, 4  
*Medicago lupulina* L. – 4, 5  
*sativa* L. – 2, 4, 5  
*Melilotus alba* Desr. – 2, 4, 5  
*officinalis* (L.) Lam. – 4, 5  
*Trifolium hybridum* L. – 2, 4, 5  
*pratense* L. – 2, 4, 5  
*repens* L. – 2, 4, 5

Oxalidaceae

*Oxalis stricta* L. – 2, 4

Geraniaceae

*Geranium maculatum* L. – 2

Rutaceae

*Xanthoxylum americanum* Mill. – 2, 4

Anacardiaceae

*Rhus glabra* L. – 5  
*radicans* L. – 1, 2, 3, 5  
*typhina* L. – 1, 5  
*vernix* L. – 3

Aceraceae

*Acer negundo* L. – 1, 2, 3, 5  
*nigrum* Michx. – 2



*saccharinum* L. – 3, 4

Hippocastanaceae

*Aesculus glabra* Willd. – Hardwood planting

Balsaminaceae

*Impatiens capensis* Meerb. – 1, 2, 3, 4

*pallida* Nutt. – 1, 2, 3

Rhamnaceae

*Rhamnus alnifolia* L'Her. – 1, 3, 4

Vitaceae

*Parthenocissus quinquefolia* (L.) Planch – 2, 3

*inserta* (Kerner) K. Fritsch – 2

*Vitis riparia* Michx. – 1, 2, 3, 4, 5

Tiliaceae

*Tilia americana* L. – 1, 2, 3

Malvaceae

*Malva neglecta* Wallr. – 5

Guttiferae

*Hypericum kalmianum* L. – 6

*perforatum* L. – 4, 5

Violaceae

*Viola cucullata* Ait. – 1, 3

Elaeagnaceae

*Elaeagnus angustifolia* L. – 1

Onagraceae

*Circaea quadrisulcata* (Maxim.) Franch. & Sav. – 2, 3

*Epilobium glandulosum* Lehm. (?) – 1, 4

*Oenothera* aff. *biennis* L. – 2, 5

Umbelliferae

*Cicuta bulbifera* L. – 1

*maculata* L. – 1, 2, 3, 4

*Conioselinum chinense* (L.) BSP. – 2, 3, 4

*Cryptotaenia canadensis* (L.) DC – 2, 3, 4

*Daucus carota* L. – 2, 4, 5

*Heracleum maximum* Bartr. – 1, 2, 3

*Osmorhiza longistylis* (Torr.) DC – 2

*Pastinaca sativa* L. – 3, 4  
*Sanicula marilandica* L. – 2, 4  
Umbelliferae (cont.)  
*Zizia aurea* (L.) W. D. J. Koch – 1, 2, 3, 4

Cornaceae

*Cornus alternifolia* L. f. – 1, 2, 3, 4  
*obliqua* Raf. 1, 2, 3, 4, 5  
*racemosa* Lam. – 1, 2, 3, 4  
*stolonifera* Michx. – 1, 2, 3, 4

Primulaceae

*Lysimachia ciliata* L. – 1, 2, 3, 4  
*quadriflora* Sims – 2

Oleaceae

*Fraxinus americana* L. – 1, 2, 3  
*nigra* Marsh. – 2

Gentianaceae

*Gentiana andrewsii* Griseb. – 2  
*crinita* Froel. – 1, 2, 3, 4

Apocynaceae

*Apocynum cannabinum* L. – 5

Asclepiadaceae

*Asclepias incarnata* L. – 1, 2, 3, 4  
*syriaca* L. – 2, 4, 5

Convolvulaceae

*Convolvulus sepium* L. – 2, 4  
*Cuscuta* sp. – 2, 4

Boraginaceae

*Lappula echinata* Gilib. – 2

Verbenaceae

*Verbena hastata* L. – 1, 2, 3, 4, 5  
*urticifolia* L. – 1, 2, 3, 4

Labiatae

*Glechoma hederacea* L. – west of willow planting  
*Leonurus cardiaca* L. – 2, 5  
*Lycopus americanus* Muhl. – 1, 2, 4, 5  
*uniflorus* Michx. – 1  
*Mentha arvensis* L. – 2, 3

- piperita* L. – 2  
*Monarda fistulosa* L. – 1, 2, 4, 5
- Labiatae (cont.)  
*Nepeta cataria* L. – 2, 3, 5  
*Prunella vulgaris* L. – 2, 3, 4  
*Pycnanthemum virginianum* (L.) Durand & Jackson – 1, 2,  
3, 4  
*Scutellaria epilobiifolia* A. Hamilton – 2  
*Teucrium candense* L. – 2, 4
- Solanaceae  
*Physalis heterophylla* Nees – 4  
*virginiana* Mill. – 2  
*Solanum dulcamara* L. – 1, 2, 4
- Scrophulariaceae  
*Chelone glabra* L. – 1, 2, 3, 4  
*Linaria vulgaris* Hill – 5  
*Lindernia anagallidea* (Michx.) Pennell – 2  
*Mimulus ringens* L. – 1, 2  
*Pedicularis lanceolata* Michx. – 1, 3, 4  
*Scrophularia marilandica* L. – 2  
*Verbascum thapsus* L. – 2, 4, 5  
*Veronica americana* (Raf.) Schwein. – 4  
*Veronicastrum virginicum* (L.) Farw. – 3, 4
- Bignoniaceae  
*Catalpa speciosa* Warder – 2
- Lentibulariaceae  
*Utricularia intermedia* Hayne – 3
- Phrymaceae  
*Phryma leptostachya* L. – 2, 3
- Plantaginaceae  
*Plantago lanceolata* L. – 2, 4, 5  
*major* L. – 2, 4, 5  
*rugelii* Dcne. – 2, 5  
*virginica* L. – 1
- Rubiaceae  
*Galium aparine* L. – 1, 2, 3  
*asprellum* Michx. – 1, 2, 3  
*boreale* L. – 1, 3  
*obtusum* Bigel. – 2, 4

Caprifoliaceae

- Lonicera tatarica* L. – 2, 3  
*Sambucus canadensis* L. – 1, 2, 3, 4  
*Viburnum lentago* L. – 1, 2, 3, 4  
*trilobum* Marsh. – 1, 2, 3

Valerianaceae

- Valeriana ciliata* T. & G. – 1, 3  
*uliginosa* (T. & G.) Rydb. – 1

Dipsacaceae

- Dipsacus sylvestris* Huds. – 4

Cucurbitaceae

- Echinocystis lobata* (Michx.) T. & G. – 2, 3, 4

Campanulaceae

- Campanula aparinoides* Pursh. – 2, 3  
*Lobelia cardinalis* L. – 5  
*kalmia* L. – 1  
*siphilitica* L. – 1, 2, 4

Compositae

- Achillea millefolium* L. – 2, 4, 5  
*Ambrosia artemisiifolia* L. – 4, 5  
*Arctium lappa* L. – 1, 4  
*minus* (Hill) Bernh. – 2  
*Aster laevis* L. – 1  
*lateriflorus* (L.) Britt. – 1  
*novae-angliae* L. – 1, 2, 3, 4, 5  
*pilosus* Willd. – 2  
*praealtus* Poir. – 1, 4  
*puniceus* L. – 1, 2, 3, 4, 5  
*sagittifolius* Wedemeyer – 2  
*umbellatus* Mill. – 3  
spp. – 1, 2, 3, 4, 5  
*Bidens* spp. – 2, 4, 5  
*Centaurea maculosa* Lam. – 4, 5  
*Chrysanthemum leucanthemum* L. – 2, 5  
*Cichorium intybus* L. – 1, 5  
*Cirsium arvense* (L.) Scop. – 1, 2, 4, 5  
*discolor* (Muhl.) Spreng. – 5  
*muticum* Michx. – 1, 2, 3, 4  
*Cirsium vulgare* (Savi) Tenore – 1, 2, 3, 4, 5

- Erigeron annuus* (L.) Pers. – 2  
*canadensis* L. – 2, 5
- Compositae (cont.)
- Erigeron* (cont.)  
*pulchellus* Michx. – 2  
*philadelphicus* L. – 1, 2, 3, 4, 5  
*strigosus* Muhl. – 1, 2, 3, 4, 5
- Eupatorium maculatum* L. – 1, 2, 3, 4, 5  
*perfoliatum* L. – 1, 2, 3, 4  
*purpureum* L. – 2
- Helianthus giganteus* L. – 2, 4  
*Heliopsis helianthoides* (L.) Sweet – 1, 2, 4  
*Matricaria chamomilla* L. – barn by house  
*Prenanthes alba* L. – 2  
*Polymnia uvedalia* L. – 2, 4  
*Rudbeckia laciniata* L. – 2, 4  
*serotina* Nutt. – 1, 2, 3, 4
- Senecio aureus* L. – 1, 2, 3, 4  
*Solidago altissima* L. – 1, 2, 3, 4, 5  
*canadensis* L. – 1, 2, 3, 4, 5  
*gigantea* Ait. – 1, 3, 4  
*graminifolia* (L.) Salisb. – 1, 3, 4, 5  
*juncea* Ait. – 1, 3  
*patula* Muhl. – 3  
*missouriensis* Nutt. – 5  
*riddellii* Frank – 1, 3, 4  
spp. – 1, 2, 3, 4, 5
- Sonchus uliginosus* Bieb. – 1, 2, 4, 5  
*Taraxacum officinale* Weber – 2, 5  
*Tragopogon pratensis* L. – 5

