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FERNS AND FLOWERING PLANTS OF THE
HEMPSTEAD PLAINS, LONG ISLAND,
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The Hempstead Plains will soon be a memory. Suburban building, farming, and golf links are fast encroaching on this prairie. The writer is familiar with two publications relating to the Hempstead Plains* and although the following list is in large part a repetition of plants recorded in the publications referred to, it includes some others. The list is confined entirely to plants collected or observed by the writer during the past five years. All introduced plants, those growing on abandoned fields, or by the roadsides, have been excluded, so that only plants native to the Plains are recorded.

This list is incomplete, for the writer rarely goes out on the Plains without finding at least one plant not seen by him before. The names used agree with Britton & Brown's *Illustrated Flora*, with the exception of the genus *Kneiffia*, which is treated according to Pennell, Bull. Torrey Club 46: 363-373. Oct., 1919, and Gramineae, according to Hitchcock & Chase. Except in *Kneiffia* and in the Gramineae, therefore, the authorities for the names are omitted.

The Hempstead Plains are mostly open, dry prairie, but there are two swampy areas, Meadowbrook stream and swamp, south of Westbury; and a stream and swamp northeast of the village of Hempstead, and some acres of woods, mostly *Pinus rigida*, south of Hicksville and near the southern edge of the Plains, locally known as the Isle of Pines.

Those plants marked P were found on the open plains.

Those plants marked I were found in the Isle of Pines.

* Hicks, Henry. Flora of the Hempstead Plains, Long Island. Thesis. Cornell Univ. 1892.

Harper, R. M. Vegetation of the Hempstead Plains. Memoirs Torrey Club 17: 262-286. June 1918.

Those plants marked M were found in the Meadowbrook Swamp.

Those plants marked H were found in the swamp at Hempstead.

It will be observed that many plants are common to more than one locality.

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| Polypodiaceae | <i>P. lindheimeri</i> Nash—I P M H |
| <i>Dryopteris thelypteris</i> —M | <i>P. longifolium</i> Torr.—M H |
| <i>Onoclea sensibilis</i> —M | <i>P. lucidum</i> Ashe—M |
| Osmundaceae | <i>P. microcarpon</i> Muhl.—M |
| <i>Osmunda cinnamomea</i> —M | <i>P. sphaerocarpon</i> Ell.—I |
| <i>O. regalis</i> —M | <i>P. virgatum</i> L.—I |
| Lycopodiaceae | <i>P. virgatum cubense</i> Griseb.—I P M H |
| <i>Lycopodium adpressum</i> —M | <i>Paspalum muhlenbergii</i> Nash—P |
| Pinaceae | <i>Sorghastrum nutans</i> (L.) Nash—P I |
| <i>Pinus rigida</i> —I P | Cyperaceae |
| Sparganiaceae | <i>Stenophyllus capillaris</i> M |
| <i>Sparganium androcladum</i> —M | <i>Scleria pauciflora</i> —P |
| Alismaceae | <i>Scirpus cyperinus</i> —M H |
| <i>Sagittaria latifolia</i> —M | <i>S. debilis</i> —M H |
| Gramineae | <i>S. americanus</i> —M H |
| <i>Agrostis hyemalis</i> (Walt.) B.S.P.—I P | <i>Rynchospora alba</i> —M |
| <i>A. perennans</i> (Walt.) Tuckman.—M | <i>R. capitellata</i> —M H |
| <i>Andropogon furcatus</i> Muhl.—I P | <i>Eriophorum tenellum</i> —M |
| <i>A. scoparius</i> Michx.—I P | <i>E. virginicum</i> —M |
| <i>A. virginicus</i> L.—M P | <i>Fimbristylis puberula</i> —H |
| <i>Aristida dichotoma</i> Michx.—I P | <i>Eleocharis palustris</i> —M |
| <i>A. purpurascens</i> Poir.—P | <i>E. olivacea</i> —M |
| <i>Danthonia spicata</i> (L.) Beauv.—P | <i>E. capitata</i> —M |
| <i>Syntherisma filiforme</i> (L.) Nash—P | <i>E. tuberculosa</i> —M |
| <i>Eragrostis pectinacea</i> (Michx.) Steud. | <i>Cyperus filiculmis</i> —M P I |
| —P I | <i>C. strigosus</i> —I |
| <i>Festuca octostora</i> Walt.—M | <i>Carex annectens</i> —P |
| <i>Panicularia acutiflora</i> (Torr.) Kuntze | <i>C. albolutescens</i> —I M |
| —H | <i>C. canescens</i> —M |
| <i>P. canadensis</i> (Michx.) Kuntze—M | <i>C. folliculata</i> —M |
| <i>Panicum albemarlense</i> Ashe—I P | <i>C. lanuginosa</i> —H |
| <i>P. capillare</i> L.—I | <i>C. lupulina</i> —H |
| <i>P. columbianum</i> Scribn.—I P | <i>C. lurida</i> —M |
| <i>P. columbianum thinium</i> H. & C.—P | <i>C. pennsylvanica</i> —M P I |
| <i>P. implicatum</i> Scribn.—P M | <i>C. scoparia</i> —M H |
| | <i>C. vulpinoidea</i> —H |
| | <i>C. emmonsii</i> —M |
| | Eriocaulaceae |
| | <i>Eriocaulon septangulare</i> —M |

- Xyridaceae
Xyris flexuosa—M
- Juncaceae
Juncus acuminatus—M H
J. canadensis—M H
J. dichotomus—M H P
J. effusus—M H
J. greenei—I P
J. marginatus—M
J. pelocarpus—M
J. scirpoides—H
J. tenuis—H M I P
Juncoides campestre—M
- Liliaceae
Aletris farinosa—P I
- Convallariaceae
Polygonatum biflorum—I
Vagnera racemosa—I
- Smilacaceae
Smilax rotundifolia—I
- Amaryllidaceae
Hypoxis hirsuta—I P
- Iridaceae
Sisyrinchium arenicola—I P
S. allanticum—M
- Orchidaceae
Limodorum tuberosum—M
Fissipes acaulis—I
Blephariglottis ciliaris—P I M
B. lacera—M
Pogonia ophioglossoides—M
Ibidium cernuum—M
I. gracile—P
- Salicaceae
Populus grandidentata—P I
P. tremuloides—P I
Salix discolor—I
S. humilis—I P
S. tristis—I P
- Myricaceae
Comptonia peregrina—I
- Myrica carolinensis*—M P
- Betulaceae
Betula populifolia—I P
Corylus americana—I P
- Fagaceae
Quercus ilicifolia—I P
Q. marylandica—P
Q. prinoides—P I
Q. stellata—P I
Q. velutina—P I
- Santalaceae
Commandra umbellata—I
- Polygonaceae
Polygonella articulata—P
Persicaria hydropiperooides—M
Tracaulon sagittatum—M
- Phytolaccaceae
Phytolacca americana—I
- Nymphaeaceae
Brasenia schreberi—M
Castalia odorata—M
- Ranunculaceae
Anemone quinquefolia—M
- Cruciferae
Radicula palustris—H
- Droseraceae
Drosera rotundifolia—M
D. intermedia—M
- Saxifragaceae
Chrysosplenium americanum—M
- Malaceae
Amelanchier intermedia—M
Aronia atropurpurea—M
A. melanocarpa—P
Crataegus crus-galli—I
- Amygdalaceae
Padus virginiana—P M
Prunus cuneata—I
P. maritima—M

Rosaceae

- Fragaria virginiana*—M
Potentilla monspeliensis—P I
P. pumila—P I M
Rosa palustris—M
R. virginiana—M P
Rubus frondosus—I
R. nigricans—P
R. procumbens—P
R. hispidus—M
Spiraea latifolia—M H
S. tomentosa—M H

Fabaceae

- Baptisia tinctoria*—P I
Lespedeza angustifolia—P
L. velutina—P
L. velutina × *angustifolia*—P
L. hirta—P
L. virginica—I
Cracca virginiana—I P

Linaceae

- Cathartolinum intercusum*—I P
C. striatum—M H

Geraniaceae

- Geranium maculatum*—M P

Polygalaceae

- Polygala cruciata*—M
P. nuttallii—I P
P. polygama—P
P. viridescens—P I M

Euphorbiaceae

- Tithymalopsis ipecacuanhae* P

Anacardiaceae

- Rhus copallina*—P I
Toxicodendron Vernix—M
T. radicans—P

Ilicaceae

- Ilex verticillata*—M

Aceraceae

- Acer rubrum*—M

Rhamnaceae

- Ceanothus americanus*—I

Hypericaceae

- Hypericum adpressum*—M H
H. canadense—M H
H. mutilum—M
Triadenum virginicum—M
Sarothra gentianoides—P I

Cistaceae

- Crocathemum majus*—P I
C. propinquum—P I
C. canadense—P I
C. dumosum—P I
Lechea maritima—P
L. minor—P I
L. villosa—P I

Violaceae

- Viola bittoniana*—P M
V. cucullata—M
V. cucullata × *brittoniana*—M
V. fimbriatula × *brittoniana*—M
V. fimbriatula—P I M
V. lanceolata—M P
V. pallens—M
V. pedata—M P I
V. primulifolia—M P I
V. emarginata—I

Cactaceae

- Opuntia Opuntia*—P

Melastomaceae

- Rhexia virginica*—M H

Onagraceae

- Chamaenerion angustifolium*—M P I
Ludwigia alternifolia—M H
Oenothera biennis—I P
Kneiffia fruticosa (L.) Raimann—P M
K. velutina Pennell—P
K. perennis (L.) Pennell—P

Ericaceae

- Uva-ursi uva-ursi* P
Neopieris mariana—P M
Xolisma ligustrina—M

- Vacciniaceae
Gaylussacia baccata—P I
Vaccinium corymbosum—M H
V. angustifolium—I
V. vacillans—I P
Oxycoccus macrocarpus—M
- Primulaceae
Lysimachia quadrifolia—I
L. terrestris—M
- Gentianaceae
Bartonia virginica—P I
Dasystephana saponaria—M H
- Asclepiadaceae
Acerates viridiflora—P
Asclepias amplexicaulis—P
A. pulchra—M
A. syriaca—P
A. tuberosa—P
A. verticillata—P
- Convolvulaceae
Convolvulus sepium—P
- Verbenaceae
Verbena hastata—M
- Labiatae
Lycopus americanus—M H
L. uniflorus—M
Stachys hyssopifolia—M P
Trichostema dichotomum—L
- Scrophulariaceae
Aureolaria pedicularia—I
Agalinis purpurea—M P H
A. acuta—P I
Gratiola aurea—M H
Linaria canadensis—P
Pedicularis canadensis—P
- Rubiaceae
Diodia teres—P
Galium claytoni—M
Houstonia longifolia—P I
- Caprifoliaceae
Sambucus canadensis—M H
Viburnum dentatum—M H
- Lobeliaceae
Lobelia nuttallii—M H
L. spicata—P
- Cichoriaceae
Hieracium gronovii—P I
Krigia virginica—P
Nabalus serpentarius—I
- Compositae
Helianthus angustifolius—M
Sericocarpus linifolius—P I
Solidago altissima—M
S. juncea—M I
S. nemoralis—P I
S. odora—I
S. puberula—I P
S. rugosa—I M
Euthamia graminifolia—M
E. tenuifolia—M P I
Vernonia noveboracensis—M
Anaphalis margaritacea—P I
Antennaria fallax—P
A. neglecta—P
A. neodioica—P
A. plantaginifolia—P
Aster dumosus—P M I
A. novi-belgii—M
A. novi-belgii elodes—M
A. paniculatus—P H
A. patens—P
A. puniceus lucidulus—M
A. vimineus—H I
Ionactis linariifolius—P I
Bidens comosa—H
B. connata—M H
B. frondosa—M H
Chrysopsis falcata—P
C. mariana—P I
Cirsium odoratum—P
Erechtites hieracifolia—I
Erigeron ramosus—P
Eupatorium hyssopifolium—P
E. perfoliatum—M I
E. maculatum—M H
E. rotundifolium—P
E. torreyanum—P
Gnaphalium obtusifolium—P I