



NYFA Newsletter

New York Flora Association - New York State Museum Institute

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A Review of NYFA's 2003 Activities

By Troy Weldy and Steve Young

This past year was one of the most active years in the history of the New York Flora Association. Many of you attended the one or more of the four field trips during which over 500 species were identified.

The first of the NYFA field trips was to Joralemon Woods, an area noted for its high fern diversity and limestone flora. The highlight of this trip may have been the sighting of green dragon (*Arisaema dracontium*). While not considered rare, this plant is not encountered very often. Other interesting sightings included wall rue spleenwort (*Asplenium ruta-muraria*), green violet (*Hybanthus concolor*), and American bittersweet (*Celastrus scandens*). During this field trip, over 20 different ferns were noted.

Next, we traveled northward to a great peatland located at Spring Pond Bog; through special arrangement we were able to access this amazing place. While the species diversity was not high, the views were some of the best in the state. Spring Pond Bog is a mixture of patterned peatlands and inland poor fens with scattered bog lakes. This is all surrounded by extensive uplands dominated by fir, spruce, and various hardwoods. During this trip, we observed three rare plants: bog birch (*Betula pumila*), Canada ricegrass (*Oryzopsis canadensis*), and pod-grass (*Scheuchzeria palustris*). We also saw large populations of few-seeded sedge (*Carex oligosperma*), white fringed orchid (*Platanthera blephariglottis*), and pitcher plant (*Sarracenia purpurea*).

Remaining in the North County, our third trip took us to the far northeastern corner of the state. In this area, one can visit the unique sandstone pavement barrens. Dr. Kenneth Adams of

SUNY-Plattsburgh led a delightful and educational trip through these pavement barrens. Dominated by jack pine (*Pinus banksiana*), these pavement areas are known for the unique geology and abundant lichen flora. One highlight of this trip was the discovery of white adder's mouth orchid (*Malaxis monophyllus* var. *brachypoda*).

Returning home, Dick Mitchell led NYFA members on a trip to see his favorite botanical area of the state, the Hudson Highlands. This was the best attended of the four trips and also the trip that recorded the highest number of species. Besides friends being able to visit with Dick and a chance encounter with a rattlesnake, the highlight of the trip was the sighting of Virginia snakeroot (*Aristolochia serpentaria*). Within New York, this plant is only found on the hillsides of the Hudson Highlands.

In addition to these field trips, Dr. Nancy Slack led a two-day bryophyte identification workshop in the southern Adirondacks. This was the fourth in a series of identification workshops open to all NYFA members. These workshops offer members the opportunity to study a specific taxonomic group. Each workshop is led by a well-known taxonomist with expertise in the targeted group.

We would like to thank our field trip leaders: Frank Knight (Joralemon Woods), Leslie Karasin (Spring Pond Bog), Greg Edinger and Ken Adams (Altona Flat Rock), and Spider Barbour, Dick Mitchell, and David Werier (Hudson Highlands). We also thank all of you who made this a successful year.

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David Werier

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Joralemon

Joralemon Woods Species List

June 14, 2003, Alphabetical by species

In the coming year, additional field trips are planned including a trip to the Indian River area in Jefferson County and Bergen Swamp in Genesee County. The dates of these trips will be posted on our website as soon as they are finalized. During the upcoming Northeast Natural History Conference NYFA will host an open lecture to kick-off the conference. Dr. Ann Rhoads, co-author of *The Plants of Pennsylvania* and Senior Scientist of the Pennsylvania Flora Project, will entertain us with stories and a floristic history from our southern neighbor.

In addition to Ann Rhoads' Pennsylvania Flora seminar (Wed., May 19) that will be held at the NE Natural History Conference, there will be a total of four botanical workshops. These workshops are listed below. More information will be provided in the registration material that BRI is now preparing.

Northeastern Orchid Identification: Complex Groups and Recently Delimited Taxa

Date and Time: Wednesday, May 19, 9:00am - 12:00noon
Presented by **Charles J. Sheviak** of the New York State Museum. Maximum: 15 participants.

Rosaceae Identification, focus on *Crataegus* and *Rubus*

Date and Time: Wednesday, May 19, 9:00am - 4:00pm
Presented by **Dr. Gerry Moore**, Director of the New York Metropolitan Flora Project and Research Taxonomist at the Brooklyn Botanic Gardens. Maximum: 15 participants.

The Genus *Carex* (with emphasis on section *Acrocystis*) in the Northeast

Date: Saturday, May 22, 9:00am - 4:00pm
Presented by **David Werier** botanical consultant, Ithaca, NY. Maximum: 15 participants.

Liverworts

Date and Time: Saturday, May 22, 9:00am - 5:30pm
Presented by **Norton G. Miller** and **Lorinda Leonardi**, Biological Survey, NYS Museum. Maximum: 15 participants.

If you visited the NYFA webpage (www.nyflora.org) this past year, you were not alone. Our website registered 862,811 server hits during 178,230 sessions (4.8 hits per user session). This resulted in the server logging 6,063 hours of use. Converted to working hours, this is the equivalent of three people spending 40 hours each week for a full year using the NYFA website. While the website was created for you, the members of the New York Flora Association, our website has registered hits from all over the world. This upcoming year we look forward to unveiling an updated online New York Flora Atlas and fully expect over one million server hits.

Nearly 1,200 copies of our newsletter were distributed to our members. These newsletters included articles from eighteen different authors including a taxonomic update of *Eleocharis*, history of botanical societies within New York State, mycology, new discoveries of rare plants, plant pathology, and book reviews. All members are welcomed and encouraged to submit newsletter articles. Please help us keep this publication full of exciting botanical news.

Acer nigrum -Black Maple
Acer saccharum -Sugar Maple
Acer rubrum -Red Maple
Acer saccharinum -Silver Maple
Actaea pachypoda -White Baneberry
Adiantum pedatum -Maidenhair Fern
Alliaria petiolata -Garlic Mustard
Amelanchier stolonifera -Bush Juneberry
Amphicarpaea bracteata -Hog-Peanut
Antennaria plantaginifolia -Everlasting
Aquilegia canadensis -Wild Columbine
Arabidopsis lyrata -Lyre-Leaf Rock-Cress
Aralia nudicaulis -Wild Sarsaparilla
Arisaema dracontium -Green Dragon
Asclepias quadrifolia -Four-Leaf Milkweed
Asplenium platyneuron -Ebony Spleenwort
Asplenium rhizophyllum -Walking Fern
Asplenium trichomanes -Maidenhair Spleenwort
Asplenium ruta-muraria -Wall-Rue Spleenwort
Aster macrophyllus -Bigleaf Aster
Aster divaricatus -White Wood Aster
Athyrium filix-femina var. *asplenioides* -So. Lady Fern
Berberis vulgaris -Common Barberry
Botrychium virginianum -Rattlesnake Fern
Botrychium lanceolatum -Lance-Leaf Grape-Fern
Botrychium multifidum -Leathery Grape-Fern
Campanula rotundifolia -Harebell
Cardamine concatenata -Cut-Leaf Toothwort
Carex rosea -Sedge
Carex amphibola var. *turgida* -Sedge
Carex hirtifolia -Sedge
Carex laxiflora var. *laxiflora* -Sedge
Carex sparganioides -Sedge
Carex albursina -Sedge
Carex intumescens -Sedge
Carex sprengelii -Sedge
Carya ovata -Shagbark Hickory
Caulophyllum giganteum -Blue Cohosh
Celastrus scandens -American Bittersweet
Circaea lutetiana -Enchanter's Nightshade
Collinsonia canadensis -Richweed
Cornus alternifolia -Green Osier
Cryptotaenia canadensis -Honewort
Cypripedium parviflorum -Yellow Ladyslipper
Cystopteris fragilis -Fragile Fern
Cystopteris bulbifera -Bulblet Fern
Deparia acrostichoides -Silvery Spleenwort
Desmodium nudiflorum -Tick-Trefoil
Diervilla lonicera -Bush Honeysuckle

Dryopteris marginalis -Marginal Wood Fern
Dryopteris intermedia -Fancy Fern
Dryopteris carthusiana -Spinulose Wood Fern
Epipactis helleborine -Helleborine
Eupatorium rugosum -White Snakeroot
Festuca subverticillata -Nodding Fescue
Fraxinus americana -White Ash
Fraxinus nigra -Black Ash
Galium lanceolatum -Wild-Licorice
Galium asprellum -Rough Bedstraw
Galium circaezans -Wild-Licorice
Geranium maculatum -Wild Geranium
Geranium robertianum -Herb-Robert
Hamamelis virginiana -Witch-Hazel
Hepatica nobilis var. *obtusata* -Sharp-Lobed Hepatica
Hesperis matronalis -Dame's-Rocket
Houstonia caerulea -Bluets
Hybanthus concolor -Green Violet
Hydrophyllum virginianum -Virginia Waterleaf
Impatiens capensis -Spotted Jewelweed
Iris versicolor -Blue Flag
Juniperus virginiana -Eastern Red Cedar
Laportea canadensis -Wood-Nettle
Lindera benzoin -Spicebush
Lobelia siphilitica -Great Lobelia
Lonicera dioica -Wild Honeysuckle
Luzula campestris -Common Wood-Rush
Lycopodium digitatum -Running Pine
Lysimachia ciliata -Fringed Loosestrife
Lysimachia nummularia -Moneywort
Lythrum salicaria -Purple Loosestrife
Maianthemum racemosum -False Solomon's-Seal
Maianthemum canadense -False Lily-Of-The-Valley
Matteuccia struthiopteris -Ostrich Fern
Melilotus officinalis -Yellow Sweet-Clover
Menispermum canadense -Moonseed
Mitchella repens -Partridge-Berry
Mitella diphylla -Coolwort
Moehringia lateriflora -Grove Sandwort
Nuphar microphylla -Small Yellow Pondlily
Onoclea sensibilis -Sensitive Fern
Ornithogalum umbellatum -Star-Of-Bethlehem
Osmorhiza longistylis -Anise-Root
Osmorhiza claytonii -Sweet Jarvil
Osmunda claytoniana -Interrupted Fern
Ostrya virginiana -Hop Hornbeam
Oxalis stricta -Lady's-Sorrel
Panicum latifolium -Panic Grass
Pellaea atropurpurea -Purple Cliff Brake
Phalaris arundinacea -Reed Canary-Grass
Pilea fontana -Emerald-Fruited Clearweed
Pinus strobus -White Pine
Podophyllum peltatum -May-Apple
Polygala paucifolia -Fringed Milkwort

Polygonatum biflorum -Solomon's-Seal
Polygonum virginianum -Jumpseed
Polypodium virginianum -Rock Polypody
Polystichum acrostichoides -Christmas Fern
Potentilla argentea -Silvery Cinquefoil
Prunus serotina -Black Cherry
Prunus virginiana -Choke-Cherry
Pyrola sp. - Pyrola
Quercus alba -White Oak
Quercus rubra -Red Oak
Quercus velutina -Black Oak
Quercus bicolor -Swamp White Oak
Ranunculus sceleratus -Cursed Crowfoot
Ranunculus abortivus -Kidney-Leaf Crowfoot
Rhamnus cathartica -Common Buckthorn
Rhus aromatica -Fragrant Sumac
Ribes sp. - Currant
Rosa multiflora -Multiflora Rose
Rosa palustris -Swamp Rose
Rosa carolina -Pasture Rose
Rubus occidentalis -Black Raspberry
Rubus pensilvanicus -Highbush Blackberry
Rubus idaeus -Purple Wild Raspberry
Sambucus racemosa -Red Elderberry
Sanguinaria canadensis -Bloodroot
Sanicula marilandica -Black Snakeroot
Sanicula odorata -Sanicle
Saxifraga virginiana -Early Saxifrage
Selaginella rupestris -Rock Spikemoss
Silene antirrhina -Sleepy Catch-Fly
Smilax herbacea -Jacob's-Ladder
Solanum dulcamara -Trailing Nightshade
Solidago flexicaulis -Zig-Zag Goldenrod
Solidago caesia -Wreath Goldenrod
Spirodela polyrrhiza -Giant Duckweed
Staphylea trifolia -Bladdernut
Stellaria graminea -Common Stitchwort
Thalictrum pubescens -Tall Meadow-Rue
Thalictrum dioicum -Early Meadow-Rue
Thalictrum thalictroides -Rue Anemone
Thelypteris noveboracensis -New York Fern
Tilia americana -Basswood
Toxicodendron radicans -Poison Ivy
Trillium grandiflorum -White Trillium
Tsuga canadensis -Hemlock
Ulmus rubra -Slippery Elm
Uvularia perfoliata -Strawbell
Viburnum acerifolium -Maple-Leaf Viburnum
Viburnum rafinesquianum -Downy Arrow
Viola palmata -Early Blue Violet
Viola affinis -Yellow Violet
Vitis aestivalis -Summer Grape
Zanthoxylum americanum -Prickly Ash

Spring Pond Bog Field Trip Species List

June 28, 2003, Alphabetical by species.

Species List from Teaching Bog

Carex oligosperma-Sedge
Carex pauciflora-Sedge
Carex paupercula-Sedge
Carex trisperma-Sedge
Carex spp.-Sedge
Chamaedaphne calyculata-Leatherleaf
Eriophorum vaginatum-Hare's-Tail
Kalmia angustifolia-Sheep Laurel
Larix laricina-Larch / Tamarack
Maianthemum trifolium-False Solomon's-Seal
Picea glauca-White Spruce
Platanthera blephariglottis-White Fringed Orchid
Rhododendron groenlandicum-Labrador Tea
Sarracenia purpurea-Pitcher-Plant

Species List from Esker

Abies balsamea-Balsam Fir
Acer rubrum-Red Maple
Acer saccharum-Sugar Maple
Acer pensylvanicum-Striped Maple
Amelanchier arborea-Shadbush
Apocynum cannabinum-Indian Hemp
Aralia nudicaulis-Wild Sarsaparilla
Betula papyrifera-Paper Birch
Brachyelytrum erectum-Bearded-Shorthusk
Cornus canadensis-Bunchberry
Dalibarda repens-False-Violet
Danthonia spicata-Poverty-Grass
Gaultheria procumbens-Wintergreen
Kalmia angustifolia-Sheep Laurel
Larix laricina-Larch / Tamarack
Linnaea borealis-Twinflower
Nemopanthus mucronatus-Mountain Holly
Oryzopsis canadensis-Canada Ricegrass
Picea mariana-Black Spruce
Pinus strobus-White Pine
Populus grandidentata-Big-Toothed Aspen
Pteridium aquilinum-Northeastern Bracken Fern
Rubus pensilvanicus-Highbush Blackberry
Salix sp.-Willow
Schizachne purpurascens-False Melic
Vaccinium angustifolium-Lowbush Blueberry
Viburnum nudum var. *cassinoides*-Withe-Rod

Species list from Main Bog

Andromeda glaucophylla-Bog Rosemary
Betula glandulosa-Dwarf Birch

Brasenia schreberi-Water-Shield
Carex exilis-Sedge
Carex oligosperma-Sedge
Carex pauciflora-Sedge
Carex limosa-Sedge
Chamaedaphne calyculata-Leatherleaf
Drosera rotundifolia-Sundew
Eriophorum vaginatum-Hare's-Tail
Eriophorum vaginatum-Hare's-Tail
Iris versicolor-Blue Flag
Kalmia angustifolia-Sheep Laurel
Larix laricina-Larch / Tamarack
Nuphar sp.-Yellow Pondlily
Picea mariana-Black Spruce
Platanthera blephariglottis-White Fringed Orchid
Rhododendron groenlandicum-Labrador Tea
Rhynchospora alba-White Beakrush
Sarracenia purpurea-Pitcher-Plant
Scheuchzeria palustris-Pod-Grass
Utricularia cornuta-Horned Bladderwort
Vaccinium macrocarpon-Large Cranberry
Vaccinium oxycoccos-Small Cranberry

Sandstone Pavement Barrens Field Trip Species List

Species list compiled by Ken Adams. List represents all species currently reported from the Altona sandstone pavement barrens including August 9, 2003. Alphabetical by plant family then by species.

Vascular Plants of Cobblestone Forests

Acer pensylvanicum-Striped Maple
Acer rubrum-Red Maple
Acer saccharum-Sugar Maple
Acer spicatum-Mountain Maple
Rhus radicans-Poison Ivy
Apocynum androsaemifolium-Spreading Dogbane
Arisaema triphyllum-Jack-In-The-Pulpit
Aralia nudicaulis-Wild Sarsaparilla
Panax quinquefolius-Ginseng
Panax trifolius-Dwarf Ginseng
Asarum canadense-Wild Ginger
Aster acuminatus-Sharp-Leaved Aster
Aster cordifolius-Heart-Leaved Aster
Aster schreberi-Schreber's Aster
Eupatorium rugosum-White Snakeroot
Solidago caesia-Blue-Stemmed Goldenrod
Caulophyllum thalictroides-Blue Cohosh
Betula alleghaniensis-Yellow Birch
Betula papyrifera-White Birch

Betula populifolia-Gray Birch
Corylus cornuta-Beaked Hazelnut
Ostrya virginiana-Hophornbeam
Hackelia virginiana-Stickseed
Diervilla lonicera-No. Bush-Honeysuckle
Lonicera canadensis-Canada Honeysuckle
Viburnum acerifolium-Mapleleaf Viburnum
Viburnum alnifolium-Hobblebush
Celastrus orbiculatus-Asiatic Bittersweet
Cornus canadensis-Bunchberry
Cornus rugosa-Roundleaf Dogwood
Equisetum hiemale-Rough Horsetail
Equisetum pratense -Meadow Horsetail
Gaultheria procumbens-Teaberry
Fagus grandifolia-American Beech
Quercus rubra-Red Oak
Corydalis sempervirens-Pink Corydalis
Dicentra cucullaria-Dutchman's-Breeches
Hamamelis virginiana-Common Witch-Hazel
Hydrophyllum virginianum-Virginia Waterleaf
Carya cordiformis-Bitternut Hickory
Juglans cinerea-Butternut
Blephilia hirsuta-Hairy Wood Mint
Menta piperita-Peppermint
Clintonia borealis-Clintonia
Erythronium americanum-Trout-Lily
Maianthemum canadensis-Canada Mayflower
Polygonatum pubescens-Solomon's-Seal
Smilacina racemosa-False Solomon's-Seal
Trillium erectum-Red Trillium
Trillium grandiflorum-White Trillium
Trillium undulatum-Painted Trillium
Uvularia grandiflora-Lg. Flower. Bellwort
Uvularia perfoliata-Perfoliate Bellwort
Uvularia sessilifolia-Wild Oats
Veratrum viride-False Hellebore
Diphasiastrum digitatum-Running Pine
Huperzia lucidulum-Shining Clubmoss
Lycopodium annotinum-Stiff Clubmoss
Lycopodium clavatum-Staghorn Clubmoss
Lycopodium dendroideum-Tree Clubmoss
Fraxinus americana-White Ash
Circaea quadriflora-Enchanter's Nightshade
Botrychium virginianum-Rattlesnake Fern
Cypripedium calceolus-Yellow Lady's Slipper
Cypripedium reginae-Showy Lady's-Slipper
Epipactis helleborine-Helleborine
Goodyera repens-Dwarf Rattlesnake-Plantain
Spiranthes sp.-Ladies'-Tresses
Epifagus virginiana-Beechdrops
Osmunda cinnamomea-Cinnamon Fern
Osmunda Claytoniana-Interrupted Fern
Osmunda regalis-Royal Fern
Phryma leptostachya-Lopseed

Pinus strobus-White Pine
Tsuga canadensis-Hemlock
Oryzopsis canadensis-Ricegrass
Adiantum pedatum-Maidenhair Fern
Athyrium filix-femina-Lady Fern
Athyrium thelypteroides-Silvery Spleenwort
Cystopteris bulbifera-Bulblet Fern
Dennstaedtia punctilobula-Hayscented Fern
Dryopteris cristata-Crested Fern
Dryopteris Goldiana-Goldie's Fern
Dryopteris marginalis-Marginal Woodfern
Dryopteris spinulosa-Spinulose Woodfern
Matteuccia struthiopteris-Ostrich Fern
Onoclea sensibilis-Sensitive Fern
Polypodium vulgare-Rock Polypody
Polystichum acrostichoides-Christmas Fern
Pteridium aquilinum-Bracken Fern
Trientalis borealis-Starflower
Monotropa hypopithys-Pinesap
Monotropa uniflora-Indian-Pipe
Actaea pachypoda-White Baneberry
Actaea rubra-Red Baneberry
Clematis virginiana-Virgin's-Bower
Hepatica acutiloba-Sharp-Lobed Hepatica
Rhamnus cathartica-Common Buckthorn
Amelanchier arborea-Downy Juneberry
Prunus pensylvanica-Fire Cherry
Prunus serotina-Black Cherry
Prunus virginiana-Choke Cherry
Rubus odoratus-Purple-Flower. Rasp.
Galium boreale-Northern Bedstraw
Galium triflorum-Fragrant Bedstraw
Mitchella repens-Partridgeberry
Populus grandidentata-Bigtooth Aspen
Populus tremuloides-Smalltooth Aspen
Salix candida-Hoary Willow
Mitella diphylla-Miterwort
Tiarella cordifolia-Foamflower
Veronica officinalis-Common Speedwell
Tilia americana-Basswood
Ulmus americana-American Elm
Ulmus rubra-Slippery Elm
Cryptotaenia canadensis-Honewort
Osmorhiza claytoni-Sweet Cicely
Zizia aptera(?)-Golden Alexanders
Urtica dioica-Stinging Nettle
Parthenocissus quinquefolia-Virginia Creeper

Vascular Plants of the Sandstone Pavement Barrens

Acer pensylvanicum-Striped Maple
Acer rubrum-Red Maple
Apocynum androsaemifolium-Spreading Dogbane
Nemopanthus mucronatus-Mountain-Holly

Aralia hispida-Bristly Sarsaparilla
Aster macrophyllus-Bigleaf Aster
Aster umbellatus-Flat-Topped White Aster
Prenanthes alba-Rattlesnake-Root
Betula papyrifera-White Birch
Betula populifolia-Gray Birch
Campanula rotundifolia-Harebell
Diervilla lonicera-Bush-Honeysuckle
Viburnum cassinoides-Wild-Raisin
Cornus canadensis-Bunchberry
Thuja occidentalis-Northern White Cedar
Carex cumulata-Clustered Sedge
Epigaea repens-Trailing Arbutus
Gaultheria procumbens-Teaberry
Gaylussacia baccata-Black Huckleberry
Kalmia angustifolia-Sheep Laurel
Vaccinium angustifolium-Late Low Blueberry
Vaccinium corymbosum-Highbush Blueberry
Quercus rubra-Red Oak
Corydalis sempervirens-Pink Corydalis
Hamamelis virginiana-Witch-Hazel
Sisyrinchium mucronatum-Blue-Eyed Grass
Stachys hyssopifolia-Hyssop Hedge Nettle
Maianthemum canadense-Canada Mayflower
Comptonia peregrina-Sweetfern
Epilobium angustifolium-Fireweed
Cypripedium acaule-Moccasin-Flower
Malaxis monophyllus var. *brachypoda*-Malaxis
Spiranthes gracilis-Slender Ladies' Tresses
Abies balsamea-Balsam Fir
Juniperus communis-Dwarf Juniper
Juniperus virginiana-Red Cedar
Picea mariana-Black Spruce
Pinus banksiana-Jack Pine
Pinus resinosa-Red Pine
Pinus rigida-Pitch Pine
Pinus strobus-White Pine
Danthonia compressa-Northern Oatgrass
Danthonia spicata-Povertygrass
Deschampsia flexuosa-Crinkled Hairgrass
Panicum acuminatum-Panic Grass
Pteridium aquilinum-Bracken Fern
Woodsia ilvensis-Rusty Woodsia
Trientalis borealis-Starflower
Aquilegia canadensis-Columbine
Coptis groenlandica-Goldthread
Amelanchier arborea-Downy Juneberry
Amelanchier stolonifera-Running Juneberry
Aronia melanocarpa-Black Chokeberry
Crataegus sp.-Hawthorn
Potentilla tridentata-Three-Toothed Cinquefoil
Rosa carolina-Pasture Rose
Rubus hispidus-Swamp Dewberry
Rubus pubescens-Dwarf Raspberry

Galium lanceolatum-Lance-Lvd Wild Licorice
Houstonia caerulea-Bluets
Salix bebbiana-Beaked Willow
Salix candida-Hoary Willow
Comandra umbellata-Bastard-Toadflax
Ribes sp.-Currant
Saxifraga virginensis-Early Saxifrage
Melampyrum lineare-Cow-Wheat
Selaginella rupestris-Rock Spikemoss

Vascular Plants of Flat Rock Wetlands

Carex hystericina- Sedge
Carex oligosperma-Nynhp Watch List
Carex rostrata- Sedge
Carex scoparia- Sedge
Carex stricta-Tussock Sedge
Dulichium arundinaceum-Three-Way Sedge
Eleocharis obtusa-Spike Rush
Eriophorum spissum-Cottongrass
Eriophorum virginicum-Tawny Cottongrass
Scirpus atrovirens-Dark Green Bulrush
Scirpus cyperinus-Wool Grass
Scirpus validus-Soft-Stem Bulrush
Drosera rotundifolia-Round-Leaved Sundew
Chamaedaphne calyculata-Leatherleaf
Calamagrostis canadensis-Blue-Joint
Glyceria canadensis- Rattlesnake Grass
Myriophyllum sp.-Water Milfoil
Iris versicolor-Blue Flag Iris
Juncus effusus-Soft Rush
Juncus tenuis-Path Rush
Lycopus americanus-Water-Horehound
Lycopus uniflorus-Water-Horehound
Scutellaria epilobifolia-Common Skullcap
Scutellaria lateriflora-Mad-Dog Skullcap
Utricularia geminiscapa-Bladderwort
Myrica gale-Sweetgale
Brasenia schreberi-Water Shield, Snot Bonnet
Nuphar variegatum-Spatterdock
Epilobium glandulosum-Northern Willow-Herb
Polygonum amphibium-Water Smartweed
Polygonum careyi-Carey's Smartweed
Potamogeton sp.-Pondweed
Potamogeton zosteriformis-Flat-Stem Pondweed
Lysimachia terrestris-Loosestrife
Anemone canadensis-Canada Anemone
Spiraea latifolia-Meadowsweet
Spiraea tomentosa-Steeplebush
Cephalanthus occidentalis-Buttonbush
Galium palustre-Marsh Bedstraw
Veronica scutellata-Marsh Speedwell
Sparganium sp.-Bur Reed
Typha latifolia-Cattail

Weedy Plants at Flat Rock

Chenopodium album-Lamb's Quarters
Chenopodium hybridum-Maple-Leaved Goosefoot
Hypericum perforatum-Common St.John's-Wort
Sedum telephium-Orpine
Berteroa incana-Hoary Alyssum
Capsella bursa-pastoris-Shepherd's Purse
Erysimum cheiranthoides-Wormseed Mustard
Lotus corniculatus-Birdfoot Trefoil
Melilotus alba-White Sweet Clover
Melilotus officinalis-Yellow Sweet Clover
Trifolium agrarium-Hop Clover
Trifolium pratense-Red Clover
Trifolium repens-White Clover
Vicia cracca-Cow-Vetch
Satureja vulgaris-Wild Basil
Epilobium angustifolium-Fireweed
Epilobium leptophyllum-Narrow-Lvd Willow-Herb
Oxalis europaea-Yellow Wood-Sorrel
Plantago lanceolata-English Plantain
Plantago major-Common Plantain
Agrostis scabra-Ticklegrass
Aristida oligantha-Three-Awn
Elymus hystrix-Bottlebrush
Poa pratensis-Kentucky Bluegrass
Polygonum careyi-Carey's Knotweed
Polygonum cilinode-Fringed Bindweed
Polygonum persicaria-Lady's Thumb
Polygonum scandens-Climbing False Buckwheat
Ranunculus acris-Common Buttercup
Fragaria virginiana-Wild Strawberry
Potentilla argentea-Silvery Cinquefoil
Potentilla norvegica-Rough Cinquefoil
Rubus allegheniensis-Blackberry
Rubus odoratus-Purple-Flowering Raspberry
Linaria vulgaris-Butter-And-Eggs
Verbascum thapsus-Common Mullein
Urtica procera-Tall Nettle

Nonvascular Plants at Flat Rock

Xanthoria elegans
Lasallia papulosa
Umbilicaria industa-Rock Tripe
Umbilicaria mammulata
Umbilicaria muhlenbergii
Evernia mesomorpha
Usnea sp.-Beard Lichen
Graphis scripta-Script Lichen
Hypogymnia sp.
Phaeocalicium curtisii-Sumac Stubble
Psilolechia lucida

Aulacomnium andropynum
Aulacomnium palustre
Bartramia pomiformis
Brachythecium sp.
Climacium dendroides-Tree Moss
Dicranum polysetum
Dicranum scoparium-Broom Moss
Dicranum sp.
Pleurozium schreberi-Schreber's Feather Moss
Fissidens sp.
Fontinalis sp.
Grimmia sp.
Hedwigia ciliata-Wire Rock Moss
Entodon seductrix
Eurhynchium ruscifforme
Ptilium crista-castrensis-Plume Moss
Thuidium delicatulum-Feather Moss
Leucobryum glaucum-Pincushion Moss
Mnium affine
Atrichum sp.
Polytrichum commune-Common Hair-Cap
Polytrichum juniperinum
Polytrichum piliferum
Tortula ruralis
Sphagnum russowii
Sphagnum teres
Sphagnum torreyanum
Pahlia nutans
Racomitrium sp.
Gymnocolea inflata

Hudson Highlands Field Trip Species List

Compiled by Bob Ingalls September 6, 2003.

Oak Hickory Slope Species List

Acalypha virginica var. *rhomboidea*-3-Seeded Mercury
Acer pensylvanicum -Striped Maple
Acer platanoides -Norway Maple
Acer rubrum -Red Maple
Acer saccharum -Sugar Maple
Actaea pachypoda -White Baneberry
Agalinis tenuifolia -Gerardia
Agrimonia gryposepala -Common Agrimony
Agrimonia rostellata -Agrimony
Agrostis perennans -Autumn Bent
Ambrosia artemisiifolia -Ragweed

Amelanchier arborea -Shadbush
Amphicarpaea bracteata -Hog-Peanut
Andropogon gerardii -Big Bluestem
Anemone virginiana -Thimbleweed
Antennaria plantaginifolia -Everlasting
Apios americana -Groundnut
Aquilegia canadensis -Wild Columbine
Arabis canadensis -Sicklepod
Aralia nudicaulis -Wild Sarsaparilla
Aralia racemosa -Spikenard
Arisaema triphyllum -Jack-In-The-Pulpit
Aristolochia serpentaria -Virginia Snakeroot
Artemisia vulgaris -Felon-Herb
Asclepias quadrifolia -Four-Leaf Milkweed
Asplenium platyneuron -Ebony Spleenwort
Aster divaricatus -White Wood Aster
Aster lateriflorus -Calico Aster
Aster linariifolius -Stiff-Leaf Aster
Aster patens -Late Purple Aster
Aster undulatus -Wavy-Leaf Aster
Berberis thunbergii -Japanese Barberry
Botrychium virginianum -Rattlesnake Fern
Brachyelytrum erectum -Bearded-Shorthusk
Bromus pubescens -Canada Brome
Carex albicans var. *albicans* -Sedge
Carex cephalophora -Sedge
Carex laxiflora -Sedge
Carex mühlenbergii -Sedge
Carex pensylvanica -Sedge
Carex radiata -Sedge
Carex rosea -Sedge
Carex scoparia -Sedge
Carex swanii -Sedge
Carex virescens -Sedge
Carpinus caroliniana -Hornbeam
Carya glabra -Pignut (Hickory)
Carya ovalis -Sweet Pignut
Carya ovata -Shagbark Hickory
Carya tomentosa -Mockernut
Ceanothus americanus -New Jersey Tea
Celastrus orbiculata -Oriental Bittersweet
Chimaphila maculata -Spotted Wintergreen
Cinna arundinacea -Stout Woodreed
Circaea lutetiana -Enchanter's Nightshade
Clinopodium vulgare -Basil
Collinsonia canadensis -Richweed
Comptonia peregrina -Sweet-Fern
Conopholis americana -Squawroot
Cornus florida -Flowering Dogwood
Coronilla varia -Crown-Vetch
Corydalis flavula -Yellow Harlequin
Corydalis sempervirens -Pink Corydalis
Corylus americana -Hazelnut
Crataegus pedicellata -Scarlet Thorn

Dennstaedtia punctilobula -Hay-Scented Fern
Deschampsia flexuosa -Common Hairgrass
Desmodium glutinosum -Sticky Tick-Clover
Desmodium nudiflorum -Tick-Trefoil
Desmodium paniculatum -Tick-Trefoil
Desmodium perplexum -Tick-Clover
Desmodium rotundifolium -Tick-Clover
Digitaria sanguinalis -Tall Crabgrass
Dryopteris carthusiana -Spinulose Wood Fern
Dryopteris intermedia -Fancy Fern
Dryopteris marginalis -Marginal Wood Fern
Elymus hystrix -Bottlebrush
Epifagus virginiana -Beech-Drops
Epilobium coloratum -Purple-Leaf Willow-Herb
Erechtites hieracifolia var. *hieracifolia* -Fireweed
Erigeron strigosus -Daisy-Fleabane
Euonymus alata -Winged Spindle-Tree
Eupatorium fistulosum -Joe-Pye-Weed
Eupatorium rugosum -White Snakeroot
Eupatorium sessilifolium -Upland Boneset
Euthamia graminifolia -Bush Goldenrod
Fagus grandifolia -American Beech
Fraxinus pennsylvanica -Green Ash
Galium aparine -Bedstraw
Galium circaezans -Wild-Licorice
Galium pilosum -Bedstraw
Galium triflorum -Sweet-Scented Bedstraw
Geranium maculatum -Wild Geranium
Hamamelis virginiana -Witch-Hazel
Hedeoma pulegioides -Mock-Pennyroyal
Helianthemum canadense -Frostweed
Helianthus divaricatus -Woodland Sunflower
Hieracium paniculatum -Hawkweed
Hieracium venosum -Rattlesnake-Weed
Hypericum perforatum -Common St. John's-Wort
Hypericum punctatum -St. John's-Wort
Impatiens capensis -Spotted Jewelweed
Juncus tenuis -Slender Yard-Rush
Juniperus virginiana -Eastern Red Cedar
Leersia virginica -Whitegrass
Lespedeza procumbens -Trailing Lespedeza
Lespedeza repens -Trailing Lespedeza
Lespedeza striata - Lespedeza
Lespedeza violacea -Lespedeza
Lobelia inflata -Indian-Tobacco
Lysimachia quadrifolia -Whorled Loosestrife
Maianthemum racemosum -False Solomon's-Seal
Medeola virginiana -Indian Cucumber-Root
Microstegium vimineum -Japanese Stiltgrass
Monotropa hypopithys -Pinesap
Monotropa uniflora -Indian-Pipe
Muhlenbergia sobolifera -Creeping Muhly
Muhlenbergia tenuiflora -Woodland Drop-Seed
Onoclea sensibilis -Sensitive Fern

Ostrya virginiana -Hop Hornbeam
Panicum boscii -Panic Grass
Panicum dichotomum -Panic Grass
Panicum rigidulum -Panic Grass
Paronychia canadensis -Forked Chickweed
Parthenocissus quinquefolia -Virginia Creeper
Plantago major -Common Plantain
Podophyllum peltatum -May-Apple
Polygonatum biflorum -Solomon's-Seal
Polygonum arifolium -Arrowleaf Tearthumb
Polygonum cespitosum -Low Smartweed
Polygonum lapathifolium -Willow-Weed
Polygonum persicaria -Lady's-Thumb
Polygonum punctatum -Water Smartweed
Polygonum sagittatum -Tearthumb
Polygonum scandens -Climbing Flase-Buckwheat
Polystichum acrostichoides -Christmas Fern
Potentilla simplex -Common Cinquefoil
Prenanthes altissima -Rattlesnake-Root
Prunella vulgaris -Self-Heal
Prunus serotina -Black Cherry
Prunus virginiana -Choke-Cherry
Pycnanthemum incanum -Mountain-Mint
Pycnanthemum tenuifolium -Mountain-Mint
Quercus alba -White Oak
Quercus coccinea -Scarlet Oak
Quercus montana -Chestnut Oak
Quercus prinoides -Dwarf Chestnut Oak
Quercus rubra -Red Oak
Ribes rotundifolium -Round-Leaf Currant
Rosa carolina -Pasture Rose
Rosa multiflora -Multiflora Rose
Rubus allegheniensis -Northern Blackberry
Rudbeckia hirta -Black-Eyed-Susan
Sanicula canadensis -Sanicle
Sassafras albidum -Sassafras
Saxifraga virginiana -Early Saxifrage
Schizachyrium scoparium -Little Blue-Stem
Silene stellata -Starry Campion
Smilax herbacea -Jacob's-Ladder
Smilax rotundifolia -Greenbrier
Solidago caesia -Wreath Goldenrod
Solidago rugosa -Rough Goldenrod
Solidago ulmifolia -Elm-Leaf Goldenrod
Sorghastrum nutans -Indian Grass
Spiraea alba var. *latifolia* -Meadow-Sweet
Thelypteris noveboracensis -New York Fern
Tilia americana -Basswood
Toxicodendron radicans -Poison Ivy
Tridens flavus -Purpletop
Triodanis perfoliata -Venus' Looking-Glass
Tsuga canadensis -Hemlock
Uvularia perfoliata -Strawbell
Vaccinium pallidum -Sugar Huckleberry

Vaccinium stamineum -Deerberry
Verbena urticifolia -White Vervain
Veronica officinalis -Speedwell
Viburnum acerifolium -Maple-Leaf Viburnum
Viburnum prunifolium -Black-Haw
Viburnum rafinesquianum -Downy Arrow
Viola palmata -Early Blue Violet
Viola sagittata -Arrow-Leaf Violet
Vitis labrusca -Fox Grape
Vitis riparia -Frost Grape
Woodsia obtusa -Blunt-Lobed Woodsia

Sand Plain Species List

Agalinis purpurea -Gerardia
Agrostis gigantea -Redtop
Alisma triviale -Water-Plantain
Aster pilosus var. *pringlei* -Heath Aster
Aster racemosus -White Aster
Betula nigra -River Birch
Betula populifolia -Gray Birch
Bidens frondosa -Beggar-Ticks
Boehmeria cylindrica -False-Nettle
Bulbostylis capillaris -Sand-Rush
Centaurea maculosa -Bushy Knapweed
Cichorium intybus -Chicory
Conyza canadensis -Horseweed
Cyperus bipartitus -Flat Sedge
Cyperus lupulinus -Flat Sedge
Cyperus strigosus -Galingale
Daucus carota -Queen-Anne's-Lace
Desmodium canadense -Giant Tick-Clover
Desmodium marilandicum -Maryland Tick-Clover
Dianthus armeria -Deptford Pink
Diodia teres -Buttonweed
Echinochloa muricata -Cockspur Grass
Elaeagnus umbellata -Oleaster
Eleocharis obtusa -Spikerush
Eleocharis palustris -Creeping Spikerush
Eleocharis tenuis -Slender Spikerush
Elymus canadensis -Canada Wild-Rye
Equisetum arvense -Common Horsetail
Equisetum hyemale -Scouring Rush
Equisetum variegatum -Variegated Horsetail
Eragrostis pectinacea -Lovegrass
Gnaphalium obtusifolium -Catfoot
Hypericum canadense -Canadian St. John's-Wort
Hypericum mutilum -Dwarf St. John's-Wort
Juncus canadensis -Canada Rush
Juncus effusus -Common Rush
Leersia oryzoides -Rice Cutgrass
Lespedeza capitata -Bush-Clover
Lotus corniculata -Bird's-Foot Trefoil
Ludwigia palustris -Water Purslane

Lycopus uniflorus -Water-Horehound
Lythrum salicaria -Purple Loosestrife
Muhlenbergia frondosa -Wirestem Muhly
Muhlenbergia sylvatica -Woodland Dropseed
Oenothera biennis -Common Evening-Primrose
Panicum virgatum -Switchgrass
Phragmites australis -Common Reed
Plantago lanceolata -Buck-Horn Plantain
Populus deltoides -Cottonwood
Populus tremuloides -Quaking Aspen
Rhynchospora capillacea -Beakrush
Robinia pseudoacacia -Black Locust
Salix atrocinerea -Ashy Willow
Salix eriocephala -Stiff Willow
Salix lucida -Shining Willow
Scirpus atrovirens -Bulrush
Scirpus cyperinus -Woolgrass
Scutellaria lateriflora -Mad-Dog Skullcap
Solidago bicolor -White Goldenrod
Solidago canadensis -Canada Goldenrod
Solidago juncea -Early Goldenrod
Solidago nemoralis -Rough Goldenrod
Spiranthes cernua -Nodding Lady's-Tresses
Trichostema dichotomum -Bastard-Pennyroyal
Trifolium arvense -Rabbit's-Foot Clover
Trifolium pratense -Red Clover
Veronica scutellata -Marsh Speedwell

**More photographs from these trips may be
 seen at www.nyflora.org/trips**



Spider Barbour and Dick Mitchell, Hudson Highlands trip leaders.

More on New York State Local Plant Groups

Thursday Naturalists History

by Ruth Schottman

In the 1960s Schenectady Public schools offered day-time adult education courses. These included Geology taught by Marie Lambert and Natural History and Ecology taught by Nancy Slack. Geology was taught mainly in the field and introduced us to many fascinating local places. The students were mostly young women, sometimes dubbed "delinquent mothers", who found intellectual stimulation, outdoor activity and camaraderie on Thursday mornings. After three years Marie bid us farewell and suggested we continue on our own. We tried to interpret landscape without Marie's guidance but found ourselves drifting towards general natural history, especially plants. This wider field could be pursued at our non-expertise level more satisfactorily. We tended even more towards plants when alumni of Nancy Slack's courses joined us. After Nancy left for England, then graduate school and a teaching position at Russel Sage, I, who had been asked to substitute for her for a year, continued to teach adults and invited my seriously interested students to come with us on Thursdays. There is usually no formal curriculum and no teacher. A coordinator is in charge of making a field trip schedule from various suggestions. Often this job is given to a new member as an initiation! Through the years our activities have changed as we have. There were some very ambitious years when we engaged in special studies from bryophytes and grasses to ants and fungi. Sometimes we invited specialist teachers. Some of our members became amateur "experts." We went on extended field trips to northern NY shale barrens, Cornell Plantations, Garden-in-the-Woods and other places that required overnight stays. A few of the original members are still alive, in the area and active. We have been joined by retired men as well as women and meet throughout the year. Spring and fall bring out most members. During winter we often pursue natural history topics indoors, though some of us outdoor enthusiasts continue field trips. Those who are here in summer have become better acquainted with summer bloomers. Anyone with free Thursday mornings, enthusiasm and some background in natural history is welcome to join us. Those lacking background should check with ECOS (Environmental Clearinghouse of Schenectady) or Nature Centers in the area. Our present coordinator is Sheila Daniels 864-5689.

Perennially all-female botany club accepts a guy

By Dick Case

Post-Standard Columnist, Syracuse. Reprinted by permission.

Would you believe that Syracuse has at least three clubs that have been meeting more than 100 years? Or that two of them are 128 and counting? Or that all three hadn't signed up a man during all that time? Until this year? The man with the milestone imprinted on his history is my friend Gordon DeAngelo, of Chittenango. Gordon's a gifted avocational archaeologist and historian (read "amateur"). He's retired as senior landscape architect at the state Department of Transportation in Syracuse. Gordon tells me he recently was accepted as a full member of Syracuse Botanical Club. The club's been with us since 1879. Until this year, all members were women.

Men had been welcomed as "corresponding members." Those ranks included such world-class botanists as Asa Gray, Charles Darwin and the Rev. William Beauchamp, the Episcopal priest and historian.

"They had to change the bylaws," Gordon explains.

At 124, the botanists are the young folks of our century clubs. Two others, the Portfolio Club and Social Arts Club, were founded in 1875.

Syracuse Botanical Club is devoted to studying plants in the fields and woods of Central New York. It originated in 1872, when "a few well-known ladies of Syracuse interested in the study of botany" formed a class with Mary Olivia Rust.

Early on, it was "Rust Botanical Club." When the group formally organized in 1879, the present name was adopted. There were 23 charter members. Today there are about 35 on the rolls, according to Debbie Shanahan, the current president.

Gordon DeAngelo and his wife, Barbara, a retired school-teacher, own a copy of a club rarity, "The Flora of Onondaga County," a magnum opus of more than 200 pages assembled by Leonora Goodrich, president of the club in 1912.

The DeAngelos located a large file of Botanical Club materials at Onondaga Historical Association.

The botanists were advised "to carry scissors to cut (specimen) blooms rather than rudely pulling up plants." In 1930, the club sponsored an amendment to the state conservation law passed by the Legislature. It dropped legal sanctions on people who "cut down, girdle or otherwise injure or destroy" precious plants.

These days, Debbie Shanahan says, the club meets inside November through April, then begins a series of monthly field trips that key on specific plants and annual inventories. This year, for instance, there were treks to Baltimore Woods, Labrador Pond, Oswego and Clark Reservation, among other interesting places.

"We also did an inventory of the rare plants near Fremont Bowling Alley," Debbie explains with a laugh. The alley's next to a marl fen.

Syracuse Botanical welcomes new members and field trip guests. Members have been gathering at Soule Library near Le Moyne College on the first Monday of the month for years. Starting in March, they plan to meet at DeWitt Community Library in ShoppingTown.

The DeAngelos came into the club at the invitation of their friend Ida Kimber before her death, Barbara first, then Gordon. So far, Gordon's the only guy, although Debbie Shanahan says others may inquire.

Gordon's hoping that happens. "It's a sort of lonely place."

Have you seen *Nicotiana*?

I am trying to find out if naturalized populations of *Nicotiana* species grow in the Northeastern US (or anywhere on the east coast). *Nicotiana alata*, *N. longiflora* and *N. rustica* are possibilities. The first 2 are garden escapees and the third is an agricultural crop. I am trying to find folks who could tell me whether they have actually seen these or any *Nicotiana* growing wild. If so, I'd like to know where, and in what approximate density (3 plants? 100 plants? more?). Any observations about who was pollinating or eating the plants would also be enormously helpful.

If you have suggestions of other people to contact, I'd appreciate that information as well.

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More News . . .

Patricia Eckel reports:

The posted bibliographic catalogue of the vascular plant species of the vicinity of Niagara Falls has just been augmented by the addition of the following pieces of information:

1. species data from the Buffalo Field Naturalist's Club, archives of the Research Library, Buffalo Museum of Science, are provided. This data pertains to localities on both sides of the Niagara River (New York State and the Province of Ontario) from the late 19th and early 20th centuries.
2. sight records by Gus Yaki for localities on the Canadian side of the river have been provided.
3. All specimens from the herbarium of the Niagara Parks School of Horticulture, Ontario, (NFO) have been included (as of the early 1990s).
4. All of the specimens relevant to the flora of Niagara Falls curated at the Clinton Herbarium (BFO), of the Buffalo Museum of Science up to the 1990s have been included.

Discussions of rarity and state and provincial occurrence have been included.

It is expected that additional specimens, field notes, articles and archival information will be provided in upcoming versions during 2004.

The URL for the botanical catalogue is: <http://ridgwaydb.mobot.org/resbot/Flor/WNY-Niag/flora.htm>