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NOTES ON THE DISTRIBUTION OF PENNSYLVANIA PLANTS

BASED ON SPECIMENS IN THE

CARNEGIE MUSEUM OF NATURAL HISTORY HERBARIUM



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ABSTRACT

The herbarium of Carnegie Museum of Natural History (CM) was surveyed for new data on the distribution of Pennsylvania plants. This new information, reported on a county basis, involves over 1200 taxa in 120 plant families. Seventy-six of these taxa are presently considered to be endangered, rare, or otherwise of special concern in Pennsylvania. *Solidago curtisii*, which is officially listed as

extirpated in Pennsylvania, is reported here from localities in two counties. Eleven species in this paper were not included in the *Atlas of the Flora of Pennsylvania* (Wherry, et al., 1979), and four of these eleven species are also not listed in other Pennsylvania floristic works. These species are *Aster drummondii*, *Carex nebraskensis*, *Festuca arundinacea*, and *Scrophularia nodosa*.

INTRODUCTION

The *Atlas of the Flora of Pennsylvania* (Wherry, et al., 1979), which contains distribution maps for all species, is the only modern comprehensive treatment of the Pennsylvania flora. The authors of this work surveyed major herbaria in Pennsylvania, including Carnegie Museum of Natural History (CM), and their distribution maps are based on localities recorded from herbarium specimens. This atlas claims to be complete, stating that (pg. vii) "...when a particular species is not shown on our distribution maps, it may be reasonably supposed that it does not occur there..."

The inclusion of data from CM specimens in this work, however, was apparently discontinued

about ten years prior to its publication. During this period in the late 1960's and 1970's, botanists and collectors associated with CM, especially L. K. Henry (former Curator of the Section of Botany) and W. E. Buker, collected extensively in western Pennsylvania with the specific goal of filling in gaps in the distributional records of Pennsylvania plants.

Thus, much information on the ranges of plants in Pennsylvania remained unreported. The list presented here gives distributional records on a county basis, which were extracted by examining the approximately 200,000 plant specimens from Pennsylvania in the CM collection.

METHODS

All plant specimens in the CM herbarium were surveyed and compared against the known distributions of plant taxa in Pennsylvania as mapped in Wherry, et al. (1979). As a convenient unit, data were recorded for each county in which a given taxon had not been previously reported as occurring. These data were also compared with more recent literature on the flora of Pennsylvania (Boone, 1983; Henry, 1974, 1978; Henry and Buker, 1964a, 1964b; Henry, et al., 1975; Jolley, 1978; Knapich, 1986; Kunsman and Keener, 1986; Montgomery, 1983; Newbold, 1978; Newbold and Holt, 1986; Overlease, 1986; Pearth, 1966, 1975; Rhoads, 1985; Schuyler, 1979; Utech, 1980; Witherup and Medve, 1984).

The resulting list thus contains distributional data for Pennsylvania plants in the form of

occurrences in any county in which a given species had not been reported in published floristic works. For each county listed for each taxon, locality information, collector, and collector's number are cited. The locality data are abbreviated; mileage of two miles or less from a geographic place name and cardinal directions with no mileage specified were eliminated unless that information was critical in placing a locality within a particular county or within Pennsylvania. If the collector did not use collection numbers, which occurred for most specimens, the CM sheet number is cited in parentheses following the collector's name. In instances of more than one specimen from a county with no previous record in the literature for that taxon, one specimen is cited with collector data, and only locality

information is listed for other specimens.

The family sequence of this list generally follows that of Wherry, et al. (1979). Nomenclature follows the list produced for the Pennsylvania Flora Database project at Morris Arboretum (Rhoads and Fogarasi, no date); names used in Wherry, et al. (1979) appear in

brackets if they differ from that list. For those taxa which were not originally mapped in the Atlas, additional comments are also found in brackets following the taxon name. Taxa marked with an asterisk (*) appear on the most recent list of Plants of Special Concern in Pennsylvania (Pennsylvania Rare Plant Committee, 1988).

DISCUSSION AND SUMMARY

The following list contains much information on the distribution of the Pennsylvania flora, which previously was not readily available. Almost 2900 new county records are contained in this list involving over 1200 taxa in 120 plant families. As might be expected, large plant families which are well represented in the Pennsylvania flora have the highest number of taxa. New data are reported for 134 taxa of Asteraceae (11% of the total number of taxa), followed by Cyperaceae (8.5%), Poaceae (7.1%), Rosaceae (6.5%), Fabaceae (4.8%), and Lamiaceae (3.6%).

Data are included here for all counties in Pennsylvania, with the exception of Montgomery and Philadelphia counties, for which there were no specimens in CM of plants not already known to occur in those counties. However, most of the counties listed are in western Pennsylvania, which was for many years the focus of plant collecting efforts emanating from Carnegie Museum of Natural History. Counties with new data cited most often include Washington (6.2% of the total new county records), Lawrence (5.8%), Crawford (5.1%), Erie (4.8%), Warren (4.7%), Cameron (4.7%), Fayette (4.5%), and Beaver (4.2%).

Most of the data reported here is a direct result of fieldwork aimed specifically at documenting the flora of western Pennsylvania. Almost 35% of the specimens cited were collected by W. E. Buker, either alone or in conjunction with others, especially L. K. Henry. However, some of the additional county distributions have resulted from re-determinations of specimens examined by Wherry, Fogg, or Wahl during preparation of the Atlas, but which were misidentified at that time.

Seventy-six species in this list are considered to be endangered, rare, or otherwise of special concern in Pennsylvania (Pennsylvania Rare Plant Committee, 1988). Although distributional data for these taxa have been recorded for the Pennsylvania Natural Diversity Inventory, the information on these species reported here has not previously been made available to a wider scientific audience.

Eleven species cited here were not listed as occurring in Pennsylvania by Wherry, et al. (1979) and six of these are also not listed in Pennsylvania floristic works other than the unpublished list of Plants of Special Concern in Pennsylvania (Pennsylvania Rare Plant Committee, 1988) (Table 1). *Viola nephrophylla* and *Stachys nuttallii* are listed both as new county records and as plants of special concern. Four species are reported here apparently for the first time as occurring in Pennsylvania: *Aster drummondii*, *Carex nebraskensis*, *Festuca arundinacea*, and *Scrophularia nodosa*. The previous citation of *Solidago curtisii* in Pennsylvania (Henry, 1978) was based on a misidentified specimen. That species is officially listed as extirpated in Pennsylvania and the specimens in this list are the first accurate reports of its occurrence in the state.

Much of the data reported here concerns plants of more widespread distribution in Pennsylvania, and thus serves to provide specimen-based documentation for occurrences in areas where these taxa might have been expected to be found. Fifty-two species are now known from all Pennsylvania counties (Table 2).

Table 1.--Species in list presented here which were not mapped in Wherry, et al. (1979). Those marked with an asterisk (*) are also not listed in other published works on the Pennsylvania flora.

Family	Species
Polypodiaceae	<i>Cystopteris x laurentiana</i> (Weath.) Blasd.
Poaceae	* <i>Festuca arundinacea</i> Schreb.
Cyperaceae	* <i>Carex nebraskensis</i> Dewey
Lemnaceae	<i>Lemna turionifera</i> Landolt <i>Wolffia brasiliensis</i> Weddell
Violaceae	* <i>Viola nephrophylla</i> Greene
Lamiaceae	* <i>Stachys nuttallii</i> Shuttlew. ex Benth.
Schrophulariaceae	* <i>Scrophularia nodosa</i> L.
Asteraceae	* <i>Aster drummondii</i> Lindl. <i>A. praealtus</i> Poir. <i>Solidago curtisii</i> (Torr.) Gray

Table 2.--Species which occur in all Pennsylvania counties. Those marked with an asterisk (*) are based on records included in this list as well as other references in addition to Wherry, et al. (1979).

Family	Species
Equisetaceae	<i>Equisetum arvense</i> L.
Ophioglossaceae	<i>Botrychium virginianum</i> (L.) Sw.
Osmundaceae	<i>Osmunda cinnamomea</i> L. <i>O. claytoniana</i> L.
Polypodiaceae	<i>Adiantum pedatum</i> L. <i>Athyrium filix-femina</i> (L.) Roth var. <i>angustum</i> (Willd.) Lawson <i>Dennstaedtia punctilobula</i> (Michx.) T. Moore <i>Dryopteris intermedia</i> (Willd.) Gray <i>D. marginalis</i> (L.) Gray <i>Onoclea sensibilis</i> L. <i>Polypodium virginianum</i> L. <i>Polystichum acrostichoides</i> (Michx.) Schott <i>Pteridium aquilinum</i> (L.) Kuhn <i>Thelypteris noveboracensis</i> (L.) Nieuwl.
Pinaceae	<i>Tsuga canadensis</i> (L.) Carr.

Table 2. (cont.)

Family	Species
Poaceae	<i>Agrostis perennans</i> (Walt.) Tuckerm. * <i>Danthonia spicata</i> (L.) Beauv. ex R. & S. <i>Festuca pratensis</i> Huds. <i>Glyceria striata</i> (Lam.) A.S. Hitchc. <i>Dicanthelium acuminatum</i> (Sw.) Gould & Clark var. <i>fasciculatum</i> (Torr.) Freckman [<i>Panicum implicatum</i> Scribn.] <i>Phleum pratense</i> L. * <i>Poa compressa</i> L.
Betulaceae	* <i>Carpinus caroliniana</i> Walt.
Fagaceae	* <i>Quercus alba</i> L. * <i>Q. montana</i> Willd. [<i>Q. prinus</i> L.]
Polygonaceae	<i>Rumex acetosella</i> L.
Ranunculaceae	<i>Thalictrum pubescens</i> Pursh
Fabaceae	* <i>Melilotus alba</i> Desr. ex Lam.
Geraniaceae	* <i>Geranium maculatum</i> L.
Aceraceae	<i>Acer rubrum</i> L.
Balsaminaceae	<i>Impatiens capensis</i> Meerb.
Hypericaceae	* <i>Hypericum mutilum</i> L. * <i>H. perforatum</i> L.
Araliaceae	* <i>Aralia nudicaulis</i> L.
Ericaceae	* <i>Gaultheria procumbens</i> L.
Verbenaceae	<i>Verbena hastata</i> L.
Lamiaceae	<i>Lycopus americanus</i> Muhl. ex Bart. * <i>Prunella vulgaris</i> L. <i>Clinopodium vulgare</i> L. [<i>Satureja vulgaris</i> (L.) Fritsch var. <i>neogaea</i> Fern.]
Scrophulariaceae	* <i>Mimulus ringens</i> L. <i>Veronica officinalis</i> L.
Plantaginaceae	<i>Plantago lanceolata</i> L.
Rubiaceae	<i>Galium triflorum</i> Michx. * <i>Mitchella repens</i> L.
Caprifoliaceae	<i>Sambucus canadensis</i> L. <i>Viburnum acerifolium</i> L.
Asteraceae	<i>Achillea millefolium</i> L. * <i>Eupatorium rugosum</i> Houtt. * <i>Galinsoga quadriradiata</i> R. & P. <i>Hieracium caespitosum</i> Dumont [<i>H. pratense</i> Tausch] * <i>Solidago juncea</i> Ait. * <i>S. nemoralis</i> Ait.

LIST OF NEW COUNTY RECORDS

PTERIDOPHYTA

LYCOPODIACEAE

Lycopodium inundatum L. -- CAMERON: Piper to Medix Run [Buker (892)]; also Sinnemahoning-Piper.

Lycopodium lucidulum Michx. -- GREENE: 4 mi N of Ryerson [Buker & Leightner (896)].

Lycopodium obscurum L. var. *dendroideum* (Michx.) D.C. Eat. -- FULTON: Sideling Hill [Buker (1315)]; also Salem. MERCER: 5 mi SW of Sandy Lake [Henry & Erdman (1287)].

Lycopodium tristachyum Pursh -- FULTON: Sideling Hill [Buker (1438)]. GREENE: Mt. Morris [Henry & Beer (1437)]. LAWRENCE: Plain Grove [Buker (254184)].

OPHIOGLOSSACEAE

Ophioglossum pusillum Raf. [*O. vulgatum* L. var. *pseudopodium* (Blake) Farw.] -- BUTLER: Zelienople [Lochner (320242)]. CENTRE: Port Matilda [Harpster (202095)].

POLYPODIACEAE

Asplenium platyneuron (L.) B.S.P. -- WARREN: Akeley [Grisez (3540)].

Athyrium filix-femina (L.) Roth var. *asplenioides* (Michx.) Farn. [*A. asplenioides* (Michx.) Eat.] -- CAMERON: 3 mi N of Emporium [Henry & Buker (4077)]. WARREN: 4.3 mi S of Corydon [Henry (4045)].

Cystopteris bulbifera (L.) Bernh. -- CRAWFORD: 6 mi E of Cambridge Springs [Stull & Stull (4363)].

Cystopteris fragilis (L.) Bernh. -- CRAWFORD: Saegertown [Buker (4424)].

**Cystopteris x laurentiana* (Weath.) Blasd. [Species not listed in Wherry, et al. (1979), but cited in Henry and Buker (1964b) from Centre County (as *C. fragilis* var. *laurentiana*).] -- BUTLER: Portersville Station [Henry (4400)].

Cystopteris protrusa (Weath.) Blasd. -- JEFFERSON: Rathmel [Buker (4510)].

Diplazium pycnocarpon (Spreng.) Broun [*Athyrium pycnocarpon* (Spreng.) Tidestr.] -- CLINTON: 3 mi S of Renovo [Buker (2482)].

Dryopteris cristata (L.) Gray -- WASHINGTON: Bavington [Buker (4911)].

Dryopteris goldiana (Hook.) Gray -- BUTLER: Jennings Nature Reserve [Lochner (5032)]. WASHINGTON: Bavington [Buker (4984)]; also Buffalo Creek at PA 331.

Gymnocarpium dryopteris (L.) Newm. -- BUTLER: Bruin [Lochner (5988)]. CAMERON: 10 mi from Sinnemahoning [Buker (5987)]. FOREST: Endeavor [Leberman (5986)].

Matteuccia struthiopteris (L.) Todaro [*M. pensylvanica* (Willd.) Raym.] -- FOREST: Henrys Mills [Grisez 701].

Thelypteris hexagonoptera (Michx.) Weath. [*Phegopteris hexagonoptera* (Michx.) Fee] -- McKEAN: 10 mi NW of Marshburg [Buker (7182)]. POTTER: Clara [Jolley (202075)].

Thelypteris phegopteris (L.) Slosson [*P. connectilis* (Michx.) Watt] -- ARMSTRONG: Parkers Landing [Buker (7332)]. BEAVER: Wallace Run [Kennedy (7331)]. FAYETTE: Ohiopyle [Louden (7320)].

Woodwardia virginica (L.) Sm. -- FOREST: Marienville [Grisez 506].

SPERMATOPHYTA - GYMNOSPERMAE

PINACEAE

Abies balsamea (L.) P. Mill. -- CLEARFIELD: Olanta [Henry (7987)].

Larix laricina (DuRoi) K. Koch -- ERIE: Union City [Henry & Buker (8071)]; also Waterford. JEFFERSON: Sigel [Henry (8070)]. POTTER: Coudersport [Eimer (8094)]; also headwaters of Allegheny River.

Picea abies (L.) Karst. -- CUMBERLAND: Pine Grove Furnace (cultivated) [White (cone collection)]. WESTMORELAND: Rector [Henry (cone collection)].

Picea rubens Sarg. -- BUTLER: Cooperstown ("probably planted") [Black (8119)]. McKEAN: Hazelhurst [Grisez 381].

Pinus banksiana Lamb. -- FULTON: Harrisonville [Henry & Buker (8135)].

Pinus resinosa Ait. -- BUTLER: 7 mi N of Butler [Henry (8178)].

Pinus rigida P. Mill. -- POTTER: Cross Fork and Windfall Run [Graham (8243)].

Pinus virginiana P. Mill. -- CAMBRIA: Johnstown [Jennings (8505)]. GREENE: Paisley [Henry & Buker (8512)]. POTTER: Austin [Eimer (8525)].

CUPRESSACEAE

Juniperus virginiana L. -- SOMERSET: Glencoe [Graham (8043)].

TAXACEAE

Taxus canadensis Marsh. -- VENANGO: 4 mi NW of Cooperstown [Henry (7937)]; also Scrubgrass Township; Utica.

SPERMATOPHYTA - ANGIOSPERMAE

TYPHACEAE

Typha angustifolia L. -- FOREST: 6 mi NE of Mayburg [Henry (8555)]. GREENE: 3.6 km SSW of West Finley [Thompson, et al. 2520]. SOMERSET: Lambertville [Jennings (8544)]. WARREN: Warren [Grisez 539]. WASHINGTON: Taylorstown [Henry & Beer (8551)]; also County Fairground.

Typha glauca Godr. -- CRAWFORD: Pymatuning Swamp [Jennings (8608)]. ERIE: Presque Isle [Bissell 1985:154].

Typha latifolia L. -- INDIANA: Blairsville [Damratoski & Blomster (10251)]

SPARGANIACEAE

**Sparganium angrocladum* (Engelm.) Morong -- CAMBRIA: Patton [Henry (8931)]; also St. Lawrence. CLARION: Clarion [Little (8932)]. CLINTON: Renovo to Haneyville [Jennings (8933)]; also Lock Haven to Vilas. CRAWFORD: Meadville [Buker (8935)]; also Conneaut Lake; Hartstown. FAYETTE: Layton [Buker (8940)]; also Normalville. INDIANA: Cherry Tree [Jennings (8941)]. JUNIATA: Richfield to Denholme [Jennings (8942)]. LYCOMING: Williamsport to Allentown [Jennings (8943)]. MERCER: 3 mi E of Jackson Center [Henry & Buker (8948)]; also London; Mercer; Wheatland; Grove City. SNYDER: Shamokin Dam to Richfield [Jennings (8949)]. SOMERSET: 2.5 mi S of Reels Corner [Henry (8950)]; also Cranberry Glade Bog; Lambertville; Mt. Davis Bog. VENANGO: Lisbon [Buker (8954)]. WAYNE: Rock Lake Church [Glowne 11474]; also Honesdale; White Oak Pond.

Sparganium angustifolium Michx. [including *S. chlorocarpum* Rydb.] -- MERCER: Jackson [Bryant, et al. 296581]. WARREN: Clarendon [Buker & Grisez (8978)].

Sparganium eurycarpum Engelm. -- JUNIATA: Richfield to Denholme [Jennings (8994)]. UNION: Lewisburg [Manning (9004)].

NAJADACEAE

Najas flexilis (Willd.) Rostk. & Schmidt -- WESTMORELAND: Donegal [Polechko (304510)]; also Armbruston; Derry; Mammoth; New Alexandria; Trauger.

**Najas gracillima* (A. Braun) Magnus -- SOMERSET: Indian Lake [Polechko (304530)]; also Humbert.

Najas minor All. -- BUCKS: Lake Galena [Eggers 85-004]. DAUPHIN: Williamstown [Berkheimer 15899]. FAYETTE: Flatwoods [Polechko (304547)]. INDIANA: Yellow Creek State Park [Polechko (unmounted)]. WESTMORELAND: New Alexandria [Polechko (304515)]; also Derry; Slickville.

POTAMOGETONACEAE

Potamogeton crispus L. -- ALLEGHENY: Fourteen Mile Island [Eggers 15]. FAYETTE: 5 mi SSE of Perryopolis [Polechko (304553)]. SOMERSET: Bakersville [Polechko (304537)]. WESTMORELAND: Bridgeport [Polechko (304514)].

Potamogeton diversifolius Raf. -- CRAWFORD: Deckard [Jennings (11070)]. FAYETTE: 5 mi SSE of Perryopolis [Polechko (304541)]; also Chalkhill; Hammondville.

Potamogeton foliosus Raf. -- BEAVER: Shippingport [Henrici (112821)]. FAYETTE: Chalkhill [Polechko (304544)]; also Mill Run. LAWRENCE: 4 mi E of New Castle [Boardman (11034)]. SOMERSET: Savage [Polechko (304525)]; also Humbert.

**Potamogeton gramineus* L. -- HUNTINGDON: Pogue [Long (12857)].

Potamogeton natans L. -- LAWRENCE: 15 mi E of New Castle [Buker (11091)]. WESTMORELAND: Armsbruston [Polechko (304524)].

Potamogeton nodosus Poir. -- FAYETTE: Champion [Polechko (304539)]. LACKAWANNA: Ransom [Glowne 11311].

**Potamogeton perfoliatus* L. var. *bupleuroides* (Fern.) Farw. -- ERIE: Erie [Van Dersal (11024)].

Potamogeton pusillus L. var. *pusillus* -- LYCOMING: Williamsport [Jennings (11009)]. WESTMORELAND: Trauger [Polechko (304509)].

Potamogeton pusillus var. *tenuissimus* Mert. & Koch [*P. bertoldii* Fieber] -- BEAVER: 3 mi W of Zelienople [Richmond (11033)].

Potamogeton spirillus Tuckerm. -- ALLEGHENY: McKees Rocks [Bright (9056)].

***Potamogeton tennesseensis** Fern. [Specimens determined by C.B. Hellquist, 1980; also one specimen from Bedford County] -- BEAVER: 5 mi NW of Midland [Buker (9103)]; also Georgetown.

***Potamogeton zosteriformis** Fern. -- BUCKS: Lake Galena [Eggers 85-008].

ZANNICHELLIACEAE

Zannichellia palustris L. var. **major** (Boenn.) Koch -- CRAWFORD: Mill Dam [Whitesides (252538)].

ALISMATACEAE

Alisma plantago-aquaticum L. var. **parviflorum** (Pursh) Torr. [*A. subcordatum* Raf.] -- TIOGA: Gaines [Jolley (265022)].

Alisma plantago-aquaticum L. var. **americanum** Schultes & Schultes [*A. triviale* Pursh] -- McKEAN: 5 mi N of Marshburg [Buker (11196)].

Sagittaria latifolia Willd. var. **latifolia** -- POTTER: Galetton [Eimer (11266)].

Sagittaria latifolia Willd. var. **pubescens** (Muhl. ex Nutt.) J.G. Sm. -- CAMERON: Emporium [Jennings (11331)]. WASHINGTON: 6 mi E of Florence [Henry & Buker (11328)].

Sagittaria rigida Pursh -- CRAWFORD: Conneaut Lake [Shafer (11374)]. SOMERSET: Jennerstown [Mulvihill (296780)]. VENANGO: Lisbon [Jennings (11348)].

HYDROCHARITACEAE

Elodea nuttallii (Planch.) St. John -- FAYETTE: 5 mi SSE of Perryopolis [Polechko (304455)]. SOMERSET: Jennerstown [Polechko (304657)]. WESTMORELAND: Crab Tree [Polechko (304609)]; also Donegal; Mt. Pleasant.

Vallisneria americana Michx. -- SOMERSET: High Point Lake [Cusick 27137]; also Humbert.

POACEAE

Agrostis capillaris L. [*A. tenuis* Sibth.] -- ALLEGHENY: Large [Roslund (10764)]. BRADFORD: 13 mi E of Canton [Westerfeld (10760)]. BUTLER: Jennings Prairie [Vogler 1-36]. ELK: Ridgway [Rood 400]. NORTHAMPTON: Easton [Garber (10762)].

Agrostis gigantea Roth [*A. alba* L.] -- LAWRENCE: 3.3 mi NW of Plain Grove [Buker (10687)].

Agrostis canina L. -- NORTHAMPTON: Easton [Porter (10755)].

Agrostis hyemalis (Walt.) B.S.P. -- BEAVER: Shippingport [Ohlsson & Crandell 3511]. BUTLER: Jennings Prairie [Vogler 2-75]. ERIE: Presque Isle [Jennings (10789)]. FOREST: Mayburg [Buker (10740)]. WASHINGTON: Burnsville [Buker (10748)]. WESTMORELAND: 3 mi S of Rector [Utech 81-515].

Alopecurus aequalis Sobol. -- ERIE: Erie [Bright (9207)]. WARREN: Topolovich Bog [Buker (114990)].

Andropogon virginicus L. -- ERIE: Lake City [Medve (11690)]. WARREN: Glade Manor [Grisez 566].

Anthoxanthum aristatum Boiss. -- SOMERSET: Bakersville [Lewis (11791)].

***Aristida curtisii** (Gray) Nash -- LANCASTER: Marticville [Herbarium Galen (11891)].

Bromus ciliatus L. -- LAWRENCE: 3 mi N of Plain Grove [Thomas 2959]; also 2.5 mi W of Eastbrook. WESTMORELAND: Ligonier [Utech 79-338].

Bromus hordeaceus L. [*B. mollis* L.] -- WARREN: North Warren [Moldenke 15643].

Bromus inermis Leyss. -- ERIE: PA 5 at Elk Creek [Buker (234078)]. SOMERSET: Scullton [Utech 84-352]. WASHINGTON: 5 mi N of Hanlin Station [Buker (234082)].

Bromus japonicus Thunb. ex Murr. -- SOMERSET: Thomas Mills [Ross (234071)]. WESTMORELAND: 3 mi S of Rector [Utech 80-113].

Bromus kalmii Gray -- BUTLER: Jennings Prairie [Vogler 2-119].

Bromus racemosus L. -- GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2419]. LANCASTER: Columbia [Porter (12440)]. LAWRENCE: mouth of Slippery Rock Creek [Buker (12444)]. NORTHAMPTON: Easton [Porter (12443)].

Bromus secalinus L. -- BEAVER: Darlington [Jennings & Henry (12479)]. CRAWFORD: Pymatuning [Buker (12473)]. FOREST: Mayburg [Henry (12457)].

Bromus sterilis L. -- FULTON: Big Tonoloway Creek near Maryland border [Buker (12488)].

Bromus tectorum L. -- ADAMS: Pine Grove Furnace [Bright (12508)].

Calamagrostis canadensis (Michx.) Beauv. -- ARMSTRONG: Parkers Landing [Buker (12776)].

Calamagrostis porteri Gray -- FULTON: Harrisonville [Cusick 26948].

Cinna arundinacea L. -- FULTON: Warfordsburg [Henry & Buker (12707)].

Cinna latifolia (Trev.) Griseb. -- BUTLER: Marwood [Buker (12718)].

Dactylis glomerata L. -- CAMERON: Hicks Run [Buker (12114)].

Danthonia compressa Austin -- ERIE: Presque Isle [Bissell 1985:151]; also Erie. FOREST: Truemans Forest [Henry & Buker (12166)].

Danthonia spicata (L.) Beauv. ex R. & S. -- CLARION: Foxburg [Buker (12189)].

Dicanthelium acuminatum (Sw.) Gould & Clark var. *lindheimeri* (Nash) Gould & Clark [*Panicum lindheimeri* Nash] -- HUNTINGDON: Coles Summit [Long (15356)].

Dicanthelium boreale (Nash) Freckmann [*P. boreale* Nash] -- FAYETTE: Markleysburg Bog [Buker (14799)].

Dicanthelium boscii (Poir.) Gould & Clark [*P. boscii* Poir.] -- CRAWFORD: Vallonia [Darling (74672)].

Dicanthelium clandestinum (L.) Gould [*P. clandestinum* L.] -- CLARION: Sarah Furnace [Buker (14938)]; also Fisher.

Dicanthelium latifolium (L.) Gould & Clark [*P. latifolium* L.] -- ARMSTRONG: Sherret [Henry (15398)]; also Leechburg. CLARION: Foxburg [Buker (15413)]. GREENE: Point Marion [Buker (15419)]; also Jefferson.

Dicanthelium linearifolium (Scribn.) Gould [*P. linearifolium* Scribn.] -- MERCER: Leesburg [Buker (13977)].

Dicanthelium meridionale (Ashe) Freckmann [*P. meridionale* Ashe] -- WARREN: North Warren [Moldenke 16602].

Dicanthelium sabulorum (Lam.) Gould & Clark var. *thinium* (A.S. Hitchc. & Chase) Gould & Clark [*P. columbianum* Scribn.] -- ERIE: Presque Isle [Bissell 1985:76].

**Dicanthelium scoparium* (Lam.) Gould [*P. scoparium* Lam.] -- LANCASTER: Safe Harbor [Porter (15516)].

Dicanthelium sphaerocarpon (Ell.) Gould [including *P. microcarpon* Muhl., *P. polyanthes* Schultes, and *P. sphaerocarpon* Ell.] -- BEAVER: Clinton [Henry (15529)]. FAYETTE: Ohiopyle [Bright 5421]. WASHINGTON: Hanlin Station [Buker (15524)].

Digitaria ischaemum (Schreb. ex Schweig) Muhl. -- BEAVER: Raccoon Creek at US 30 [Henrici (12875)]. GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2075].

Echinochloa crusgalli (L.) Beauv. -- CAMERON: Truman [Henry & Buker (12990)]. GREENE: 3.6 km SSW of West Finley [Thompson, et al. 1989]; also Jefferson; 1.9 km ESE of Majorsville, West Virginia; mouth of Shannon Run; Rutan; Ryerson. SOMERSET: Boswell [Mulvihill (296735)]; also Bakerville; Cranberry Glade Lake; Jennerstown.

Echinochloa walteri (Pursh) Heller -- NORTHAMPTON: Easton [Porter (13112)].

Eleusine indica (L.) Gaertn. -- CRAWFORD: no further locality [Whitesides (252485)].

Elymus canadensis L. -- WESTMORELAND: 3 mi S of Rector [Utech 79-364].

Elymus riparius Wieg. -- MERCER: Leesburg [Henry (13148)].

Elymus villosus Muhl. ex Willd. -- BEAVER: Pattons Point [Buker & Henrici (13167)]; also Georgetown. CRAWFORD: Meadville [Whitesides (252486)]. FULTON: Harrisonville [Henry & Buker (13176)]. WASHINGTON: West Finley [Thompson, et al. 1934]; also 3 mi W of McMurray Road at US 19.

Elymus virginicus L. -- CLARION: Fisher [Henry (13295)]; also Clarion. FULTON: Big Tonoloway Creek [Buker (13294)]. GREENE: Mt. Morris [Henry & Buker (13240)]; also Ryerson; Waynesburg. LAWRENCE: Eastbrook [Henry & Beer (13257)]; also Chewton to Wurtzburg. LYCOMING: Cedar Run [Gress & Jennings (13300)]. POTTER: Ole Bull State Park [Buker (13319)]; also Cherry Springs; Galetton.

Elytrigia repens (L.) Desv. ex Nevski [*Agropyron repens* (L.) Beauv.] -- CLARION: 5-6 mi W of PA 854 on PA 861 [Buker (11575)]. VENANGO: Kennerdell [Buker (11578)]; also Nickleville.

Eragrostis capillaris (L.) Nees -- SOMERSET: Stoystown [Ross (13351)].

Eragrostis cilianensis (All.) E. Mosher -- CRAWFORD: Linesville [Buker (13482)]; also Harmonsburg. LAWRENCE: Ellwood City [Buker (13469)].

Eragrostis hypnoides (Lam.) B.S.P. -- WASHINGTON: Speers [Cusick 27118].

Eragrostis minor Host [*E. poaeoides* Beauv.] -- ALLEGHENY: Penn Hills [Boufford 21305]; also Groveton. WARREN: North Warren [Moldenke 15772].

Eragrostis pectinacea (Michx.) Nees -- FAYETTE: Ohiopyle [Bright (13422)].

Eragrostis pilosa (L.) Beauv. -- CENTRE: Unionville [Boufford 21302].

Eragrostis spectabilis (Pursh) Steud. -- GREENE: Rogersville [Davis & Davis 4422].

Eulalia viminea (Trin.) Kuntze [*Microstegium vimineum* (Trin.) A. Camus] -- FRANKLIN: Licking Creek [Cusick 26953]. FULTON: 1.5 mi SW of Dickeys Mountain [Cusick 27097].

Festuca arundinacea Schreb. [Species not listed in Wherry, et al. (1979); this taxon has been included in *F. pratensis* Huds.] -- WASHINGTON: 3.7 km ESE of Majorsville, West Virginia [Thompson & Nishida 2411].

Festuca obtusa Biehler -- CRAWFORD: Hartstown [*Bright* (13720)].

Glyceria canadensis (Michx.) Trin. -- ADAMS: Piney Mountain [*Bright* (13729)]. VENANGO: Lisbon [*Baker* (13772)]. WYOMING: Lake Carey [*Bright* (13730)].

Glyceria grandis S. Wats. -- ELK: Montgomery [*Patterson* (13810)].

Hordeum jubatum L. -- McKEAN: Marshburg [*Baker* (14120)]. WARREN: Kinzua Dam [*Grisez* 512].

Hordeum vulgare L. -- CRAWFORD: Vallonia [*C.A.D.* (74673)].

Hystrix patula Moench -- CLARION: Rimersburg [*Baker* (14259)]. MERCER: Mercer [*Henry* (14277)]. WARREN: Akeley Swamp [*Grisez* 635].

Leersia oryzoides (L.) Sw. -- JEFFERSON: Sigel [*Henry* (14354)].

Lolium multiflorum Lam. -- ERIE: Mercyhurst [*Hepner* (111338)]. FULTON: PA 915 S of US 30 [*Baker* (14404)].

Lolium perenne L. -- ERIE: Presque Isle [*Baker* (14383)]; also Lake City.

Milium effusum L. -- CHESTER: Valley Forge [*Diffenbaugh* (14576)]. HUNTINGDON: Saltillo [*Pearth* (14581)].

Muhlenbergia mexicana (L.) Trin. -- LAWRENCE: Plain Grove [*Bright* 17976].

Muhlenbergia sobolifera (Muhl.) Trin. -- CRAWFORD: Rock Point [*Whitesides* (252494)].

Muhlenbergia sylvatica (Torr.) Torr. -- BEAVER: Raccoon Creek and US 30 [*Henrici* (14709)].

Oryzopsis asperifolia Michx. -- CRAWFORD: US 6 near Ohio border [*Cusick & Andreas* 19922].

Panicum capillare L. -- FAYETTE: Ellitsville [*Mozingo* (14872)]. LAWRENCE: Robinson [*Cusick* 22973]; also Eastbrook. SOMERSET: Stoystown [*Patterson* (14868)].

Panicum hirticaule Presl var. **miliaceum** (Vasey) Beetle [*P. miliaceum* L.] -- BEAVER: Shippingport [*Ohlsson* 3317].

Panicum philadelphicum Bernh. -- GREENE: 3.6 km SSW of West Finley [*Thompson & Nishida* 2516]; also 1.9 km ESE of Majorsville, West Virginia. WASHINGTON: Paris [*Cusick* 23226].

Panicum rigidulum Bosc. ex Nees [*P. agrostoides* Spreng.] -- SUSQUEHANNA: no further locality [*Graves* (14768)].

Phalaris arundinacea L. -- CAMERON: Driftwood [*Baker* (15701)].

Phragmites australis (Cav.) Trin. ex Steud. -- WARREN: 7 mi E of Corry [*Grisez* 565].

Poa alsodes Gray -- BEAVER: Mechanicsburg [*Henry* (15888)]; also Ohioville. GREENE: Garrison [*Henry & Baker* (15876)]. WASHINGTON: Charleroi [*Bright* (15877)].

Poa annua L. -- FOREST: Allegheny River S of Warren County line [*Baker* 15911]. WASHINGTON: mouth of Mingo Creek [*Baker* (15934)].

Poa compressa L. -- CLARION: Shippenville [*Baker & Henry* (15960)]. LACKAWANNA: Scranton [*Henry* (16041)].

Poa cuspidata Nutt. -- ARMSTRONG: Kelly Station [*Henry* (16066)]; also Leechburg. CAMBRIA: Summerhill [*Henry & Beer* (16123)]. CAMERON: Hicks Run [*Baker* (16057)]. CLEARFIELD: Patchinsville [*Henry* (16125)]; also Westover. ELK: Loleta [*Baker* (16061)]. ERIE: Wattsburg [*Baker* (16070)]. FOREST: Newmansville [*Baker & Henry* (116059)]. JEFFERSON: Ohl [*Henry & Beer* (16098)]; also Richardsville; Roseville. LAWRENCE: Ellwood City [*Henry & Baker* (16138)]; also Hillsville. MERCER: Sharpsville [*Baker* (16065)].

Poa palustris L. -- BUTLER: Jennings Prairie [*Vogler* 7-50].

Poa pratensis L. -- CAMERON: Emporium [*Baker* (16249)]; also Sinnemahoning.

Poa trivialis L. -- ERIE: Presque Isle [*Baker* (16334)].

Schizachyrium scoparium (Michx.) Nash [*Andropogon scoparius* Michx.] -- BUTLER: Parkers Landing [*Bright* 2412].

Sphenopholis obtusata (Michx.) Scribn. -- BUTLER: Jennings Prairie [*Vogler* 2-38].

Sporobolus neglectus Nash -- FULTON: Dickeys Mountain [*Cusick* 27101].

Sporobolus vaginiflorus (Torr. ex Gray) Wood -- ERIE: PA 18 and I-90 [*Cusick* 23992].

Torreyochloa pallida (Torr.) Church [*Glyceria pallida* (Torr.) Trin.] -- LAWRENCE: New Castle [*Bright* (16407)]. WARREN: Warren [*Bright* (16411)].

Zea mays L. -- INDIANA: Hower [*Sumstine* (16960)].

CYPERACEAE

Bulbostylis capillaris (L.) Clarke -- JEFFERSON: PA 97 at Elk County line [*Henry & Baker* (18167)]. LYCOMING: Cedar Run Bog [*Jennings* (17010)]. WARREN: Warren [*Grisez* 549].

Carex abscondita Mackenz. -- SUSQUEHANNA: Susquehanna [*Graves* (18184)].

Carex aenea Fern. -- PIKE: Wallenpaupack Creek [*Bright* (18191)]. WAYNE: Honesdale [*Bright* (18189)].

Carex aestivalis M.A. Curtis -- CARBON: Pocono Lake [Bright (18205)]. COLUMBIA: Jamison City [Gress (9458)]. CRAWFORD: Linesville [Jennings (18195)]; also Hartstown.

Carex amphibola Steud. -- ERIE: Presque Isle [Bissell 1985:86]. LAWRENCE: McConnells Mill [Marin (202422)].

Carex annectens (Bickn.) Bickn. -- BEAVER: Raccoon Creek [Bright (18363)].

Carex arctata Boott -- FAYETTE: Ohiopyle [Shafer & Kinzer (18422)].

Carex baileyi Britt. -- CRAWFORD: Townville [Leberman (269059)].

**Carex bebbii* (Bailey) Olney -- LAWRENCE: Plain Grove [Thomas 2965].

Carex bromoides Willd. -- BUTLER: Jennings Prairie [Vogler 7-41]. ERIE: Edinboro [Jennings & Fetterman (18669)].

Carex brunnescens (Pers.) Poir. -- BUTLER: Jennings Prairie [Vogler 7-60]. CRAWFORD: Linesville [Jennings (18708)]; also Meadville.

Carex bushii Mackenzie -- CRAWFORD: Meadville [Leberman (269011)].

Carex buxbaumii Wahlenb. -- CHESTER: Nottingham [True 539].

Carex comosa Boott -- LYCOMING: Muncy [Bright (19095)].

Carex conjuncta Boott -- SOMERSET: Indian Lake [Thomas 2746].

Carex convoluta Mackenzie -- BEAVER: Raccoon Creek [Bright (19156)].

Carex crinita Lam. -- POTTER: Coudersport [Bright (19269)]; also Cherry Springs.

Carex cristatella Britt. -- LAWRENCE: New Castle [Bright (19427)]; also McConnells Mill.

Carex debilis Michx. -- ALLEGHENY: Pittsburgh [Patterson (19515)]. CRAWFORD: Townville [Leberman (291418)]. VENANGO: 2.2 mi N of Cooperstown [Leberman (269035)].

**Carex eburnea* Boott -- ERIE: 5 km SE of Girard [Bissell 1985:172].

Carex echinata Murr. [including *C. cephalantha* (Bailey) Bickn.] -- WARREN: Sulphur Spring [Mathias 959].

Carex emmonsii Dewey -- WAYNE: Atco [Glowenke 9632].

Carex emoryi Dewey -- ERIE: Presque Isle [Jennings (19642)].

Carex festucacea Schkuhr ex Willd. -- CLARION: Alum Rock [Jennings (19647)].

Carex flaccosperma Dewey var. *glaucodea* (Tuckerm.) Kukenth. [*C. glaucodea* Tuckerm.] -- LAWRENCE: McConnells Mill [Marin (202423)].

**Carex flava* L. -- SUSQUEHANNA: Susquehanna [Graves (9552)].

Carex foenea Willd. -- WESTMORELAND: Rector [Jennings (19658)].

Carex folliculata L. -- CAMERON: Medix Run [Baker (19667)]. LAWRENCE: Plain Grove [Baker (254188)]. MERCER: Jackson Center [Henry & Beer (19663)].

Carex gracilescens Steud. -- CRAWFORD: Erie Extension Canal and US 322 [Bissell 1985:55]. WAYNE: Winterdale [Bright (19866)]; also Equinunk Creek.

Carex gracillima Schwein. -- CLARION: Red Bank Creek [Bright (19942)].

Carex granularis Muhl. ex Willd. var. *haleana* (Olney) Porter -- ERIE: 2.1 mi from junction of I-90 with Girard/Fairview townships line [Bissell 1985:173].

Carex grayi Carey -- CRAWFORD: Pymatuning [Fulton (19988)]. DAUPHIN: Falmouth [Wilkins 5348]. FAYETTE: Ohiopyle [Bright 5453]. FOREST: Endeavor [Leberman 19989]. LAWRENCE: Plain Grove [Bright (19992)]; also Eastbrook; New Wilmington.

Carex gynandra Schwein. -- CAMERON: Emporium [Henry & Baker (19325)]; also Piper. ERIE: Edinboro [Jennings & Fetterman (21754)].

Carex hirtifolia Mackenzie -- SOMERSET: Buckstown [Jennings (20360)].

Carex howei Mackenzie -- BERKS: Gibraltar [Berkheimer 3682]. McKEAN: Hazel Hurst [Vogler & Bier 3-1].

Carex hystericina Muhl. ex Willd. -- FOREST: Cook Forest [Jennings (20541)]; also Endeavor. JEFFERSON: Sigel [Boufford 21104]. McKEAN: Hazel Hurst [Vogler & Bier 3-7]. TIOGA: Pine Creek [Bright (20555)].

Carex interior Bailey -- FOREST: Marienville [Grisez 524]. WASHINGTON: New Eagle [Beer (20622)].

Carex laevivaginata (Kukenth.) Mackenzie -- BEAVER: Raccoon Creek [Marin (210288)]. BUTLER: Renfrew [Bright (20757)]. CLARION: Alum Rock [Jennings (20762)]. CUMBERLAND: Hunters Run [Bright (20770)]. FAYETTE: Ohiopyle [Bright (20751)]; also Bear Run Nature Preserve. WARREN: Sulphur Spring [Mathias 994]; also Tamarack Swamp.

Carex lasiocarpa Ehrh. var. *americana* Fern. -- CRAWFORD: Linesville [Patterson (20774)]. LANCASTER: Lancaster [Porter (20773)].

Carex laxiculmis Schwein. -- LAWRENCE: New Castle [Bright (20818)].

Carex leavenworthii Dewey -- COLUMBIA: Bloomsburg [Bright (20979)].

Carex leptalea Wahlenb. -- LAWRENCE: New Castle [Bright (20988)]. NORTHUMBERLAND: Hellertown [True 147].

Carex lupuliformis Sartwell -- CHESTER: Spring City [Bright (302309)].

Carex lupulina Muhl. ex Willd. -- CLARION: Rimersburg [Buker (23320)]. COLUMBIA: Iola [Fender & Ludwig 3695].

Carex molesta Mackenzie -- WASHINGTON: Thompsonville [Bright (23433)].

Carex nebraskensis Dewey [Species not listed in Wherry, et al. (1979). The specimens were determined by Mackenzie, who questioned the accuracy of the locality data, as this species otherwise does not occur in the northeastern United States. There are three sheets from this locality.] -- MONROE: Tobyhanna [Gress & Jennings (23524-23526)].

Carex normalis Mackenzie -- LAWRENCE: Plain Grove [Buker (23493)].

Carex novae-angliae Schwein. -- CARBON: Pocono Lake [Bright (23546)]. NORTHAMPTON: Easton [Knipe (23554)].

Carex oligocarpa Schkuhr ex Willd. -- HUNTINGDON: Spring Creek [Bright (23558)].

Carex ormostachya Wieg. -- CUMBERLAND: Hunters Run [Gress (23575)]. FULTON: Harrisonville [Buker (21236)].

Carex pallescens L. -- NORTHUMBERLAND: Sunbury [Bright (23580)].

Carex pedunculata Muhl. ex Willd. -- LAWRENCE: McConnells Mill [Bright 2467].

Carex plantaginea Lam. -- ALLEGHENY: Logans Ferry [Bright (23739)]. CLARION: Redbank [Bright (23740)]. CLINTON: Hyner [Buker (23735)]. CRAWFORD: Cambridge Springs [Bright (23744)]. MERCER: Perrine Corners [Henry, et al. (23736)].

Carex platyphylla Carey -- CRAWFORD: Meadville [Leberman (269049)].

**Carex polymorpha* Muhl. -- CUMBERLAND: Pine Grove Furnace [Bright (23979)].

Carex projecta Mackenzie -- ALLEGHENY: Powers Run [Jennings (23965)]. ERIE: Corry [Bright (23959)]. FAYETTE: Ohiopyle [Jennings (21790)]. FRANKLIN: Pen Mar [Bright (23971)]. JEFFERSON: near Elk County line on PA 949 [Henry & Buker (23952)]. MERCER: Fairview [Henry & Buker (23957)]. WASHINGTON: New Eagle [Buker (23953)].

Carex radiata (Wahlenb.) Small -- FAYETTE: Ohiopyle [Jennings & Graham (22166)]. VENANGO: Emlenton [Buker (22167)].

**Carex retrorsa* Schwein. -- CRAWFORD: Hartstown [Bright (21812)]. ERIE: Wattsburg [Henry & Buker (22207)]; also Corry. WESTMORELAND: Rector [Utech 82-195].

Carex rosea Schkuhr ex Willd. -- ERIE: Edinboro [Jennings (22265)]; also Presque Isle. POTTER: Coudersport [Jennings (22276)].

Carex rostrata Stokes -- BEAVER: mouth of Little Beaver River [Henry & Jennings (22319)]. CLINTON: Tamarack [Henry & Buker (22321)]. McKEAN: Burning Well [Buker (22305)]. WARREN: Akeley [Henry & Buker (22307)].

Carex scabrata Schwein. -- LAWRENCE: McConnells Mill [Marin (202451)].

Carex scoparia Schkuhr ex Willd. -- WASHINGTON: Burgettstown [Henry & Buker (22404)]. WYOMING: Mehoopany [Bright (22517)].

Carex sparganioides Muhl. ex Willd. -- CRAWFORD: Hartstown [Jennings (22609)].

Carex striatula Michx. -- FAYETTE: Killarney Park [Gress (22823)]. YORK: Brogueville [Bright (22826)].

Carex stricta Lam. [including *C. strictior* Dewey] -- ARMSTRONG: Buffalo Creek [Jennings (22865)]. CRAWFORD: Lincolnville [Henry & Buker (22843)]; also Hartstown; Linesville. ERIE: Presque Isle [Jennings (22874) and others]. INDIANA: Cherry Tree [Jennings (22856)]. VENANGO: Honesdale [Bright (22861)].

Carex styloflexa Buckl. -- YORK: York Furnace [Bright (22831)].

Carex swanii (Fern.) Mackenzie -- ARMSTRONG: Kittanning [Buker (22956)].

Carex torta Boott ex Tuckerm. -- CRAWFORD: Hartstown [Bright (23000)]. WASHINGTON: Charleroi [Bright (22983)].

Carex tribuloides Wahlenb. -- CLARION: Cook Forest [Jennings (23089)].

Carex trichocarpa Muhl. ex Willd. -- FOREST: 3 mi SW of Kellettville [Grisez 984].

Carex trisperma Dewey -- JEFFERSON: Sigel [Boufford & Wood 21103]. McKEAN: Catherine Swamp [Vogler & Bier 3-5]. POTTER: Coudersport [Jennings (21359)]. VENANGO: Franklin [Bright (21361)]. WESTMORELAND: Laurel Ridge [Van Dersal (21362)].

Carex tuckermanii Dewey -- McKEAN: Coryville [Buker (21389)]. PIKE: Wallenpaupack Creek [Bright (21407)].

**Carex typhina* Michx. -- BEAVER: Raccoon Creek [Schiller, et al. (21411)]. FULTON: Big Tonoloway Creek [Bright (21412)].

Carex umbellata Schkuhr ex Willd. -- ERIE: Presque Isle [Bissell 1985:65]. FAYETTE: Indian Creek Reservoir [Henry (9517)].

Carex virescens Muhl. -- POTTER: Coneville [Henry (21443)]. TIOGA: Fall Brook [Bright (21487)].

Carex willdenowii Schkuhr ex Willd. -- ARMSTRONG: Cowanshannock [Bright (21835)].

Carex woodii Dewey -- VENANGO: Emlenton [Bright (9523)].

Cyperus bipartitus Torr. [*C. rivularis* Kunth] -- CLINTON: North Bend [Buker (22002)]. WARREN: Tidioute [Grisez 603].

**Cyperus engelmannii* Steud. -- ERIE: Presque Isle [Bright (21863)].

Cyperus filiculmis Vahl -- CLINTON: Westport [Buker (21951)].

Cyperus flavescens L. -- ERIE: Presque Isle [Jennings (21996)]. MERCER: Sharon [Aschman (21997)]. WASHINGTON: Conger [Jennings (21998)].

Cyperus odoratus L. -- CRAWFORD: West Fallowfield Township [Bissell 1985:296]. ERIE: Presque Isle [Ammons (22116)].

Cyperus ovularis (Michx.) Torr. -- NORTHAMPTON/LEHIGH: Bethlehem [Wolle (21916)].

Cyperus squarrosus L. [*C. aristatus* Rottb.] -- MONROE: Lehigh Pond [Twining (21906)].

Cyperus strigosus L. -- ELK: Medix Run [Jennings (22082)]. McKEAN: Marshburg [Buker (22110)].

Dulichium arundinaceum (L.) Britt. -- WASHINGTON: California [Schule (24732)].

Eleocharis acicularis (L.) R. & S. -- BEAVER: 5 mi NW of Midland [Buker (24828)]; also Bellowsville; New Galilee. FAYETTE: Connellsville [Graham (24826)]. WASHINGTON: New Eagle [Buker (24805)].

**Eleocharis elliptica* Kunth -- ERIE: Presque Isle [Bissell 1985:122].

Eleocharis erythropoda Steud. [*E. calva* Torr.] -- LAWRENCE: 2.3 mi NW of Harlansburg [Henry (24849)]; also New Castle. SOMERSET: Ursina [Buker (24842)].

Eleocharis obtusa (Willd.) Schultes -- WASHINGTON: 3.7 km ESE of Majorsville, West Virginia [Thompson & Nishida 2113]; also Taylorstown.

Eleocharis palustris (L.) R. & S. [including *E. smallii* Britt.] -- BEAVER: Shippingport [Henrici (25087)]; also Georgetown. LAWRENCE: New Castle [Bright (25080, 25081)]. WASHINGTON: Florence [Henry & Beer (25086)].

Eleocharis tenuis (Willd.) Schultes -- BEAVER: Shippingport [Henrici (25148)].

Eriophorum virginicum L. -- ALLEGHENY: Mt. Nebo [Henry (25267)]. CAMERON: Sinnemahoning [Buker (25242)].

CLARION: Rock Run [Van Dersal 549]. ELK: Bordentown Swamp [Jennings (25288)]; also 3 mi NE of Benezette; 3 mi S of Kane. FOREST: Brookston [Kosinski (25252)]. McKEAN: Hazel Hurst [Boardman (25259)].

Fimbristylis autumnalis (L.) R. & S. -- FAYETTE: Ohiopyle [Jennings (17921)].

Rhynchospora alba (L.) Vahl -- McKEAN: Hazel Hurst [Vogler & Bier 3-11].

Rhynchospora capitellata (Michx.) Vahl -- BUTLER: Jennings Prairie [Vogler 2-101]. ELK: 3-4 mi NW of Millstone [Henry (25304)].

Scirpus atrovirens Willd. -- CLARION: Cook Forest [Jennings (25420)]. CLEARFIELD: Madera to Glen Hope [Buker (25417)]. LACKAWANNA: Fleetville [Glowenke 8052].

Scirpus expansus Fern. -- LAWRENCE: New Castle [Shafer (25741)].

Scirpus georgianus Harper -- BUTLER: Butler [Buker (25541)]; also Criders Corner; Isle.

Scirpus pendulus Muhl. -- MERCER: 1 mi W of Venango County line [Buker (25764)].

Scirpus polyphyllus Vahl -- LAWRENCE: Plain Grove [Bright (25835)].

Scirpus purshianus Fern. -- BRADFORD: Woodvale [Berkheimer 10472].

Scirpus verecundus Fern. -- ERIE: Presque Isle [Buker (25882)].

ARACEAE

Acorus calamus L. [*A. americanus* Raf.] -- TIOGA: Mainesburg [Thompson 3387].

Arisaema dracontium (L.) Schott -- FULTON: Dickey's Mountain [Henry (24332)].

Arisaema triphyllum (L.) Schott -- CAMERON: 3 mi NW of Driftwood [Buker (24114)]; also Sterling Run.

Calla palustris L. -- BUTLER: West Liberty [Boardman (24493)]; also Slippery Rock. McKEAN: Ormsby [Grisez 348]. SOMERSET: Mt. Davis [Mulvihill & Leberman 12].

Peltandra virginica (L.) Schott -- FAYETTE: Deer Lake [Boardman (24534)]; also Chalkhill.

Symplocarpus foetidus (L.) Nutt. -- CAMERON: Sterling Run [Buker (24570)].

LEMNACEAE

Lemna minor L. -- CLARION: Parkers Landing [Buker (21072)]. FOREST: Porkey [Buker (21077)]. FULTON: Warfordsburg [Henry & Buker (21217)]. SOMERSET: Jennerstown [Mulvihill (295741)]; also Humbert; Somerset.

Lemna perpusilla Torr. -- CHESTER: Springdell [Wherry (21060)]. MERCER: Drake [Richmond (21114)].

**Lemna turionifera* Landolt [Species not listed in Wherry, et al. (1979); it also occurs in Blair County (Kunsmann and Keener, 1986)] -- ALLEGHENY: Dixmont [Buker (21203)]. BEAVER: Rock Point [Sumstine (21193)]. CRAWFORD: Conneaut Lake [Jennings (21214)]. ERIE: Presque Isle [Jennings (21201)]. MERCER: Swamp Root [Henry (21076)]; also Drake. WASHINGTON: Florence [Henry & Beer (21212)].

Spirodela polyrhiza (L.) Schleid. -- FAYETTE: Flatwoods [Polechko (304447)]; also 5 mi SSE of Perryopolis. SOMERSET: Humbert [Polechko (304752)]; also Laurel Ridge State Park. WESTMORELAND: 2.5 mi NE of West Newton [Henry & Beer (21082)]; also Crabtree.

Wolffia borealis (Engelm.) Landolt [*W. punctata* Griseb.] -- CRAWFORD: Conneaut Lake [Jennings (21225)].

**Wolffia brasiliensis* Weddell [Species not listed in Wherry, et al. (1979) nor in other Pennsylvania floras. Landolt (1986), who identified these specimens, states that this species is rather rare in Pennsylvania.] -- BEDFORD: Cessna [Berkheimer 23192]. LEBANON: Bellegrove [Berkheimer 16259].

Wolffia columbiana Karst. -- NORTHAMPTON: East Bangor [Schaeffer 23708].

COMMELINACEAE

Commelina communis L. var. *communis* -- ERIE: Elk Creek [Henry & Buker (26116)]; also Presque Isle.

Tradescantia ohiensis Raf. -- BEAVER: no further locality [Mansfield (26156)]. BERKS: Sinking Spring [Oberly 2996]. CAMBRIA: Nicktown [Kline (26158)]. FOREST: East Hickory [Leberman (296787)]. LAWRENCE: Ellwood City [Buker (26151)].

Tradescantia virginiana L. -- BLAIR: 2.5 mi E of Gallitzen [Buker (26153)]. CRAWFORD: Meadville [Darling (74619)]. FULTON: 2.5 mi SE of Warfordsburg [Buker & Beer (26172)].

PONTEDERIACEAE

Pontederia cordata L. -- BUTLER: Meridian [Preston (26203)].

Zosterella dubia (Jacq.) Small [*Heteranthera dubia* (Jacq.) MacM.] -- ARMSTRONG: Watersonville [Henry (26181)].

JUNCACEAE

Juncus acuminatus Michx. -- FOREST: 6 mi NE of Mayburg [Henry (26281)].

Juncus articulatus L. -- MERCER: Hermitage Township [Cusick 23647]. MONROE: East Stroudsburg [Jennings, et al. (26356)].

**Juncus brachycephalus* (Engelm.) Buchenau -- ELK: Highland Corner [Buker & Grisez (26399)].

Juncus brevicaudatus (Engelm.) Fern. -- FAYETTE: Ohiopyle [Bright 16860]. SOMERSET: Mt. Davis [Jennings (26425)].

Juncus bufonius L. -- ALLEGHENY: Fourteen Mile Island [Eggers 18]. CRAWFORD: Hartstown [Bright (26386)]; also Meadville.

Juncus canadensis J. Gay -- ALLEGHENY: Ingomar [Henry (26460)]; also Warrendale. ARMSTRONG: 3 mi N of Freeport [Jennings (26443)]. BEAVER: Bocktown [Buker & Henrici (26452)]. CLEARFIELD: Curwensville [Jennings (26510)]. LAWRENCE: Plain Grove [Buker (26450)]; also Bessemer; 2.5 mi W of McConnells Mill. MCKEAN: Smethport [Buker (26440)]. MERCER: Stoneboro [Jennings (26462)]. VENANGO: Franklin [Henry & Buker (26511)].

Juncus effusus L. -- WASHINGTON: West Finley [Buker (26603)].

**Juncus filiformis* L. -- WARREN: Warren [Grisez 548].

Juncus marginatus Rostk. -- BEAVER: Georgetown [Bright 689]. ERIE: Union City [Buker (26657)]; also Presque Isle. SOMERSET: Roxbury [Cusick 27084]; also Stoystown.

Juncus nodosus L. -- CRAWFORD: New Richmond [Leberman (269030)].

Juncus subcaudatus (Engelm.) Coville & Blake -- SOMERSET: Mt. Davis [Henry & Buker (26739)].

**Juncus torreyi* Coville -- WASHINGTON: Murdockville [Buker (26963)].

Luzula acuminata Raf. -- FAYETTE: Ohiopyle [Buker (27020)]; also Indian Head; Wymys Gap. GREENE: Mt. Morris [Buker (26987)].

**Luzula bulbosa* (Wood) Rydb. -- SOMERSET: Confluence to Harnedsville [Buker (27074)].

Luzula multiflora (Ehrh. ex Hoffm.) Lej. -- LAWRENCE: 4 mi N of New Castle [Buker (27255)]; also McConnells Mill; Pulaski; New Wilmington.

LILIACEAE

Allium canadense L. -- CRAWFORD: Hydetown [Henry & Buker (27321)]. ERIE: Elk Creek bridge on PA 98 [Henry & Buker (27361)]; also Presque Isle. GREENE: 3.6 km SSW of West Finley [Nishida & Bier 706]. LAWRENCE: Hillsville [Beer (27322)]. McKEAN: Eldred [Grisez 634]. WASHINGTON: West Finley [Nishida & Bier 685]; also Amity; Murdocksville; Prosperity; Taylorstown.

Allium cernuum Roth -- GREENE: Jefferson [Henry & Beer (27383)]. JUNIATA: Denholm [Jennings (27448)]. SOMERSET: Stoystown [Patterson (27386)].

Allium sativum L. -- ALLEGHENY: Edgewood Park [Jennings & Koenig (27459)]. BUTLER: Bruin [Bright (27457)].

Allium tricoccum Ait. -- ARMSTRONG: 3 mi SE of Manorville [Henry (27480)]. FAYETTE: Melcroft [Utech 81-088]. GREENE: 3 mi S of Ryerson Station [Buker & Henry (27474)]; also Brave; Mt. Morris. INDIANA: Yellow Creek [Henry & Buker (27526)]; also Dilltown; 3 mi E of Indiana; Willet. WASHINGTON: 4 mi NW of New Eagle [Buker (27510)]; also Monongahela; Washington.

Allium vineale L. -- FAYETTE: Banning [Buker (27550)]; also Connellsville. SOMERSET: Jennerstown [Utech 81-049]. WARREN: North Warren [Moldenke 16450].

Asparagus officinalis L. -- CAMERON: 5 mi SW of Driftwood [Buker (27290)]. CLEARFIELD: Mill Run [Buker (27292)]; also McGees Mills; Pennfield. CRAWFORD: Hartstown [Buker (27300)]. POTTER: 5 mi N of Cross Fork [Buker (27289)].

Chamaelirium luteum (L.) Gray -- FAYETTE: Chalkhill [Buker (27591)]; also 4 mi NW of Deer Lake. JEFFERSON: 8 mi NW of Punxsutawney [Henry (27606)].

Clintonia umbellulata (Michx.) Morong -- BEAVER: N of Allegheny County line on US 30 [Henrici (27800)]; also Mechanicsburg. FULTON: PA 915 at I-76 [Buker (27730)].

Convallaria majalis L. -- BEAVER: Tombell [Henry (84766)]. CLEARFIELD: Sabula [McClelland (242152)]. WARREN: Irvine [Henry & Buker (26765)].

Erythronium albidum Nutt. -- CRAWFORD: Meadville [Darling (74664)]. ERIE: Elk Creek [Anderson & Anderson (28002)]. LAWRENCE: New Castle [Robinson (28004)]. WARREN: Russell [Grisez 571]; also Warren.

Erythronium americanum Ker-Gawl. -- CAMERON: Sterling Run [Buker (28180)]. CLARION: St. Petersburg [Henry (28160)]; also 5 mi NE of East Brady; Lawsonham. FAYETTE: Connellsville [Buker (28150)]; also Dunbar; Indian Head; New Geneva; Ohiopyle; 2-3 mi S of Ralph; Smock. JEFFERSON: 6 mi SW of Brookville [Buker (28049)].

Hemerocallis fulva (L.) L. -- BUTLER: no further locality [Lovell (28206)]. LAWRENCE: Harlansburg [Jennings (28188)]. SOMERSET: Daley [Frost (28194)]. WASHINGTON: 3.5 km ESE of Majorsville, West Virginia [Thompson 2436].

Hemerocallis lilioasphodelus L. [*H. flava* L.] -- ALLEGHENY: Sample [Buker (28186)].

Lilium canadense L. -- BEAVER: 3.5 mi W of Clinton [Henry (28295)]; also Reardons Run. FAYETTE: 3 mi from Banning [Buker (28282)]. WASHINGTON: Bavington [Buker (28267)]; also 6 mi E of Florence; Ringland Station; Venice.

Lilium philadelphicum L. -- CLARION: 6 mi N of Clarion [Jennings (28336)]. CRAWFORD: Meadville [Whitesides (59891)]. ELK: no further locality [Jennings (28312)]. FAYETTE: Chalkhill [Buker (28331)]; also Deer Lake. FULTON: 5 mi from McConnellsburg [McClelland (28305)]. JEFFERSON: Elbel Junction [Henry & Roslund (28335)]. POTTER: Cross Fork [Barrie 16558].

Lilium superbum L. -- BEAVER: Bocktown [Buker (28402)]; also Connoquenessing Creek; Fombell; Pine Grove; Reardons Run.

Maianthemum canadense Desf. -- WASHINGTON: Murdocksville [Buker (28622)].

Melanthium latifolium Desr. [*M. hybridum* Walt.] -- VENANGO: Pleasantville [Homer (28884)].

Melanthium virginicum L. -- ARMSTRONG: no further locality [Knipe (28889)]. PIKE: 2.5 mi ENE of Porters Lake [DePue 135].

Ornithogalum umbellatum L. -- LAWRENCE: Ellwood City [Buker (28910)].

Scilla sibirica Andr. -- ALLEGHENY: Edgeworth [Macdonald & Stewart LSCWA-20].

Smilacina racemosa (L.) Desf. -- CRAWFORD: Saegertown [Buker (29389)]; also Cambridge Springs; Cussewago Swamp; Hartstown; Linesville; Meadville; 3 mi ENE of Springboro; Westford.

Smilax glauca Walt. -- CAMERON: 3 mi S of Emporium [Henry & Buker (29664)]. SOMERSET: Somerset [Henry & Buker (29667)]; also 5 mi S of Bakersville; 6 mi E of Listonburg.

Smilax herbacea L. -- BEAVER: Fosters [Graham, et al. (29733)]; also Little Traverse Creek. WASHINGTON: 4 mi NW of Claysville [Henry (29691)].

Smilax hispida Muhl. ex Torr. -- CAMERON: Emporium [Buker (29830)].

Smilax rotundifolia L. -- FOREST: S of Warren County line along Allegheny River [Buker (29957)]. LAWRENCE: Plain Grove [Buker (29888)]. McKEAN: 3.2 mi W of Ceres [Buker (29926)]; also Kane. POTTER: Niles Mill [Eimer (29919)].

Stenanthium gramineum (Ker-Gawl.) Morong -- CRAWFORD: Harmonsburg [*Whitesides* (29994)]. SOMERSET: Bidwell Station [*Medsker* (30026)].

Streptopus roseus Michx. -- ELK: Dents Run [*Jennings* (30089)]. FAYETTE: Wymps Gap [*Jennings & Lewis* (30080)]. FOREST: 3 mi E of Endeavor [*Buker* (30070)]; also Clarington; Tionesta. VENANGO: 8.3 mi N of Oil City [*Buker* (30077)].

Trillium erectum L. var. **erectum** -- CAMERON: Sterling Run [*Buker* (160491)].

Trillium erectum L. var. **album** (Michx.) Pursh -- CLINTON: 3 mi NW of Lock Haven [*Henry & Buker* (160494)]. ERIE: Presque Isle [*Van Dersal* (160493)]. WASHINGTON: South Fork of Maple Creek [*Jennings* (160492)].

***Trillium flexipes** Raf. -- CRAWFORD: 3 mi SE of Linesville [*Jennings* (160495)]; also Hartstown. ERIE: 3 mi E of Union City [*Buker* (160497)].

Trillium sessile L. -- ERIE: 3 mi E of Union City [*Buker* (30342)].

Trillium undulatum Willd. -- ALLEGHENY: Woodville [*Farnsworth* (9288)].

Uvularia grandiflora Sm. -- WARREN: North Warren [*Moldenke* 15580].

Uvularia perfoliata L. -- LAWRENCE: Wurtemberg [*Buker* (30751)]; also Eastbrook. MERCER: Leesburg [*Henry & Beer* (30752)].

AMARYLLIDACEAE

Hypoxis hirsuta (L.) Coville -- CLARION: Lawsonham [*Bright* (31202)]. CRAWFORD: Meadville [*Whitesides* (59880)]. LAWRENCE: Plain Grove [*Buker* (31239)].

DIOSCOREACEAE

Dioscorea villosa L. -- ERIE: Waterford [*Henry & Buker* (31142)]. FULTON: Harrisonville [*Buker* (31114)]; also Big Tonoloway Creek; Buchanan State Forest. GREENE: 4 mi NE of Mt. Morris [*Henry & Buker* (31127)]. LAWRENCE: New Castle [*Robinson* (31125)]. WASHINGTON: 4 mi NW of Claysville [*Henry* (31124)].

IRIDACEAE

Iris germanica L. -- FAYETTE: Ohiopyle [*Buker* (89316)].

Iris pseudacorus L. -- CRAWFORD: Pymatuning Swamp [*Buker* (31258)]; also 6 mi NW of Canadohta Lake; Hartstown.

ERIE: Presque Isle [*Buker* (31263)]. MERCER: 10 mi NNE of Sharpsville [*Buker* (31254)]; also Stoneboro.

Iris sibirica L. -- SOMERSET: 2.5 mi SE of Windber [*Henry & Buker* (89315)].

Iris versicolor L. -- BEAVER: Ohioview [*Buker* (31285)]; also Reardons Run; Vanport. CLARION: 5-6 mi W of PA 854 on PA 861 [*Buker* (31284)].

Sisyrinchium montanum Greene var. **crebrum** Fern. -- WESTMORELAND: 3.5 mi SW of Rector [*Utech & Ohara* 82-197].

Sisyrinchium mucronatum Michx. -- CAMBRIA: 8 mi NE of Patton [*Kline* (17036)]. FULTON: 8 mi SE of Warfordsburg [*Buker & Beer* (17032)].

ORCHIDACEAE

Corallorhiza maculata (Raf.) Raf. -- MERCER: Sandy Lake [*Bousquet* (254198)].

***Cypripedium candidum** Muhl. ex Willd. -- VENANGO: no further locality [*Patterson* (17410)]; specimen annotated by John Atwood (1987) as "more likely *C. candidum*."

***Cypripedium parviflorum** Salisb. [*C. calceolus* L. var. *parviflorum* (Salisb.) Fern.] -- BEAVER: Little Beaver River [*Mansfield* (17470)]. CENTRE: State College [*Negley* (17479)]. ERIE: 2.5 mi NE of Union City [*Henry* (17459)]. FOREST: Tionesta [*Buker* (17427)]. HUNTINGDON: Birmingham [*Orlady* (17431)]. LUZERNE: Wilkes-Barre [*Wolle* (17409)]. NORTHAMPTON/LEHIGH: Bethlehem [*Wolle* (17414)]. VENANGO: [locality illegible] [*Shafer* 590].

Epipactis helleborine (L.) Crantz -- ALLEGHENY: Glenfield [*Buker* (21296)]; also Sewickley. ARMSTRONG: Parker [*Buker* (9912)]. HUNTINGDON: Trough Creek State Park [*Cusick* 26783]. WESTMORELAND: 4.5 mi SW of Rector [*Utech* 81-307].

Liparis loeselii (L.) L.C. Rich. -- LAWRENCE: Plain Grove [*Buker* (254179)].

Platanthera ciliaris (L.) Lindl. -- CLEARFIELD: Pine Township [*Cusick* 21000].

Platanthera clavellata (Michx.) Luer -- CAMERON: Medix Run and Sinnemahoning-Piper roads [*Buker* (254180)]. WESTMORELAND: Powdermill Nature Reserve [*Leberman* (17711)].

Platanthera flava (L.) Lindl. var. **herbiola** (R. Br.) Luer -- CLEARFIELD: 2.2 mi S of Glen Hope [*Buker* (17811)]. DAUPHIN: Loyalton [*Berkheimer* 13622].

Platanthera lacera (Michx.) G. Don -- CLARION: I-80 and PA 338 [*Gates* (320243)]; also PA 854 at Clarion River.

Spiranthes lucida (H.H. Eat.) Ames -- BUTLER: Moraine State Park [Lochner (31992)].

SALICACEAE

**Populus balsamifera* L. -- ALLEGHENY: Verona [Van Dersal (32067)]. BERKS: Bernharts [Berkheimer 3034a].

Populus deltoides Bartr. ex Marsh. -- ELK: Ridgway [Grisez 682].

Salix alba L. -- CRAWFORD: Linesville [Jennings (32485)]; also Hartstown. LAWRENCE: New Castle [Bright (32469)]. WARREN: Russell [Grisez 529].

**Salix amygdaloides* Anderss. -- BRADFORD: 2.5 mi NNW of Wyalusing [Grimm (32462)]. LYCOMING: Waterville [Bright (32464)].

Salix bebbiana Sarg. -- ALLEGHENY: Undercliff [Bright (32496)]; also Wildwood. ARMSTRONG: opposite West Winfield [Henry & Beer (32539)]. ERIE: State Game Lands 154 [Henry & Buker (32530)]; also Presque Isle; 2.5 mi NE of Union City. FAYETTE: Ellitsville [Buker (32498)]. SOMERSET: Salisbury [Henry & Buker (32533)].

Salix caprea L. -- MERCER: 4-5 mi SW of Sandy Lake [Erdman 4070].

Salix caroliniana Michx. [*S. longipes* Shuttlew. var. *wardii* (Bebb) Schneid.] -- ERIE: Presque Isle [Jennings & Jennings (32555)]. GREENE: Bluff [Henry & Beer (32554)]. WASHINGTON: Hanlin [Jennings (32557)].

Salix discolor Muhl. -- ARMSTRONG: Sherrett [Henry (32648)]. CLINTON: 5 mi NW of Keating [Buker (32605)]. LAWRENCE: Slippery Rock Creek at Muddy Creek [Buker (32574)]; also 2.5 mi NW of Eastbrook. GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2253].

Salix eriocephala Michx. [*S. rigida* Muhl.] -- INDIANA: 3-4 mi N of Saltsburg [Jennings (33245)].

Salix exigua Nutt. [*S. interior* Rowlee] -- ELK: no further locality [Deer (32984)]. GREENE: Jefferson [Henry & Beer (32955)]. McKEAN: Morrison [Henry & Buker (32910)].

Salix humilis Marsh. -- BEAVER: 4 mi W of Darlington [Henry & Beer (32786)]. ERIE: Wattsburg [Buker (32804)]; also Presque Isle. LAWRENCE: Muddy Creek Falls [Buker (32894)]; also Eastbrook; 3 mi NE of Enon Valley; Plain Grove. MERCER: Drake [Henry (32785)].

Salix lucida Muhl. -- CAMERON: 5 mi W of Emporium [Buker (33044)]; also Driftwood. CLINTON: Tamarack [Henry & Roslund (33035)].

Salix petiolaris Sm. [*S. gracilis* Anderss. var. *textoris* Fern.] -- CLARION: Lawsonham [Bright (32736)]; also Redbank. LANCASTER: Lancaster [Porter (9718)].

MYRICACEAE

Comptonia peregrina (L.) Coult. -- CAMERON: 3 mi S of Emporium [Henry & Buker (33606)]; also 7 mi NW of Emporium. McKEAN: North Branch of Sugar Run [Grisez 621]. SOMERSET: Stony Creek Township [Mostoller (33662)].

JUGLANDACEAE

Carya cordiformis (Wang.) K. Koch -- ARMSTRONG: Johnetta [Jennings (fruit collection)]. INDIANA: Conemaugh Reservoir [Henry (fruit collection)].

Carya glabra (P. Mill.) Sweet -- ARMSTRONG: Kittanning [Neale (33736)].

Carya ovalis (Wang.) Sarg. -- CAMBRIA: St. Lawrence [Jennings (33823)]. CLARION: Clarion [Jennings & McKee (33821)]. FAYETTE: Ohiopyle [Bright (33825)]. GREENE: 5 mi NE of Graysville [Henry & Buker (33839)]. JEFFERSON: 5 mi NE of Sigel [Henry (33817)]. VENANGO: 3 mi NE of Emlenton [Henry (fruit collection)]; also Deckard. WASHINGTON: Bavington [Jennings (fruit collection)].

Carya ovata (P. Mill.) K. Koch -- CRAWFORD: Linesville [Jennings (33896)]; also Cambridge Springs. WARREN: North Warren [Moldenke 15574].

Carya tomentosa (Poir.) Nutt. -- ELK: Medix Run [Jennings (33972)]. FOREST: West Hickory [Buker (33959)]. LYCOMING: 3 mi S of Waterville [Fox (34007)]. MERCER: Mercer [Phillips 432].

Juglans nigra L. -- BEAVER: 3 mi NE of Economy [Jennings, et al. (fruit collection)]. INDIANA: Conemaugh Reservoir [Henry (fruit collection)]. MERCER: Osgood [Henry & Buker (fruit collection)].

BETULACEAE

Betula populifolia Marsh. -- CAMBRIA: 3 mi SE of Nicktown [Kline (34783)]. MERCER: 4-5 mi SW of Sandy Lake [Erdman 5322]; also Perrine Corners.

Carpinus caroliniana Walt. -- LAWRENCE: 3 mi N of Plain Grove [Thomas & Thompson 2957].

Corylus americana Walt. -- CAMBRIA: Vintondale [Henry & Buker (35066)]; also 4.5 mi NE of Patton. CAMERON: 3 mi S of Emporium [Henry & Buker (35034)].

Ostrya virginiana (P. Mill.) K. Koch -- WARREN: State Game Lands 29 [Grisez 697].

FAGACEAE

Quercus alba L. -- McKEAN: 12 mi W of Bradford [Grisez 386].

Quercus bicolor Willd. -- ARMSTRONG: 6 mi S of New Bethlehem [Henry & Beer (35658)]. CAMBRIA: Flinton [Jennings (35649)]. SOMERSET: Stoney Creek [Bright (35665)].

Quercus coccinea Muenchh. -- SOMERSET: Glencoe [Graham (35720)].

Quercus ilicifolia Wang. -- ELK: Medix Run [McClelland (35797)]. FAYETTE: 3-4 mi NW of Deer Lake [Henry (35794)]; also Summit. TIOGA: Gaines [Jennings (35804)].

Quercus macrocarpa Michx. -- CAMBRIA: between St. Lawrence and Patton [Little (35913)]. MERCER: Osgood [Krouse (35915)].

Quercus montana Willd. [*Q. prinus* L.] -- CLARION: Cook Forest [Jennings (36250)]. CRAWFORD: Hartstown [Jennings (36246)]. McKEAN: 4 mi E of Willow Bay [Grisez 620].

Quercus palustris Muenchh. -- FAYETTE: 7 mi E of Uniontown [Jennings (36128)]. SOMERSET: 4 mi NW of Berlin [Jennings & Boardman (36160)].

Quercus prinoides Willd. -- CLINTON: Lock Haven to Vilas [Jennings (36219)]. MERCER: Mercer to Millburn [Jennings (36212)]. VENANGO: Oil City [Patterson (36208)]. WARREN: Warren [Moldenke 14775].

Quercus x saulii Schneid. -- BUTLER: Valencia [Jennings (35608)].

ULMACEAE

Celtis occidentalis L. [including *C. canina* Raf.] -- BEAVER: no further locality [Andriessen (84466)]. BUTLER: Middle Lancaster [Lochner (136834)]. LAWRENCE: Connoquenessing Gorge [Jennings (84472)]. WARREN: Irvine [Grisez 347].

Ulmus americana L. -- ERIE: Presque Isle [Jennings (36932)]; also Fairview. FAYETTE: 3 mi SW of Brownsville [Henry (36890)].

Ulmus pumila L. -- BEDFORD: Lutzville [Henry & Buker (84587)].

Ulmus rubra Muhl. -- ELK: Caledonia [Buker (37086)]. FOREST: between Truemans and Porkey [Buker (136880)]. McKEAN: 3.3 mi N of Crosby [Buker (136891)]. WARREN: North Warren [Moldenke 15381].

MORACEAE

Humulus lupulus L. -- FAYETTE: Indian Head [Jennings (35964)]. WASHINGTON: Bavington [Buker (35956)].

Morus alba L. -- ERIE: Presque Isle [Grisez 926]. GREENE: 5 mi above mouth of Dunkard Creek [Graham (36965)]. WASHINGTON: 4 mi W of New Eagle [Thompson 3701].

Morus rubra L. -- ARMSTRONG: Kittaning [Neale (36371)]. FAYETTE: Ohiopyle [Jennings (36352)].

URTICACEAE

Boehmeria cylindrica (L.) Sw. -- WASHINGTON: between New Eagle and Monongahela [Henry & Buker (35986)].

Parietaria pensylvanica Muhl. ex Willd. -- ERIE: Presque Isle [Grisez 981]. SOMERSET: Stoystown [Patterson (36638)].

Pilea pumila (L.) Gray -- ELK: Caledonia [Buker (36494)].

Urtica dioica L. -- CAMERON: 3 mi N of Emporium [Henry & Buker (36650)].

SANTALACEAE

**Pyrularia pubera* Michx. -- SOMERSET: between Confluence and Harnedsville [Buker (36994)].

ARISTOLOCHIACEAE

Aristolochia macrophylla Lam. [*A. durior* Hill] -- WASHINGTON: Washington [Fulton (37059)].

Aristolochia serpentaria L. -- ARMSTRONG: no further locality [Knipe (37138)].

Asarum canadense L. -- CLINTON: Hyner [Buker (37194)]; also Renovo to Haneyville. FAYETTE: Connellsville [Buker (285444)]; also 3 mi SW of Brownsville; Cheat Haven; Dunbar; Killarney Park; New Geneva; Ohiopyle; 2-3 mi S of Ralph; Smock. FRANKLIN: 4.5 mi SE of Mercersburg [Henry & Buker (37313)]. FULTON: Warfordsburg [Buker & Beer (37388)]; also Dickeys Mountain.

POLYGONACEAE

Polygonum amphibium L. [including *P. coccineum* Muhl.] -- BEAVER: Shippingport [Henrici (37511)]. GREENE: Graysville [Buker (37713)].

Polygonum aviculare L. -- FAYETTE: Ohiopyle [Bright (37576)].

Polygonum caespitosum Blume var. **longisetum** (DeBruyn) Stewart -- CLINTON: 2-3 mi E of Grove [Henry & Buker (37587)]. WARREN: Irvine [Grisez 579]. WASHINGTON: Paris [Cusick 23225].

Polygonum cilinode Michx. -- CAMBRIA: Elton [Henry & Beer (37663)].

Polygonum convolvulus L. -- FOREST: West Hickory [Grisez 645]. WARREN: Warren [Moldenke 14552].

Polygonum cuspidatum Sieb. & Zucc. -- BUTLER: Meridian [Netting (37776)]. CAMBRIA: Barnesboro [Kline (38294)]. JEFFERSON: Timblin [Henry & Beer (37785)]. McKEAN: 3 mi W of Marshburg [Grisez 587]; also Allegheny National Forest. WASHINGTON: S of Mayview [Dart (37789)]; also McDonald.

Polygonum hydropiperoides Michx. -- BEAVER: Shippingport [Ohlsson 3324]. CLINTON: 3 mi S of Renovo [Buker (37827)]; also Keating. POTTER: Coudersport [Farnsworth (9292)]. WASHINGTON: Florence [Buker (37845)].

Polygonum lapathifolium L. -- CAMBRIA: Van Ormer [Buker (37906)].

Polygonum orientale L. -- CAMBRIA: Nicktown [Kline (37977)]. WESTMORELAND: Blairsville [Holmes (37963)].

Polygonum persicaria L. -- CAMERON: Truman [Henry & Buker (38146)].

Polygonum punctatum Ell. -- ELK: Medix Run [Buker (38213)]. POTTER: Wharton [Henry (38327)].

Polygonum sachalinense F. Schmidt ex Maxim. -- ALLEGHENY: Pittsburgh [Cusick 25784]. WARREN: W of McKean County line on PA 59 [Grisez 695].

Rumex altissimus Wood -- LAWRENCE: Ellwood City [Buker (38676)].

Rumex obtusifolius L. -- GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2067].

Rumex verticillatus L. -- ELK: Medix Run [Buker (38933)]. INDIANA: Smicksburg [Henry & Beer (38936)].

CHENOPODIACEAE

Chenopodium ambrosioides L. -- GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2042].

Chenopodium botrys L. -- WASHINGTON: New Eagle [Boufford & Foust 21188].

Chenopodium glaucum L. -- SOMERSET: Somerset [Cusick 26947].

Chenopodium standleyanum Aellen -- JEFFERSON: Brookville [Henry & Buker (39355)].

Kochia scoparia (L.) Roth -- ALLEGHENY: Pittsburgh [Cusick 25788]. SOMERSET: Somerset [Cusick 26944].

Salsola kali L. -- ALLEGHENY: Emsworth [Buker (39371)]; also McKeesport. BEAVER: Morado [Henry & Jennings (39373)]. FULTON: Big Tonoloway Creek [Buker (39372)].

AMARANTHACEAE

Amaranthus blitum [A. *lividus* L.] -- ERIE: Presque Isle [Grisez 942].

Amaranthus retroflexus L. -- WASHINGTON: 3.7 km ESE of Majorsville, West Virginia [Thompson & Nishida 2097].

PHYTOLACCACEAE

Phytolacca americana L. -- LAWRENCE: New Wilmington [Henlen 338].

AIZOACEAE

Mollugo verticillata L. -- ERIE: Presque Isle [Grisez 952].

PORTULACACEAE

Claytonia caroliniana Michx. -- BUTLER: Criders Corners [Hopkins (39657)]. MERCER: Perrine Corners [Buker & Erdman (39642)].

Claytonia virginica L. -- CAMERON: Sterling Run [Henry & Buker (39751)]. ERIE: North East [Selkregg (39775)]. FOREST: Brookston [Kosinski (39777)]. POTTER: Coudersport [Eimer (39770)]. WARREN: Warren [Simpson (39776)]; also Russell.

Portulaca grandiflora Hook. -- ALLEGHENY: Pittsburgh [Shafer (84663)]. BEAVER: Georgetown [Henrici (39729)].

Portulaca oleracea L. -- ALLEGHENY: Pittsburgh [Gittings (39739)]. WARREN: Warren [Grisez 540]. WASHINGTON: Washington [Wilson 205].

CARYOPHYLLACEAE

Agrostemma githago L. -- BEAVER: Beaver [Andriessen (39938)]. FAYETTE: Normalville [Utech 84-377]. SOMERSET: Scullton [Utech 84-353].

Arenaria serpyllifolia L. -- CAMERON: 2.8 mi N of Sinnemahoning [Buker (40007)]. CLARION: Bradys Bend [Buker (40008)]. VENANGO: Oil Creek State Park [Grisez 581]. WARREN: North Warren [Moldenke 15378].

Cerastium arvense L. -- McKEAN: Bradford [Buker (40088)]. UNION: Lewisburg [Clark (40089)].

Cerastium glomeratum Thuill. -- CAMERON: 7 mi NW of Driftwood [Buker (40184)]. ERIE: Erie [Farrell (40186)].

Dianthus armeria L. -- FOREST: 2.25 mi SW of West Hickory [Grisez 644]; also Endeavor. MERCER: 4.5 mi NW of Mercer [Buker (40275)]; also Drake; Leesburg. WARREN: Warren [Moldenke 15802].

Dianthus barbatus L. -- POTTER: 13 mi S of Coudersport [Thompson (40392)].

Dianthus deltoides L. -- ALLEGHENY: Monroeville [Phelps (40381)].

Lychnis coronaria (L.) Desr. -- ERIE: Presque Isle [Buker (40519)]. MERCER: Leesburg [Buker (40512)]. VENANGO: President [Buker (40518)].

Moehringia lateriflora (L.) Fenzl -- McKEAN: Coryville [Buker (39949)]. WARREN: Columbus [Jennings (39956)]. WESTMORELAND: Hillside [Buker (39958)]; also Tunnelton.

Myosoton aquaticum (L.) Moench -- ALLEGHENY: Fox Chapel [Buker (40490)]; also Mayview. CRAWFORD: State Game Land 214 [Bissell 1984:126]. ELK: Millstone [Buker (40489)]. FULTON: Big Tonoloway Creek [Buker (40504)]. LAWRENCE: mouth of Slippery Rock Creek [Buker (40485)]; also Connoquenessing Gorge.

Paronychia canadensis (L.) Wood -- CRAWFORD: Meadville [Darling (203234)].

Paronychia fastigiata (Raf.) Fern. -- ARMSTRONG: Freeport [Boardman (40603)]. GREENE: Jefferson [Henry & Buker (40604)].

Petrorhagia saxifraga (Scop.) Link -- ERIE: 3 mi W of Erie (escape) [Jennings (41550)].

Saponaria officinalis L. -- McKEAN: Bradford [Buker (40665)].

Scleranthus annuus L. -- MERCER: Sharon [Cusick 23645].

Silene armeria L. -- CLARION: Foxburg [Buker (40779)].

Silene dichotoma Ehrh. -- WASHINGTON: Florence [Henry & Beer (40815)].

Silene dioica (L.) Clairville -- ALLEGHENY: Pittsburgh [Bright (40526)]. CLARION: Cook Forest [Jennings (40524)]. CRAWFORD: 3 mi S of Meadville [Leberman (40523)].

Silene latifolia Poir. subsp. *alba* (Mill.) Greuter & Burdet [*S. alba* (Mill.) Krause] -- CAMERON: Emporium [Buker (40418)]. FAYETTE: Connellsville [Buker (40423)].

Silene noctiflora L. -- LAWRENCE: Plain Grove [Buker (40954)]. SOMERSET: New Baltimore [Jennings (40965)].

Silene stellata (L.) Ait. f. -- CAMBRIA: Johnstown [Jennings (41012)]; also Eckenrode Mill. ERIE: Waterford [Jennings (41018)]. MERCER: 5 mi NW of Mercer [Buker (40994)].

Silene virginica L. -- WARREN: Warren [Moldenke 16363].

Silene vulgaris (Moench) Garcke -- ALLEGHENY: Emsworth [Buker (40897)]; also Bradford Woods; Mt. Lebanon. CAMERON: 6 mi W of Driftwood [Buker (40890)]. FOREST: Tionesta [Buker (40891)]. INDIANA: Marchand [Henry (40925)]; also 3 mi NE of Saltsburg.

Spergula arvensis L. -- VENANGO: 5 mi SE of Oil City [Henry (41230)]. WARREN: North Warren [Moldenke 15809].

Stellaria alsine Grimm -- ARMSTRONG: Redbank [Bright (41330)]. VENANGO: Emlenton [Buker (25970)]. WARREN: 9 mi E of Warren [Grisez 589].

Stellaria graminea L. -- ARMSTRONG: 6 mi NNE of Leechburg [Henry & Beer (41420)]. CAMBRIA: 3.2 mi NW of Glasgow [Buker (41398)]. CAMERON: 6 mi W of Driftwood [Buker (41397)].

Stellaria longifolia Muhl. ex Willd. -- FULTON: Harrisonville [Buker (9906)]. WASHINGTON: Murdocksville [Mason (41441)].

Stellaria media (L.) Vill. -- JEFFERSON: Anita [Henry & Buker (41246)]. McKEAN: Lafayette [Buker (41250)].

Stellaria pubera Michx. -- McKEAN: Custer City [Buker (9894)].

Vaccaria pyramidata Medic. -- BUTLER: Callery [Bright (40756)]. CAMERON: Driftwood [Bright (40755)]. SOMERSET: between Confluence and Harnedsville [Buker (40754)]. VENANGO: President [Buker (40757)].

NYMFAEACEAE

Brasenia schreberi J.F. Gmel. -- CAMERON: 4 mi W of Driftwood [Buker (41786)].

Cabomba caroliniana Gray -- CRAWFORD: Meadville [Carling (10395)].

Nuphar lutea (L.) Sibth. & Sm. [including *N. advena* (Ait.) Ait. f.] -- ELK: 4 mi W of Dents Run [Henry & Buker (41637)]. INDIANA: Yellow Creek State Park [Polechko (unmounted)].

Nymphaea odorata Ait. [including *N. tuberosa* Paine] -- MERCER: Stoneboro [Buker (41734)]. WARREN: Akeley [Grisez 663]. WESTMORELAND: Rector [Nishida & Keplinger 756].

RANUNCULACEAE

Actaea pachypoda Ell. -- FULTON: Sideling Hill [Henry & Buker (41848)]. GREENE: 5 mi NW of Ryerson Station [Buker (41846)]. INDIANA: Glen Campbell [Henry & Beer (41796)]; also Pine Flats.

Actaea rubra (Ait.) Willd. -- CLINTON: Tamarack [Buker (42014)]. McKEAN: 3.3 mi N of Crosby [Buker (42003)].

Anemone canadensis L. -- ARMSTRONG: Parker [Buker (52988)]. HUNTINGDON: Sinking Valley [Bright (41966)]. INDIANA: 3 mi NE of Saltsburg [Jennings (41065)].

Anemone quinquefolia L. -- BRADFORD: Towanda [Young (42142)]. CLINTON: 3.7 mi W of Keating [Buker (42108)]; also 3 mi NW of Lock Haven. JEFFERSON: near Elk County line on PA 949 [Buker (42077)]; also 8 mi NE of Sigel; 5 mi SE of Sigel. UNION: Lewisburg [Savage (42040)]. WARREN: Irvine [Henry & Buker (42032)]; also 4.3 mi S of Corydon; Russell; Warren. WASHINGTON: Burgettstown [Bright (42030)].

Aquilegia canadensis L. -- GREENE: 3.6 km SSW of West Finley [Thompson & Nishida 2331]; also between Davistown and Bobtown. WARREN: 5.5 mi E of Columbus [Henry & Buker (42572)]; also Akeley; North Warren.

Aquilegia vulgaris L. -- ALLEGHENY: Glenshaw [Bright (42667)]; also Pittsburgh; Natrona. BEAVER: Industry [Andriessen (42665)]. FAYETTE: Ohiopyle [Buker (42662)]. FOREST: 10 mi NE of Marienville [Buker & Krouse (42659)]; also Clarington. McKEAN: N of Elk County line on US 219 [Buker (42656)]. POTTER: Coudersport [Barrie 16281]. WARREN: Warren [Simpson 14532].

Caltha palustris L. -- ARMSTRONG: Mahoning Creek [Henry & Buker (42757)]; also 2.5 mi NW of West Lebanon. BEAVER: Beaver [Andriessen (42813)]; also Bocktown; Mechanicsburg. CLARION: between Fisher and Strattonville [Buker (42756)]. WASHINGTON: Washington [Fulton (42823)].

***Cimicifuga americana** Michx. -- INDIANA: 2.5 mi N of Armagh [Henry & Beer (42950)].

Cimicifuga racemosa (L.) Nutt. -- CAMERON: 3 mi S of Emporium [Henry & Buker (43027)]. TIOGA: Wellsboro [Farnsworth WP-592].

Consolida ambigua (L.) Ball & Heywood [*Delphinium ajacis* L.] -- CAMBRIA: St. Benedict [Kline (43218)].

Coptis trifolia (L.) Salisb. [*C. groenlandica* (Oed.) Fern.] -- BUTLER: Blacks Creek [Lochner (unmounted)].

***Delphinium exaltatum** Ait. -- FAYETTE: Brownsville [Lewis (43203)].

Delphinium tricornis Michx. -- BUTLER: Ambridge [Harsh (43304)]; also Zelienople.

Helleborus viridis L. -- BUTLER: Connoquenessing [Belles (43410)].

Hepatica nobilis P. Mill. var. **obtusata** (Pursh) Steyererm. [*H. americana* (DC.) Ker-Gawl.] -- CAMERON: 3.1 mi E of Dents Run [Buker (43595)]. ELK: Weedville [Buker (43597)]. ERIE: Erie [Henlen (43551)]. FAYETTE: Mill Run [Henry (43569)]; also Indian Head; Ohiopyle. POTTER: Coudersport [Eimer 9].

Hydrastis canadensis L. -- CRAWFORD: Harmonsburg [Whitesides (252503)].

Ranunculus acris L. -- FAYETTE: Ohiopyle [Buker (9937)]. WASHINGTON: Bavington [Buker (202012)].

Ranunculus allegheniensis Britt. -- CLINTON: Lock Haven [Henry & Buker (44164)].

Ranunculus bulbosus L. -- ALLEGHENY: Pittsburgh [Buker (44275)]. WASHINGTON: 3 mi W of McMurray Road and US 19 [Utech, et al. 82-174].

Ranunculus flabellaris Raf. -- ERIE: Presque Isle [Van Dersal (44256)].

Ranunculus hispidus Michx. -- CAMERON: Sterling Run [Henry & Buker (44305)]. ELK: Grant [Buker (44295)]. McKEAN: N of Elk County line on US 219 [Buker (44392)].

***Ranunculus micranthus** Nutt. -- WASHINGTON: New Eagle [Buker (44472)].

Ranunculus repens L. -- BEAVER: Smiths Ferry [Henry (44756)]. FRANKLIN: Mercersburg [Porter (44735)]. McKEAN: Derrick City [Buker (44745)]. WARREN: Akeley [Buker (44748)].

Thalictrum dioicum L. -- CAMERON: 5 mi W of Emporium [Buker (45105)]. CLARION: Sarah Furnace [Henry & Buker (44967)]. CLINTON: Tamarack [Graffius (45020)]. POTTER: Galetton [Jolley (265026)].

Thalictrum revolutum DC. -- BUTLER: no further locality [Passavant (45342)]. CLEARFIELD: Clearfield [Jennings (45335)]. CRAWFORD: Meadville [no collector (74607)].

Thalictrum thalictroides (L.) Eames & Boivin [*Anemonella thalictroides* (L.) Spach] -- CAMERON: 3 mi S of Emporium [Henry & Buker (42369)].

BERBERIDACEAE

Berberis thunbergii DC. -- ELK: Dahoga [Griseb 546]. ERIE: Presque Isle [Bright (45431)]. VENANGO: 5 mi SE of Oil City [Henry (45421)]. WARREN: 8 mi SE of Warren [Griseb 553].

Berberis vulgaris L. -- ELK: Medix Run [McClelland (45406)]. LAWRENCE: Rock Point [Leberman (45393)].

MENISPERMACEAE

Menispermum canadense L. -- WARREN: Buckaloons Recreation Area [Grisez 354].

MAGNOLIACEAE

Liriodendron tulipifera L. -- CAMERON: Sinnemahoning State Park [Buker (45862)]. FOREST: Allegheny National Forest [Buker (45848)]. POTTER: 4 mi N of Cameron [Buker (45870)]. WASHINGTON: 3.7 km ESE of Majorsville, West Virginia [Thompson & Nishida 2413]; also California.

ANNONACEAE

Asimina triloba (L.) Dunal -- ADAMS: Iron Springs [Henry & Buker (45969)]. LAWRENCE: Neshannock Falls [Jennings (46017)].

LAURACEAE

Lindera benzoin (L.) Blume -- McKEAN: Ormsby [Grisez 535]. VENANGO: Utica [Henry & Beer (46093)].

Sassafras albidum (Nutt.) Nees -- CAMERON: 7 mi NW of Emporium [Henry & Roslund (46165)]. GREENE: Deep Valley [Henry (46170)]. McKEAN: 5 mi W of Marshburg [Grisez 622].

PAPAVERACEAE

Chelidonium majus L. -- CAMBRIA: Flinton [Buker (202010)]; also Johnstown; 3 mi SE of Martindale; Nicktown. CAMERON: Sterling Run [Buker (46302)]. JEFFERSON: 3.5 mi S of Ohl [Henry & Beer (46336)]. WARREN: North Warren [Moldenke 14666].

Papaver rhoeas L. -- FRANKLIN: Sylvan [Buker (46745)]. FULTON: Big Tonoloway Creek [Buker (46748)]; also Harrisonville. HUNTINGDON: Marklesburg (escape) Knepp (46746)].

Sanguinaria canadensis L. -- CLARION: Sarah Furnace [Buker (46771)]. CLINTON: 3 mi SW of Westport [Henry & Buker (46831)]. FOREST: Tionesta [Buker & Henry (46773)]. VENANGO: Oil City [Patterson (46848)].

FUMARIACEAE

Adlumia fungosa (Ait.) Greene ex B.S.P. -- SOMERSET: Fairhope [Buker (46263)]; also Williams.

Corydalis flavula (Raf.) DC. -- CRAWFORD: Pymatuning [Van Dersal (46446)]. ERIE: Presque Isle [Henlen (46445)]. LAWRENCE: Ellwood City [Henry & Buker (46447)]. SOMERSET: 6 mi E of Wellersburg [Henry & Beer (46429)]. VENANGO: Lisbon [Mozingo (46421)].

Corydalis sempervirens (L.) Pers. -- CAMERON: Emporium [Buker (46494)]. POTTER: Coudersport [Wible 617].

Dicentra canadensis (Goldie) Walp. -- CLINTON: Hyner [Buker (46563)]. INDIANA: 2.5 mi N of Armagh [Henry & Beer (46573)]. LAWRENCE: 2.5 mi NW of Eastbrook [Buker (46597)]; also New Castle. WARREN: 4.6 mi SW of Kinzua [Henry & Buker (46591)]; also 3 mi E of Columbus; Warren.

Dicentra cucullaria (L.) Bernh. -- CAMERON: 3 mi NW of Driftwood [Buker (46672)]. CLINTON: Hyner View [Henry & Buker (46642)]. FULTON: Dickeys Mountain [Buker (46671)]. LAWRENCE: 2.5 mi NW of Eastbrook [Buker (46674)]. SOMERSET: Confluence [Henry (46656)].

BRASSICACEAE

Alliaria petiolata (Bieb.) Cavara & Grande -- CLARION: Sarah Furnace [Buker (9900)]. GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2337]; also 2.4 mi E of Rogersville; 4 mi N of Ryerson. WARREN: Irvine [Grisez 531]; also West Hickory. WASHINGTON: West Finley [Thompson & Nishida 2310]; also Lawrence; Paris. WESTMORELAND: Rector [Leberman (46933)].

Alyssum alyssoides (L.) L. -- FULTON: Tuscarora Mountain [Buker (47038)]; also Harrisonville.

Arabis canadensis L. -- ERIE: Weis Library Woods [Jennings (47067)]; also Presque Isle.

Arabis glabra (L.) Bernh. -- FAYETTE: Ohiopyle [Jennings & Graham (47145)]. FULTON: Harrisonville [Buker (47118)].

Arabis laevigata (Muhl. ex Willd.) Poir. -- CAMERON: Sterling Run [Henry & Buker (47425)]. CLARION: Sarah Furnace [Henry & Buker (47163)]. CLINTON: 3 mi NW of Lock Haven [Henry & Buker (47232)]; also Hyner; 5 mi NW of Keating; 5 mi E of Sinnemahoning. JEFFERSON: Heathville [Henry & Beer (47434)]. POTTER: 13 mi S of Coudersport [Thompson (47433)]. WARREN: 2.5 mi S of Tidioute [Henry (47178)].

Arabis lyrata L. -- CAMERON: 7 mi NW of Driftwood [Buker (47331)]. GREENE: Jefferson [Henry & Beer (47367)].

Arabis patens Sulliv. -- CLEARFIELD: 2.6 mi E of Bells Landing [Henry (47410)]. FULTON: Big Tonoloway Creek [Bright (47411)].

Arabis shortii (Fern.) Gleason [*A. perstellata* E.L. Br. var. *shortii* Fern.] -- UNION: Lewisburg [Manning (47403)].

Armoracia rusticana (Lam.) Gaertn., Mey. & Scherb. -- ERIE: Union City [Buker (46983)]. WESTMORELAND: 3 mi E of Greensburg [Demoise (46989)].

Barbarea vulgaris R.Br. -- LAWRENCE: Eastbrook [Henry & Beer (47517)].

Brassica juncea (L.) Czern. -- ARMSTRONG: Parkers Landing [Henry & Buker (47685)]. BEAVER: Big Traverse Creek [Buker & Henrici (47691)]; also Shippingport. CRAWFORD: 3 mi SSE of Meadville [Leberman (47684)]. FOREST: 5 mi N of Tionesta [Buker (47708)]. GREENE: Jefferson [Henry & Beer (47693)]. McKEAN: Kane [Bright (47690)]. SOMERSET: Roaring Fork of Shade Creek [Henry & Buker (47694)]. VENANGO: Emlenton [Henry (47682)]. WASHINGTON: New Eagle [Buker (47706)]; also Mingo Creek.

Brassica nigra (L.) Koch -- ERIE: Erie [Bright (47748)]; also Presque Isle. LAWRENCE: Chewton to Rock Point [Shafer (47741)]. SOMERSET: 4 mi N of Somerset [Jennings (47744)].

Brassica oleracea L. -- CRAWFORD: Hartstown [Bright 1751].

Camelina microcarpa Andr. ex DC. -- ALLEGHENY: Emsworth [Boufford, et al. 21123].

Camelina sativa (L.) Crantz -- ALLEGHENY: Highwood Cemetery [Ferguson (224391)].

Capsella bursa-pastoris (L.) Medic. -- CAMERON: N of Clearfield County line along Sinnemahoning-Piper road [Buker (47751)]; also Cameron. FAYETTE: 2-3 mi S of Ralph [Henry & Beer (47781)]; also Ohiopyle.

Cardamine bulbosa (Schreb. ex Muhl.) B.S.P. -- FOREST: 3 mi SE of Tionesta [Buker (47913)]; also West Hickory.

Cardamine concatenata (Michx.) O.E. Schulz [*Dentaria laciniata* Muhl.] -- CLINTON: Hyner View [Henry & Buker (48674)]. CRAWFORD: Conneaut [Buker (48676)]. ELK: 2.3 mi W of Grant [Buker (48818)]. McKEAN: 5 mi NW of Marshburg [Buker (48672)].

Cardamine douglassii Britt. -- ERIE: Mill Village [Buker (48009)]; also Union City.

Cardamine hirsuta L. -- ERIE: Presque Isle [Grisez 710]. FAYETTE: Connellsville [Buker (48060)]. WASHINGTON: West Finley [Thompson & Nishida 2243].

Cardamine parviflora L. var. *arenicola* (Britt.) O. Schulz -- ARMSTRONG: Mahoning Creek [Henry & Buker (48152)]. CLARION: Sarah Furnace [Buker (48132)]; also 4 mi NNE of Sligo. INDIANA: Saltsburg [Henry (48142)]. SOMERSET: Wellersburg [Buker (48147)]; also 3 mi NE of Ursina.

**Cardamine pratensis* L. -- CRAWFORD: Cambridge Springs [Buker & Grisez (285469)]. FOREST: West Hickory [Grisez 575]. McKEAN: Coryville [Buker (48349)]; also Eldred. VENANGO: Oil Creek State Park [Grisez 965]. WARREN: 5 mi N of North Warren [Buker (48347)]; also Russell.

Cardamine rotundifolia Michx. -- BEAVER: Beaver-Conway and Ambridge roads [Henry (48402)]; also Smiths Ferry. FOREST: East Hickory [Henry & Buker (48350)]. LAWRENCE: Slippery Rock Creek [Buker (48410)]; also Pulaski; Quakertown.

Diplotaxis tenuifolia (L.) DC. -- ALLEGHENY: Gibsonia [Wallace (48435)].

Erophila verna (L.) Chev. [*Draba verna* L.] -- CRAWFORD: Linesville [Buker (48788)]. SOMERSET: Stoystown [Patterson (48789)].

Erysimum cheiranthoides L. -- ERIE: E of Ohio border along Lake Erie [Henry & Buker (48907)].

Hesperis matronalis L. -- CLINTON: North Bend [Buker (202026)]. CRAWFORD: Saegertown [Buker (48881)]; also Meadville. LAWRENCE: Ellwood City [Buker (48885)].

Iberis umbellata L. -- ALLEGHENY: Dixmont [Buker (48945)].

**Iodanthus pinnatifidus* (Michx.) Steud. -- LAWRENCE: Ellwood City [Buker (48930)].

Lepidium campestre (L.) R.Br. -- ARMSTRONG: Muff [Henry (49049)]; also 3 mi SE of Kelly Station; Queenstown; 2.5 mi N of Worthington. CAMERON: Truman [Henry & Buker (49081)]. FAYETTE: Masontown [Henry & Beer (48990)]; also 3 mi S of Normalville. FOREST: Tionesta [Buker & Henry (49080)]. LAWRENCE: New Wilmington [Krouse (48992)]; also New Castle.

Lepidium virginicum L. -- CRAWFORD: 3-4 mi N of Hartstown [Buker (49031)]; also Meadville; Pymatuning.

Lobularia maritima (L.) Desv. -- BEAVER: no further locality [Andriessen (49132)].

Lunaria annua L. -- ERIE: Presque Isle [Grisez 784]. WESTMORELAND: 3.5 mi S of Rector [Mulvihill & Leberman (unmounted)].

Nasturtium officinale R.Br. -- ALLEGHENY: Toms Run [Buker (49186)]. CAMBRIA: Martindale [Buker (49180)]; also Nicktown. FAYETTE: 3 mi SSE of Champion [Polechko (304446)]. McKEAN: Halsey [Buker (49179)]. POTTER: Coudersport [Barrie (49194)]. WASHINGTON: 3.7 km ESE of Majorsville, West Virginia [Thompson & Nishida 2534]; also Monongahela; Washington.

Raphanus raphanistrum L. -- CAMBRIA: Johnstown [Jennings (49259)]. CRAWFORD: 6 mi S of Meadville [Henry (49257)]. FAYETTE: Indian Head [Jennings (49252)]. LAWRENCE: Wurtemberg [Buker & Henrici (49249)]; also New Wilmington. VENANGO: 5 mi NE of Lisbon [Buker (49246)].

Raphanus sativus L. -- BEAVER: Raccoon Creek and Little Traverse Creek [Henrici (49235)]. CAMBRIA: Nicktown [Kline (49238)]. CRAWFORD: Hartstown [Bright (49239)]. ERIE: Titus Bog [Buker (49241)]; also Erie. FAYETTE: Markleysburg Bog [Buker (49242)]; also Indian Head.

**Rorippa palustris* (L.) Bess. -- CAMERON: 8 mi NW of Emporium [Henry & Roslund (49304)]; also Driftwood. CRAWFORD: 6 mi S of Meadville [Henry (49302)]; also Cambridge Springs; Harmonsburg; Townville. VENANGO: 5 mi NE of Lisbon [Baker (49337)].

Rorippa sylvestris (L.) Bess. -- FAYETTE: Addison [Cusick 27121].

Sisymbrium altissimum L. -- CAMBRIA: Johnstown [Jennings (49410)].

Thlaspi arvense L. -- CAMERON: Huntley [Baker (49449)]. FAYETTE: Connellsville [Baker (49450)].

Thlaspi perfoliatum L. -- GREENE: 2.4 mi E of Rogersville [Baker & Henry (49445)]. HUNTINGDON: Orbisonia [Baker (49444)].

CAPPARIDACEAE

Polanisia dodecandra (L.) DC. -- CAMBRIA: Patton [Little (46968)]. LAWRENCE: Slippery Rock Creek [Baker (46961)]. MERCER: Harrisville [Henry & Beer (46967)]. MIFFLIN: Reedsville [Bright (46978)].

DROSERACEAE

Drosera rotundifolia L. -- McKEAN: Catherine Swamp [Grisez 342]. WESTMORELAND: Laurel Summit Glade [Leberman (49522)].

PODOSTEMACEAE

**Podostemon ceratophyllum* Michx. -- ALLEGHENY: Buttermilk Falls [Britton (49521)].

CRASSULACEAE

Sedum acre L. -- WAYNE: southern Wayne County [Bright (49640)].

Sedum telephium L. -- ERIE: Cherry Hill [Henry & Baker (49615)]. POTTER: Coudersport [Farnsworth TR-769]. WASHINGTON: 8 mi NE of Prosperity [Henry & Beer (49622)].

Sedum ternatum Michx. -- CRAWFORD: Pymatuning Swamp [Van Dersal 1940]. ERIE: Elk Creek at PA 98 [Baker (49681)].

SAXIFRAGACEAE

Chrysosplenium americanum Schwein. ex Hook. -- CAMERON: 3 mi N of Emporium [Henry & Baker (49758)]. FAYETTE: Gibbon Glade [Baker (49801)]; also Elliottsville; Indian Head; Ohiopyle. GREENE: Wind Ridge [Baker (9825)]. VENANGO: Wyattville [Henry & Beer (49779)]; also Utica. WASHINGTON: Paris [Baker & Henry (49761)].

Heuchera americana L. -- BLAIR: Blue Knob [Utech 84-491]. COLUMBIA: 3 mi S of Bloomsburg [True 254]. FULTON: 2.5 mi SE of Warfordsburg [Baker & Beer (49883)].

Hydrangea arborescens L. -- CRAWFORD: Cochranon [Leberman (50124)]. POTTER: 13 mi S of Coudersport [Thompson (49991)]; 2.5-4 mi S of Conrad [Graham 7]. WARREN: 4 mi S of Sheffield [Grisez 497].

Mitella diphylla L. -- FULTON: Licking Creek at PA 928 [Baker (50260)]; also Amaranth.

Penthorum sedoides L. -- CAMBRIA: 2.5 mi SE of Patton [Henry (50450)]; also 5 mi NE of Patton. INDIANA: Heilwood [Henry & Beer (50408)]; also Willet; Yellow Creek at PA 259. WASHINGTON: 3.7 km ESE of Majorsville, West Virginia [Thompson & Nishida 2104]; also Claysville; Florence; 3 mi S of West Finley.

Ribes americanum P. Mill. -- BEAVER: Freedom [Shafer & Shafer (50525)]. FULTON: Harrisonville [Henry & Baker (50500)]. LAWRENCE: Plain Grove [Baker (25967)]; also New Castle.

Ribes cynosbati L. -- CLINTON: Renovo [Baker (202033)].

Ribes glandulosum Grauer -- CRAWFORD: Hartstown [Bright (50688)].

Ribes hirtellum Michx. -- ARMSTRONG: 6 mi N of Kittanning [Krouse (50668)]. FULTON: Harrisonville [Henry & Baker (50671)]. VENANGO: 3.5 mi NW of Cooperstown [Henry (50673)]. WARREN: Pine Valley [Bright (50674)].

**Ribes lacustre* (Pers.) Poir. -- WARREN: North Warren [Moldenke (15585)].

Ribes odoratum H. Wendl. -- BEAVER: 3 mi W of Beaver [Andriessen (50756)].

Ribes rotundifolium Michx. -- ALLEGHENY: Sandy Creek [Fricke (50740)]. ARMSTRONG: Kittanning [Jennings (50713)]. CAMERON: Sinnemahoning [Baker (202019)]. TIOGA: Wellsboro [Jennings & Jennings (50741)]. VENANGO: Franklin [Jennings (50706)]. WASHINGTON: Witherow [Mason (50792)].

Ribes rubrum L. -- FAYETTE: Markleysburg Bog [Baker (50801)]; also Wymys Gap. FOREST: 3 mi SW of Tionesta [Baker (50794)]. FULTON: Amaranth [Henry & Baker (50808)]. INDIANA: Marion Center [Baker & Beer (50800)]. NORTHUMBERLAND: Pottsgrove [Manning (50795)]. WESTMORELAND: Greensburg [Demoise (50815)].

**Ribes triste* Pallas -- CRAWFORD: Pennline [*Cusick* 23360].

Saxifraga pensylvanica L. -- FOREST: Endeavor [*Leberman* (50851)]. INDIANA: Cherry Tree [*Jennings* (50895)].

Saxifraga virginiana Michx. -- CAMERON: 3 mi NW of Driftwood [*Baker* (50955)]; also Sterling Run. CLARION: Blairs Corners [*Baker* (51060)]; also Curllsville. CLINTON: 3.7 mi W of Keating [*Baker* (50949)]; also 3 mi SW of Westport. CRAWFORD: Saegertown [*Baker* (51037)]; also Meadville. ELK: Caledonia [*Baker* (50905)]. ERIE: Elk Creek [*Anderson & Anderson* (50983)]. WARREN: Warren [*Simpson* 14520].

PLATANACEAE

Platanus occidentalis L. -- CRAWFORD: French Creek [*Murray* (51600)]. LAWRENCE: 7 mi above Ellwood City [*Graham* (51599)]. POTTER: Burtville [*Eimer* 81].

ROSACEAE

Agrimonia gryposepala Wallr. -- BRADFORD: Laguin [*Westerfeld* (51724)]. GREENE: Sycamore [*Henry & Baker* (51697)]; also Deep Valley; 2.2 mi E of Graysville; Rutan. WASHINGTON: Florence [*Baker* (51661)]; also Washington.

**Agrimonia microcarpa* Wallr. -- BUTLER: 3 mi N of Meridian [*Henry* (51794)]. CLEARFIELD: 3 mi W of Lumber City [*Henry* (51789)]. CRAWFORD: 3 mi SE of Meadville [*Leberman* (51792)]. FAYETTE: 3 mi SE of Dunbar [*Henry* (51791)]. MERCER: Carlton [*Henry & Beer* (51793)].

Agrimonia parviflora Ait. -- ERIE: E of Ohio border along Lake Erie [*Henry & Baker* (51772)]. FAYETTE: 3.5 mi E of Dunbar [*Mozingo* (51770)]; also Indian Creek Valley. WARREN: 3.5 mi SW of Cherry Grove [*Grisez* 657]. WASHINGTON: Bavington [*Baker* (51780)]; also 5 mi S of Claysville; Taylorstown.

Agrimonia pubescens Wallr. -- CAMERON: 3 mi S of Emporium [*Henry & Baker* (51913)]. ERIE: Elk Creek [*Henry & Baker* (51934)]; also Waterford. FOREST: 4 mi SW of Tionesta [*Baker* (51860)]. POTTER: Coudersport [*Farnsworth TR-455*]; also 3 mi S of Carter Camp. TIOGA: Marshlands [*Wible* (51859)]. VENANGO: Freedom [*Baker* (51869)]; also 2.5 mi N of Springville. WARREN: North Warren [*Moldenke* 15563].

Agrimonia rostellata Wallr. -- BEAVER: Shippingport [*Ohlsson* 3567]. CAMERON: 3 mi N of Emporium [*Henry & Baker* (51830)]. CLINTON: Gleasonston [*Henry* (51837)]. CRAWFORD: Conneaut Lake [*Shafer* 1818]. FULTON: 5 mi N of Harrisonville [*Baker* (51834)]; also Big Cove Tannery. LAWRENCE: Wurtemberg [*Shafer* (51844)]. McKEAN: 5 mi N of Port Allegany [*Henry* (51836)]. POTTER: 6 mi SE of Coneville [*Henry* (51840)]; also Galetton. SUSQUEHANNA: Elkdale [*Fogg* 12182]. UNION: Lewisburg [*Manning* (51829)].

Amelanchier arborea (Michx. f.) Fern. -- CAMBRIA: Cresson [*Jennings* (52185)]. CAMERON: Miller [*Jennings* (51988)]. LAWRENCE: Wampum [*Henry* (52144)]; also New Castle.

**Amelanchier bartramiana* (Tausch) Roemer -- McKEAN: Ormsby [*Robinson, et al.* (9587)].

Amelanchier laevis Wieg. -- CRAWFORD: Pymatuning Swamp [*Graham* (52268)]; also Spartansburg.

**Amelanchier sanguinea* (Pursh) DC. -- BERKS: Reading [*Berkheimer* 3527].

Aronia prunifolia (Marsh.) Rehd. -- ADAMS: 7 mi NE of Caledonia [*Baker* (54914)]. BUTLER: West Liberty [*Jennings* (54893)]. CLARION: 4 mi NW of Clarion [*Baker* (54877)]. CRAWFORD: Harmonsburg [*Baker* (265782)]; also Hartstown; 3 mi ESE of Meadville. ELK: Midmont Swamp [*Boardman* (54900)]. JEFFERSON: Sigel [*Baker* (21246)]. MERCER: Carlton [*Wiegman* (54875)]; also 2 mi W of Harrisville. VENANGO: Franklin [*Baker* (54885)]; also 4.3 mi SW of Pleasantville. WARREN: 3 mi NE of Columbus [*Henry* (54879)].

Aruncus dioicus (Walt.) Fern. -- CLARION: Sarah Furnace [*Baker* (17412)].

Crataegus brainerdii Sarg. -- ALLEGHENY: Deer Creek [*Bright* (25533)].

Crataegus calpodendron (Ehrh.) Medic. -- ALLEGHENY: Guyasuta Run [*Patterson* (43697)]; also Glenwood.

Crataegus crusgalli L. -- BEAVER: Ambridge [*Graham* (113286)]; also Smiths Ferry. CAMERON: Driftwood [*Jennings & Jennings* (113294)]. CRAWFORD: Hartstown [*Bright* 1779]. INDIANA: Rochester Mills [*Henry & Beer* (113296)]. LAWRENCE: 7 mi W of New Castle [*Henry & Beer* (113298)]. MERCER: 4 mi NE of Clarksville [*Henry & Beer* (113299)]; also New Wilmington. PERRY: Duncannon [*Adams & Adams* 2964]. SOMERSET: Stoystown [*Patterson* (113306)]. WASHINGTON: Charleroi [*Bright* (113307)].

Crataegus x disperma Ashe -- ALLEGHENY: Pittsburgh [*Jennings* (113312)].

Crataegus dodgei Ashe -- WESTMORELAND: 2.5 mi SE of Greensburg [*Demoise* (158007)].

Crataegus intricata Lange -- FULTON: 2.5 mi SE of Warfordsburg [*Baker & Beer* (158017)].

Crataegus iracunda Beadle [including *C. populnea* Ashe] -- WASHINGTON: 3 mi SW of Charleroi [*Jennings* (157955)].

Crataegus prona Ashe [*A. gravis* Ashe] -- CAMBRIA: St. Lawrence [*Jennings* (113347)].

Crataegus pruinosa (Wendl.) K. Koch -- BEAVER: Reardons Run [*Henrici* (157968)]; also Ambridge. BUTLER: 4 mi NE of Harmony [*Henry* (157971)]. DAUPHIN: 16 mi from Dauphin [*Bright* 2106]. FAYETTE: Connellsville [*Canby* 38]. VENANGO: Titusville [*Shields* (157976)]. WARREN: Corydon [*Fogg* 19534].

Crataegus punctata Jacq. -- ARMSTRONG: Kittanning [Neale (157990)]. BEAVER: Raccoon Creek [Bright (157991)]. ELK: Johnsonburg [Jennings (157995)]. INDIANA: Yellow Creek [Henry & Beer (157996)]. POTTER: Coudersport [Eimer (157998)].

Crataegus succulenta Link -- ALLEGHENY: Harmarville [Bright (158008)]; also Moon. BEAVER: Raccoon Creek [Bright (158013)]. ERIE: Presque Isle [Bright (158014)]. MERCER: Sharon [Aschman (158011)].

Cydonia oblonga P. Mill. -- ALLEGHENY: Elizabeth [Bright (158027)].

Dalibarda repens L. -- JEFFERSON: Brookville [Henry & Buker (158029)]; also 2.5 mi S of Allens Mills; Rossiter.

Filipendula rubra (Hill) B.L. Robins. -- BEAVER: no further locality [Mansfield (158032)]. CAMERON: Sinnemahoning Creek [Bright (158035)]. CLARION: Cooks Forest [Gruber (158033)]. CLEARFIELD: Clearfield to Pottersdale [Jennings (158034)]. CRAWFORD: 2.5 mi S of Guys Mills [Leberman (158036)]. ELK: Toby Creek Road [Grimm (158037)]. TIOGA: Marshlands [Wible 569]. WARREN: Allegheny Forest [Wible (158038)]; also Columbus.

Filipendula ulmaria (L.) Maxim. -- BEAVER: no further locality [Mansfield (158032)]. CRAWFORD: Sugar Lake [Leberman (158036)]. ERIE: Lowville [Buker (158037)]; also Benson Swamp; 3 mi N of Edinboro. WARREN: Clarendon [Grisez 584].

Fragaria vesca L. -- CRAWFORD: Hydetown [Buker (158040)]; also Pymatuning Swamp.

Fragaria virginiana P. Mill. -- CAMERON: 3 mi S of Emporium [Henry & Buker (158041)].

Geum aleppicum Jacq. -- CLARION: Cook Forest [Jennings (158042)]. FULTON: Big Tonoloway Creek [Buker (158043)]. WESTMORELAND: Greensburg [Elliot (158044)].

Geum laciniatum Murr. -- SOMERSET: 6 mi E of Listonburg [Henry & Buker (158045)]; also Somerset.

Geum rivale L. -- ALLEGHENY: 3 mi SE of Bakerstown [Jennings (158046)]. FOREST: Brookston [Kosinski (158047)].

Geum virginianum L. -- GREENE: Jefferson [Henry & Buker (158048)]; also Mt. Morris. SOMERSET: Stoystown [Patterson (158049)].

Malus coronaria (L.) P. Mill. -- LAWRENCE: Neshannock Falls [Henry & Beer (158050)]; also Slippery Rock Creek. WARREN: Cornplanter [Buker (158051)]; also Warren.

Physocarpus opulifolius (L.) Maxim. -- CRAWFORD: NE of US 522 on PA 173 [Buker (158052)]. ERIE: Waldameer Park [Henlen (158053)]. McKEAN: Bullis Mill [Buker (158054)]. POTTER: 5 mi S of Coudersport [Buker (158055)].

Porteranthus trifolius (L.) Britt. [*Gillenia trifoliata* (L.) Moench] -- WASHINGTON: Hanlin [Buker (158056)]; also Amity; Murdocksville; Thornburg.

Potentilla argentea L. -- SOMERSET: Ursina [Buker (158057)].

Potentilla arguta Pursh -- LAWRENCE: Elwood City [Buker (158058)].

Potentilla canadensis L. -- CLARION: Parkers Landing [Buker (158059)]; also Sarah Furnace; Shippensburg. SOMERSET: Sand Patch [Henry (158060)]; 5.5 mi SE of Somerset; Quemahoning Reservoir.

Potentilla intermedia L. -- ALLEGHENY: Emsworth [Buker (158061)]; also Mt. Nebo.

Potentilla recta L. -- CAMERON: Truman [Henry & Buker (158062)]. CLINTON: 5 mi W of Lock Haven [Buker (158063)]; also State Camp; Tamarack Swamp. FAYETTE: 4 mi N of Masontown [Henry & Buker (158064)]; also Ohiopyle. GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2417]; also Sycamore; 3 mi NE of Waynesburg. MERCER: 4.5 mi NW of Mercer [Buker (158065)]; also Drake; Leesburg.

Potentilla simplex Michx. -- LAWRENCE: 5 mi N of Elwood City [Buker (158066)].

Prunus alleghaniensis Porter -- CLARION: Sarah Furnace [Buker (158067)].

Prunus americana Marsh. -- FAYETTE: Ellitsville [Henry & Buker (158068)]; also Mill Run. LAWRENCE: 2.5 mi NW of Eastbrook [Buker (158069)].

Prunus avium (L.) L. -- CLARION: Curllsville [Henry & Buker (158070)]; also St. Petersburg. FAYETTE: 6 mi W of Scullton [Henry & Beer (158071)]. VENANGO: 5 mi SE of Oil City [Henry (158072)].

Prunus cerasus L. -- ALLEGHENY: Pittsburgh [Schaeffer (158073)]; also Emsworth.

Prunus pensylvanica L.f. -- ALLEGHENY: Pittsburgh [Auld (158074)]. ARMSTRONG: Parker [Henry & Buker (158075)]; also Mahoning Creek. BEAVER: 6 mi S of Darlington [Henry & Beer (158076)]. LAWRENCE: Slippery Rock Creek at Muddy Creek [Buker (158077)].

Prunus persica (L.) Batsch -- WARREN: Warren [Moldenke 15327].

Prunus pumila L. [including *P. depressa* Pursh] -- BUTLER: Freeport [Buker (158078)]. CLARION: Redbank [Bright (158079)].

Prunus virginiana L. -- GREENE: 5 mi N of Point Marion [Buker (158080)]. LAWRENCE: Slippery Rock Creek [Buker (158081)]; also Eastbrook; Neshannock Falls.

Pyrus communis L. -- ALLEGHENY: Barking [Jennings (158082)]; also Pittsburgh; Rosslyn Farms.

Rhodotypos scandens (Thunb.) Makino -- ERIE: Presque Isle [Grisez 969]. HUNTINGDON: Orbisonia [Buker (158083)].

Rosa blanda Ait. -- ARMSTRONG: Cowanshannock [Bright (55091)]. BEAVER: Reardons Run [Henrici (55090)]. POTTER: Sweden Valley [Shaw (55095)].

Rosa canina L. -- ELK: St. Marys [Jennings (55081)]. MERCER: 3 mi S of Sandy Lake [Buker (55075)]. WASHINGTON: Van Emman [Grimm (55080)].

Rosa carolina L. -- CAMBRIA: Johnstown [Jennings (55212)]; also 2.5 mi N of Nicktown. CAMERON: 6 mi W of Driftwood [Buker (55168)]; also 5 mi SE of Driftwood. CRAWFORD: Conneaut Lake [Shafer (55223)]; also 3 mi S of Meadville. JEFFERSON: Heathville [Henry (55146)]; also Hamilton. LACKAWANNA: Scranton [Henry (55126)]. MERCER: 3.5 mi NE of Sharpsville [Buker (55182)]; also Drake; Mercer; 5 mi SW of Sandy Lake. POTTER: Coudersport [Barrie 16392]. WASHINGTON: 7 mi SE of Washington [Buker (55252)]; also Charleroi; Hendersonville.

Rosa eglanteria L. [*R. rubiginosa* L.] -- ALLEGHENY: Keown Station [Patterson (55114)]. CRAWFORD: Conneaut Falls [Shafer (55110)]. FAYETTE: Cheat Haven [Bright (55106)]. PERRY: New Bloomfield [Jennings & Jennings (55117)]. WASHINGTON: Charleroi [Jennings (55116)]. WESTMORELAND: 3 mi E of Greensburg [Demoise (55107)]; also New Florence.

Rosa micrantha Sm. -- CRAWFORD: Pymatuning [Buker (55273)]. ERIE: Elk Creek and PA 98 [Henry & Buker (55272)]. FRANKLIN: Mont Alto [Miller (55276)]. YORK: McCall Ferry [Smith (55275)].

Rosa multiflora Thunb. ex Murr. -- ALLEGHENY: Elizabeth [Wood, et al. 4210]; also Oakdale; Pittsburgh. WARREN: Warren [Grisez 530]. WASHINGTON: West Finley [Buker (55303)]; also 3 mi W of McMurray Road and US 19.

Rosa palustris Marsh. -- ADAMS: 3 mi W of Arendtsville [Knepp (55336)]. CAMBRIA: 5-8 mi NE of Patton [Kline (55319)]. FAYETTE: Markleysburg Bog [Henry & Buker (55315)]; also Indian Creek Valley; Seatons Lake. GREENE: Ryerson [Henry & Beer (55352)]. LAWRENCE: 3.3 mi NW of Plain Grove [Buker (55367)]; also 2.5 mi W of McConnells Mill. POTTER: Colesburg [Eimer (55330)]; also Coudersport. SNYDER: between Shamokin Dam and Richfield [Jennings (55337)]. UNION: Lewisburg [Manning (55309)]. VENANGO: Mariasville [Buker (55342)]. WASHINGTON: 2-3 mi N of Burgettstown [Henry & Buker (55308)].

Rosa setigera Michx. -- ALLEGHENY: Squaw Run [Shafer (55394)]; also Pittsburgh; 4-5 mi W of Allegheny River on Kittanning Road. ERIE: Presque Isle [Grisez 991].

***Rosa virginiana** P. Mill. -- ADAMS: 3 mi W of Arendtsville [Knepp 1-19]. ALLEGHENY: Pittsburgh [Jennings (55434)]; also Bull Creek; Keown; Squaw Run. ARMSTRONG: no further locality [Knipe (55444)]. CAMBRIA: St. Lawrence [Jennings (55431)]. CRAWFORD: Harmonsburg [Patterson (55431)]; also Meadville. DELAWARE: Tinicum [Smith (55455)]; also Middletown. ERIE: Presque Isle [Shafer (55446)]. FAYETTE: Ohiopyle [Shafer (55440)]. MERCER: Sharon [Aschman (55433)].

Rosa wichuraiana Crepin -- CLINTON: North Bend [Buker (202025)]. GREENE: 3.6 km SSW of West Finley [Nishida & Bier 701].

Rubus allegheniensis Bailey -- FOREST: Tionesta [Shields (55555)]; also 2.5 mi SW of West Hickory.

Rubus canadensis L. -- CRAWFORD: Cambridge Springs [Bright (55606)]. FAYETTE: Ohiopyle [Bright 1868]. NORTHAMPTON/LEHIGH: Bethlehem [Wolle (55624)].

Rubus flagellaris Willd. -- SNYDER: Richfield [Jennings (55685)].

Rubus hispidus L. -- CAMERON: Sinnemahoning-Piper road [Buker (55774)].

Rubus occidentalis L. -- ALLEGHENY: Squaw Run [Bright (56017)]; also Jacks Run. BEAVER: Georgetown [Henry (55981)]; also Baden. CAMERON: Driftwood [Henry (55978)]; also Miller. CLARION: 3 mi S of Wentlings Corner [Henry (55999)]; also Red Bank. CLEARFIELD: Dowler Station [Buker (56007)]. ELK: Dents Run [Jennings (56048)]. FAYETTE: Laurelville [Jennings (56038)]. GREENE: Deep Valley [Henry (55991)]; also Rogersville; Waynesburg. JEFFERSON: Brookville [Henry & Buker (56004)]. LAWRENCE: Slippery Rock Creek [Buker (56006)]. MERCER: Drake [Henry (55982)]; also Sharon; Swamp Root. SOMERSET: between Cairnbrook and Central City [Buker (56005)]. WAYNE: Honesdale [Jennings, et al. (56055)].

Rubus odoratus L. -- CRAWFORD: 2.5 mi ESE of Meadville [Leberman (56063)]; also Linesville. GREENE: between Davistown and Bobtown [Buker (56143)]; also Deep Valley; 3 mi NE of Waynesburg. INDIANA: Blairsville [Shafer (56181)]; also Robinson. WASHINGTON: Florence [Buker (56062)].

Rubus pubescens Raf. -- ARMSTRONG: Parker [Henry & Buker (56279)]. CAMBRIA: Cresson [Bright (56282)]. FAYETTE: Markleysburg [Jennings & Boardman (56287)]; also Ohiopyle. MERCER: Swamp Root [Henry (56286)]; also Pymatuning. VENANGO: Nickleville [Henry (56304)].

Rubus strigosus Michx. -- ARMSTRONG: Freeport [Shafer (55946)]; also Kittanning. BEAVER: Reardons Run [Henrici (55943)]. BUTLER: Moraine State Park [Lochner (55888)]; also Coopers Lake. CLARION: Cook Forest [Jennings (55948)]. CLEARFIELD: Cherry Tree [Henry (55969)]; also Falls Creek. MERCER: Mercer [Henry (55902)]; also between Harrisville and Grove City; Houston Junction; Sandy Lake; Swamp Root. WASHINGTON: Murdocksville [Henry & Buker (55889)].

Sorbaria sorbifolia (L.) A. Braun -- CAMERON: E of Elk County line on PA 120 [Buker (52481)]. ELK: Ridgway [Krouse (56346)].

Sorbus americana Marsh. -- FAYETTE: Farmington [Jennings (54655)].

Sorbus aucuparia L. -- FOREST: Tionesta [Parker & Dickey (54716)]. LAWRENCE: New Castle [Robinson (54709)]. McKEAN: Kane [Jennings (54714)].

Spiraea alba DuRoi -- BEAVER: New Galilee [Jennings (56462)]. INDIANA: Marion Center [Buker (56434)]; also Chambersville. WESTMORELAND: 4.5 mi SW of Rector [Utech 81-308].

Spiraea betulifolia Pallas subsp. **corymbosa** (Raf.) Taylor & Macbryde [S. *corymbosa* Raf.] -- FRANKLIN: Pen Mar [Bright (56433)].

Spiraea japonica L.f. -- FAYETTE: Indian Head [Buker (56426)]; also White.

Spiraea latifolia (Ait.) Borkh. -- CAMBRIA: Johnstown [Walter (56558)]. McKEAN: Farmers Valley [Buker (56553)]. POTTER: Ice Mine District [Eimer (56534)]. SOMERSET: Boswell [Polechko (304647)].

Spiraea tomentosa L. -- CAMERON: Sinnemahoning to Piper road [Buker (56572)]; also Firstfork. ELK: Carman [Grisez 649]. FOREST: Marienville [Grisez 583]. McKEAN: Lafayette [Buker (56574)]; also 3 mi NW of Lafayette. WARREN: 8 mi SW of Warren [Grisez 552].

Waldsteinia fragarioides (Michx.) Tratt. -- WASHINGTON: Murdocksville [Buker (56645)].

FABACEAE

Amphicarpaea bracteata (L.) Fern. -- JEFFERSON: 3.5 mi S of Ohl [Henry (56811)].

Apios americana Medic. -- BEAVER: Raccoon Creek at US 30 [Henrici (56999)].

Astragalus canadensis L. -- LAWRENCE: Ellwood City [Buker (57032)].

Baptisia australis (L.) R. Br. -- WASHINGTON: New Eagle [Boufford 22155].

Baptisia tinctoria (L.) Vent. -- BEAVER: Mechanicsburg [Henrici (57117)]; also Raccoon Creek.

Chamaecrista nictitans (L.) Moench [Cassia *nictitans* L.] -- CLARION: Sarah Furnace [Buker (57257)]. GREENE: 5 mi E of Waynesburg [Buker (57296)]. VENANGO: Perry Run [Henry & Beer (57259)].

Coronilla varia L. -- ALLEGHENY: Sewickley [Boufford & Wood 21193]; also Bell Acres. BUTLER: Lake Arthur [Thompson 4122]. CLARION: Shippenville [Henry & Buker (57420)]. ERIE: Presque Isle [Grisez 796]. SOMERSET: Thomas Mills [Ross (57421)]. WASHINGTON: 4 mi W of New Eagle [Thompson 3698]. WESTMORELAND: 3 mi S of Rector [Utech 82-215].

Desmodium canadense (L.) DC. -- CLEARFIELD: 5 mi S of Madera [Buker (57431)]. CRAWFORD: Pymatuning [Buker (57456)]; also Shaws Landing. FAYETTE: Ohiopyle [Henry (57436)]. FULTON: Big Tonoloway Creek [Henry & Buker (57486)]; also Dickey's Mountain. HUNTINGDON: Barree

[Henry (57525)]. LAWRENCE: Plain Grove [Buker (254189)]; also 4 mi E of New Castle. WASHINGTON: Murdocksville [Buker (57512)].

Desmodium ciliare (Muhl. ex Willd.) DC. -- LEHIGH: Bethlehem [Wolle (57562)].

Desmodium cuspidatum (Muhl. ex Willd.) Loudon -- BEAVER: Mechanicsburg [Henrici (57544)].

***Desmodium glabellum** (Michx.) DC. -- BERKS: Mt. Penn [Berkheimer 3509]; also Reading.

Desmodium glutinosum (Muhl. ex Willd.) Wood -- ARMSTRONG: Echo [Henry & Beer (57589)]. ELK: Medix Run [Buker (57588)]. ERIE: Elk Creek [Buker (57603)]; also Erie. FAYETTE: Wymps Gap [Buker (57596)]. LAWRENCE: Plain Grove [Buker (57608)]; also Eastbrook; New Castle. POTTER: Cross Fork [Henry (57582)]; also Wharton. WASHINGTON: 3 mi S of West Finley [Buker (57591)].

Desmodium marilandicum (L.) DC. -- GREENE: 3 mi SW of Deep Valley [Buker (57647)].

Desmodium nudiflorum (L.) DC. -- ELK: Medix Run [Buker (57716)]; also Wintergreen Gulch. FAYETTE: 3 mi SE of Dunbar [Henry (57742)]; also 5 mi SE of Donegal; Indian Head; Ohiopyle. INDIANA: Marion Center [Buker & Beer (57723)]; also Blairsville; Chambersville. LAWRENCE: 3 mi N of Plain Grove [Thomas & Thompson 2958]; also New Castle. TIOGA: Wellsboro [Farnsworth (9777)]. VENANGO: 5 mi SE of Oil City [Henry (57666)]. WARREN: North Warren [Moldenke 15457]. WASHINGTON: Murdocksville [Buker (57753)].

Desmodium paniculatum (L.) DC. -- CAMBRIA: Carrolltown [Kline (57848)].

Desmodium perplexum Schub. -- CAMERON: Cameron [Buker (57938)]. INDIANA: Saltsburg [Jennings (57882)]. JEFFERSON: Heathville [Henry (57883)]. LACKAWANNA: Scranton [Overholts & Overholts (57976)].

Desmodium rotundifolium DC. -- FOREST: Allegheny National Forest [Buker (57996)]. WARREN: North Warren [Moldenke 15692].

***Galactia regularis** (L.) B.S.P. -- LANCASTER: Lancaster [Porter (9402)].

***Galactia volubilis** (L.) Britt. -- NORTHAMPTON: Reading [Bischoff (52407)].

Gleditsia triacanthos L. -- CAMBRIA: 3 mi W of Johnstown [Ditmer (58038)]. FULTON: Licking Creek at Dickey's Mountain [Henry (58064)].

Glycine max (L.) Merr. -- FAYETTE: Ohiopyle [Bright 8614].

Gymnocladus dioica (L.) K. Koch -- WESTMORELAND: Webster [no collector (fruit collection)].

Lathyrus latifolius L. -- ALLEGHENY: North Park [Buker (58110)]; also Emsworth. CAMERON: 3 mi S of Emporium [Henry & Buker (58103)]. ERIE: Presque Isle [Grisez 986]. FOREST: S of Warren County line on US 62 [Buker (58104)]. LAWRENCE: Ellwood City [Buker (58108)]. WARREN: North Warren [Moldenke 15654].

***Lathyrus palustris** L. -- CAMERON: 3 mi N of Emporium [Henry & Buker (58136)].

Lespedeza bicolor Turcz. -- ERIE: Presque Isle [Buker (58495)].

Lespedeza capitata Michx. -- LAWRENCE: Plain Grove [Bright (58161)].

Lespedeza cuneata (Dumont) G. Don -- WASHINGTON: McDonald [Farnsworth (10070)].

Lespedeza hirta (L.) Hornem. -- CAMBRIA: State Game Lands 108 [Kline (58235)]. CAMERON: Sinnemahoning [Buker (58190)]. FULTON: 3.5 mi W of PA 522 on US 30 [Buker (58233)]; also Big Tonoloway Creek; 3 mi N of Warfordsburg. WARREN: Warren [Grisez 557].

Lespedeza intermedia (S. Wats.) Britt. -- CAMERON: 3.1 mi W of Hicks Run [Buker (58302)]; also Emporium to St. Marys; Sinnemahoning. CRAWFORD: Meadville [Darling (74653)]; also Lynchburg. WARREN: North Warren [Moldenke (15793)].

Lespedeza procumbens Michx. -- BEAVER: Mechanicsburg [Henrici (58404)].

Lespedeza repens (L.) Bart. -- BEAVER: no further locality [Grimm 308]. FOREST: West Hickory [Grisez 640].

Lespedeza violacea (L.) Pers. -- CAMBRIA: Johnstown [Patterson (58441)]. CLINTON: 4 mi W of Keating [Henry & Roslund (58435)]. WASHINGTON: western part of county [Burig (58457)].

Lespedeza virginica (L.) Britt. -- BEAVER: Independence Township [Henrici (58506)]. LYCOMING: Muncy [Bright (58512)].

Lotus corniculatus L. -- BEAVER: 3 mi N of Eastvale [Henry (58490)]. CAMERON: Truman [Buker (58471)]. ELK: Portland Mills [Henry & Buker (58472)]. McKEAN: N of Elk County line on US 219 [Buker (58473)]. MERCER: Leesburg [Thompson, et al. 2374]. WASHINGTON: Aunt Clara Fork of Kings Creek [Buker (58474)].

***Lupinus perennis** L. -- VENANGO: Floyd [Henry (58537)]. WARREN: Warren [Grisez 516].

Medicago lupulina L. -- CAMERON: 6 mi W of Driftwood [Buker (58572)]; also Truman. WARREN: North Warren [Moldenke 14852]. WASHINGTON: Murdocksville [Henry & Buker (58573)]; also Millsborough; Washington.

Medicago sativa L. -- CAMBRIA: Nicktown [Kline (58668)]. CAMERON: Howards [Eimer (58661)]. CRAWFORD: Meadville [Darling (74651)]. GREENE: 6 mi E of

Waynesburg [Buker (58690)].

Melilotus alba Desr. ex Lam. -- CAMERON: Driftwood [Henry (58653)]; also Howards. CRAWFORD: Jervis Corners [Henry & Beer (58741)]. GREENE: Ryerson [Henry & Beer (58766)]; also 5 mi W of Waynesburg. WASHINGTON: Washington [Wilson (58764)].

Melilotus officinalis (L.) Pallas -- CAMBRIA: Elton [Henry & Beer (58795)]; also Nicktown. CAMERON: Truman [Henry & Buker (58774)]. GREENE: 3.5 km SSW of West Finley [Thompson 2426]; also Garards Fort. POTTER: N of Cameron County line on PA 155 [Buker (58851)]. WASHINGTON: Mingo Creek [Bright 6255]; also Hendersonville; Washington.

Phaseolus polystachios (L.) B.S.P. -- BLAIR: Frankstown [Henry & Buker (58863)].

Pisum sativum L. -- ALLEGHENY: Glenshaw [Jennings (58862)].

Robinia hispida L. -- ADAMS: Biglerville [Knepp (58846)]. BEAVER: Shippingport [Ohlsson 3993]. ERIE: Presque Isle [Bissell 1985:74]. HUNTINGDON: Stone Creek [Overholts (58838)]. NORTHUMBERLAND: Lewisburg [Manning (58847)]. WARREN: North Warren [Moldenke 16537]. WASHINGTON: New Eagle [Wood 4203].

Robinia pseudoacacia L. -- POTTER: Coudersport [Barrie 16397]. WASHINGTON: 3 mi W of Marianna [Henry & Buker (58929)].

Senna hebecarpa (Fern.) Irwin & Barneby [Cassia hebecarpa Fern.] -- ERIE: Presque Isle [Buker (57225)]. FULTON: Big Tonoloway Creek [Henry & Buker (57220)]. MERCER: Sharpsville [Buker (57204)]. VENANGO: Emlenton [Buker (21277)]. WASHINGTON: 5 mi SE of Burnville [Buker (57238)].

Senna marilandica (L.) Link [C. marilandica L.] -- CHESTER: Embreeville [Seals (254317)]. GREENE: Mt. Morris [Henry & Beer (57256)].

Strophostyles helvola (L.) Ell. -- CRAWFORD: Pymatuning [Jennings (58965)].

Tephrosia virginiana (L.) Pers. -- SOMERSET: Laurel Hill [Churchill (58994)]. WAYNE: Honesdale [Jennings & Gress (59015)].

Trifolium arvense L. -- BEAVER: Lower Raccoon Creek [Bright (59125)]. ERIE: Presque Isle [Grisez 829].

Trifolium aureum Poll. -- GREENE: Deep Valley [Buker (59035)]. JEFFERSON: Allens Mills [Henry (59150)].

Trifolium campestre Schreb. -- BUTLER: Jennings Prairie [Vogler 2-29]. ERIE: Presque Isle [Buker (59347)]. SOMERSET: 3.5 mi N of Thomas Mills [Henry & Ross (59352)].

Trifolium dubium Sibth. -- ALLEGHENY: Dormont [Poth (59112)]; also Wilkinsburg. ELK: 4 mi W of Carman [Grisez

696]. FULTON: 2.5 mi SE of Warfordsburg [Baker & Beer (59111)]. WARREN: North Warren [Moldenke 15221].

Trifolium hybridum L. -- GREENE: Ryerson Station [Thompson & Nishida 2351].

Trifolium pratense L. -- CAMBRIA: Nicktown [Kline (59258)]. WASHINGTON: Murdocksville [Henry & Baker (59244)].

Trifolium repens L. -- WASHINGTON: Murdocksville [Henry & Baker (59305)]; also Washington.

Vicia caroliniana Walt. -- FOREST: S of Warren County line on US 62 [Baker (59372)]. McKEAN: N of Elk County line on US 219 [Baker (59371)]. MERCER: Mercer [Henlen (59424)]. VENANGO: Wyattville [Henry & Beer (59384)]; also Kennerdell. WAYNE: Honesdale [Jennings & Gress (59475)].

Vicia cracca L. -- BEAVER: Shippingport [Ohlsson 3355]. CAMERON: Truman [Henry & Baker (59485)]; also 3 mi S of Emporium. CLARION: Shipperville [Henry & Baker (59487)]. HUNTINGDON: Birmingham [Orlady (59494)]. WARREN: Warren [Moldenke 16337].

Vicia sativa L. -- ALLEGHENY: Wildwood [Bright (59554)]. LANCASTER: Lancaster [Porter (59553)].

Vicia villosa Roth [including *V. dasycarpa* Tenore] -- ARMSTRONG: State Game Lands 105 [Utech 87-109]. CAMBRIA: Carrolltown [Kline (59526)]; also Elton. GREENE: Garards Fort [Henry & Baker (59519)]. LAWRENCE: Princeton [Baker (59536)]; also Bessemer; Volant. MONTGOMERY: no further locality [Bright (59549)].

GERANIACEAE

Erodium cicutarium (L.) L'Her. -- ALLEGHENY: Pittsburgh [Dole (60133)].

Geranium columbinum L. -- SOMERSET: Mt. Davis [Krouse (60263)].

Geranium maculatum L. -- CAMERON: 5 mi W of Emporium [Baker (60334)].

Geranium molle L. -- ERIE: Presque Isle [Baker (60250)]; also Union City.

Geranium pusillum L. -- ERIE: Presque Isle [Grisez 728]. FULTON: S of US 30 on PA 915 [Baker (60229)].

Geranium robertianum L. -- LAWRENCE: New Castle [Robinson (60213)].

OXALIDACEAE

Oxalis acetosella L. [*O. montana* Raf.] -- INDIANA: Arcadia [Henry & Beer (59924)]; also Glen Campbell.

Oxalis corniculata L. -- ALLEGHENY: Pittsburgh [Cusick 24318].

Oxalis grandis Small -- CLARION: Alum Rock [Jennings (59703)]. GREENE: 3 mi SW of Deep Valley [Henry & Beer (59747)].

Oxalis violacea L. -- FOREST: Endeavor [Leberman (291448)]. LAWRENCE: McConnells Mill [Bright (60149)]; also Eastbrook. SOMERSET: Thomas Mills [Ross (19949)].

LINACEAE

Linum striatum Walt. -- FULTON: Big Tonoloway Creek [Baker (59555)]; also 3.5 mi W of PA 522 on US 30. LAWRENCE: Plain Grove [Baker (254182)]. LYCOMING: Waterville [Bright (59588)].

Linum virginianum L. -- ELK: Medix Run [Baker (59630)]. ERIE: North East [Henry & Baker (59652)]. JEFFERSON: Timblin [Henry & Beer (59639)].

RUTACEAE

Zanthoxylum americanum P. Mill. -- WASHINGTON: 3 mi S of Burnsville [Henry (60548)].

POLYGALACEAE

Polygala paucifolia Willd. -- CAMERON: N of Clearfield County line on Sinnemahoning-Piper Road [Baker (60597)]; also 3 mi S of Emporium.

Polygala sanguinea L. -- CAMBRIA: Ashville [Henry (60745)]; also Patton. LAWRENCE: Slippery Rock Creek at US 422 [Baker (60825)]; also New Castle. TIOGA: Gaines [Wible (60884)]; also Marshlands.

Polygala senega L. -- LAWRENCE: Plain Grove [Bright (60805)]. WARREN: Warren [Moldenke 14808].

Polygala verticillata L. -- CAMBRIA: Johnstown [Patterson (60973)]. CLARION: Clarion River at PA 854 [Henry (60976)]; also Cooks Forest. LAWRENCE: New Wilmington [Henlen 288]. McKEAN: Allegheny National Forest [Grisez 693].

EUPHORBIACEAE

Acalypha virginica L. -- WARREN: Warren [Moldenke 15834]; also Tidioute.

Chamaesyce maculata (L.) Sm. [*Euphorbia supina* Raf.] -- CAMERON: Truman [Henry & Buker (61538)]. WARREN: North Warren [Moldenke 15238]; also Tidioute.

Chamaesyce nutans (Lag.) Sm. [*E. nutans* Lag.] -- LAWRENCE: Ellwood City [Buker (61447)]; also Robinson. WARREN: Warren [Grisez 543]. WAYNE: Honesdale [Jennings & Gress (61460)].

Chamaesyce vermiculata (Raf.) House [*E. vermiculata* Raf.] -- JEFFERSON: 2.5 mi S of Allens Mills [Henry (61532)]; also Heathville. SOMERSET: Somerset [Cusick 26727]; also Sulphur Springs.

Euphorbia commutata Engelm. -- ERIE: Erie [Van Dersal (61093)]. WASHINGTON: 5 mi SE of Burnsville [Buker (61096)]; also Hills Station.

Euphorbia corollata L. -- LAWRENCE: New Wilmington [Henlen 322]; also New Castle. WAYNE: Honesdale [Jennings & Gress (61206)].

Euphorbia esula L. -- CAMBRIA: Nicktown [Kline (61420)]. ERIE: Presque Isle [Grisez 975]. WESTMORELAND: Greensburg [Farnsworth WP-766].

Euphorbia helioscopia L. -- POTTER: Coudersport [Barrie 16712].

Euphorbia lathyris L. -- FAYETTE: Uniontown [Burgess (61506)].

Euphorbia lucida Waldst. & Kit. -- TIOGA: Blossburg [Bright (61503)].

Euphorbia marginata Pursh -- ALLEGHENY: Pittsburgh [Buker (61499)]; also Etna. FAYETTE: Ohiopyle [Jennings (61496)]. LAWRENCE: New Wilmington [Henlen (61497)].

Euphorbia peplus L. -- ALLEGHENY: Pittsburgh [Cusick 23234]. FULTON: Big Tonoloway Creek [Bright (61491)]. MERCER: Sharon [Cusick 23643]. WASHINGTON: Thompsonville [Bright 8927].

Poinsettia dentata (Michx.) Klotzsch & Garcke [*E. dentata* Michx.] -- BEAVER: Monaca [Buker (61318)]. FAYETTE: New Geneva [Buker (61308)]; also Connellsville; Grindstone. GREENE: Ryerson Station [Buker (61306)].

CALLITRICHACEAE

Callitriche heterophylla Pursh -- ALLEGHENY: Glenshaw [Bright (61677)]; also Wildwood. BEAVER: Georgetown [Henrici (61676)]. FAYETTE: Layton [Henry & Buker (61661)]; also Ohiopyle; 4 mi SW of Somerset.

Callitriche verna L. [*C. palustris* L.] -- FAYETTE: Ohiopyle [Jennings (61614)]. MERCER: Half Moon Swamp [Jennings (61615)]. SOMERSET: Sand Patch [Henry (92241)]; also Coleman; Kooser State Park. WESTMORELAND: Loyalhanna Gorge [Jennings (61620)]; also New Florence.

LIMNANTHACEAE

Floerkea proserpinacoides Willd. -- ARMSTRONG: Mahoning Creek at PA 28 [Henry & Buker (61722)]; also Boggsville; 3 mi SE of Kelly Station; Mosgrove. FAYETTE: 3 mi SW of Brownsville [Henry (61733)]; also Smock. FOREST: West Hickory [Grisez 573]. INDIANA: 2.5 mi NW of Uniontown [Henry & Beer (61720)]; also 3-4 mi N of Saltsburg; 3 mi NE of Shelocta. MIFFLIN: Newton Hamilton [Henry (61802)]. VENANGO: Little Sandy Creek [Henry (61716)]; also Utica. WARREN: Warren [Grisez 567].

ANACARDIACEAE

Rhus copallina L. -- CAMERON: between Emporium and St. Marys [Buker (61911)]; also Truman. INDIANA: Heshbon [Henry & Beer (61846)]; also Rochester Mills. WASHINGTON: California [Buker (61912)].

Rhus glabra L. -- LYCOMING: Williamsport to Allenport [Jennings (61966)]. MERCER: Drake [Henry (62010)].

Rhus typhina L. -- FULTON: US 30 at PA 915 [Buker (62133)]. GREENE: Rogersville [Buker (62080)]. LAWRENCE: Hazel Dell [Alker (62151)]; also Chewton to Wurtemburg; New Castle to Portersville.

Toxicodendron radicans (L.) Kuntze [*R. radicans* L.] -- GREENE: 3.5 km SSW of West Finley [Thompson & Nishida 2402]. POTTER: Oswayo [Graham (66243)].

Toxicodendron vernix (L.) Kuntze [*R. vernix* L.] -- BEAVER: no further locality [Andriessen (62241)]. LAWRENCE: 2.5 mi W of McConnells Mill [Buker (62184)]; also Leesburg. WARREN: Clarendon [Buker & Grisez (62178)].

AQUIFOLIACEAE

Ilex montana Torr. & Gray -- ADAMS: Biglerville [Knepp (62281)]. ALLEGHENY: Ingomar [Graham (62275)]. CAMERON: 7 mi NW of Emporium [Henry & Roslund (62210)]. FULTON: Sidling Hill [Gress (62234)]. GREENE: Jefferson [Bell (62312)]. HUNTINGDON: Huntingdon [Jennings (62321)]. INDIANA: Glen Campbell [Henry & Beer (62229)]. MERCER: Grove City [Buker (62271)]; also 5 mi SW of Sandy Lake; Swamp Root. POTTER: Coudersport [Jennings & Jennings (62211)].

Ilex verticillata (L.) Gray -- CAMERON: Driftwood [Jennings & Jennings (62410)]. WASHINGTON: Chambers Dam [Mellor (62385)].

CELASTRACEAE

Celastrus orbiculatus Thunb. -- ALLEGHENY: Sewickley [Wood, et al. 4237]; also Pittsburgh. FOREST: Allegheny National Forest [Buker (62542)].

Celastrus scandens L. -- CAMERON: Sinnemahoning [Buker (62572)]. ELK: Caledonia [Buker (62570)]. FAYETTE: Connellsville [Graham (62545)]. LAWRENCE: Hazel Dell [Alker (62560)]; also New Castle to Portersville; Rock Point. MERCER: 3.5 mi NE of Sharpsville [Buker (62581)]; also Drake; 2-3 mi SW of Sandy Lake.

Euonymus atropurpureus Jacq. -- CLINTON: Hyner [Buker (62667)]. FAYETTE: Connellsville [Lewis (62670)]. UNION: 3 mi W of Lewisburg [Manning (62691)].

Euonymus obovatus Nutt. -- CAMBRIA: St. Lawrence [Jennings (62733)]; also 2.5 mi E of Nicktown. VENANGO: 8 mi N of Cooperstown [Henry & Beer (62731)].

STAPHYLEACEAE

Staphylea trifolia L. -- CAMBRIA: Johnstown [Ross (9565)]. CLINTON: 3 mi SW of Westport [Henry & Buker (62819)]; also Pottersdale to Renovo. CRAWFORD: Pymatuning [Hartman (62859)]; also Shermansville. LAWRENCE: New Castle [Robinson (62795)]. MERCER: 2-3 mi SW of Sandy Lake [Henry (62839)]; also Mercer. SOMERSET: Confluence [Henry (62828)]. UNION: Lewisburg [Manning (62820)].

ACERACEAE

Acer negundo L. -- ELK: Ridgway [Grisez 681]. LAWRENCE: Mt. Jackson [Jones 96]. McKEAN: Tunungwant Creek [Grisez 692]. SOMERSET: Jennerstown [Thompson 4117]. WARREN: North Warren [Moldenke 14889].

Acer nigrum Michx. f. -- ARMSTRONG: 3 mi SE of Manorville [Henry & Beer (62972)]. ELK: 4 mi N of St. Marys [Henry (63039)]. FAYETTE: New Geneva [Henry & Buker (62975)]; also Cheat Haven; Connellsville; Killarney Park; Ohiopyle. FULTON: Big Cove Tannery [Buker (62966)]. LANCASTER: Millersville [Garber (63025)]. SOMERSET: Thomas Mills [Ross & Ross (9571)]. VENANGO: Wyattville [Henry & Beer (63046)]; also Utica. WARREN: Irvine [Grisez 555].

Acer pensylvanicum L. -- ALLEGHENY: Verona [Jennings (63081)]. CLARION: mouth of Clarion River [Jennings (63160)].

Acer platanoides L. -- ERIE: Presque Isle [Grisez 1029]. NORTHUMBERLAND: Sunbury [Lewis (63208)].

Acer rubrum L. var. *trilobum* K. Koch -- BEAVER: 4 mi W of Clinton [Mason (63471)]. CLINTON: 3 mi NW of Lock Haven [Henry & Buker (63454)]. CRAWFORD: Rockdale

Center [Henry & Buker (63468)]. INDIANA: Arcadia [Henry & Beer (63462)]. JEFFERSON: 3.5 mi S of Ohi [Henry (63460)]; also Roseville. POTTER: Galetton [Henry (63456)].

Acer saccharinum L. -- INDIANA: 2.5 mi W of Northpoint [Henry & Beer (63490)]. POTTER: Coudersport [Eimer (63487)].

Acer spicatum Lam. -- CAMERON: 2.8 mi N of Sinnemahoning [Buker (63768)]; also 8 mi NW of Emporium; Miller. CRAWFORD: Linesville [Van Dersal (63852)]. VENANGO: Emlenton [Buker (25969)]; also 2.5 mi S of Cranberry.

HIPPOCASTANACEAE

Aesculus flava Soland. [*A. octandra* Marsh.] -- WASHINGTON: West Finley [Buker (25958)]; also 3.3 mi E of West Virginia border on PA 331.

Aesculus glabra Willd. -- BUTLER: Ivywood [Lochner (63934)]. FAYETTE: 3 mi SW of Brownsville [Henry (63933)].

Aesculus hippocastanum L. -- ALLEGHENY: Pittsburgh [Graham (63955)]. BEAVER: South Heights [Graham & Graham (63953)]. BUTLER: Lake Arthur [Thompson 5089]. ERIE: Edinboro [Squibb (63952)].

BALSAMINACEAE

Impatiens pallida Nutt. -- INDIANA: Yellow Creek [Henry & Beer (64242)]; also 3 mi NE of Saltsburg.

RHAMNACEAE

Ceanothus americanus L. -- CAMBRIA: 6 mi NE of Patton [Kline (64312)]. JEFFERSON: Hamilton [Henry & Beer (64341)].

Rhamnus alnifolia L'Her. -- LAWRENCE: Plain Grove [Buker (64426)].

Rhamnus cathartica L. -- ALLEGHENY: North Park [Thompson & Buker 456]; also Crafton. FULTON: Big Cove Tannery [Buker (64418)].

Rhamnus frangula L. -- ALLEGHENY: Gibsonia [Thompson 3340]; also Avalon; Glenfield; Glenshaw; Pittsburgh; Sewickley. FOREST: 9 mi SW of Marionville [Grisez 523]. WARREN: Warren [Grisez 369].

VITACEAE

Ampelopsis brevipedunculata (Maxim.) Trautv. -- ALLEGHENY: North Park (escaped) [Buker (265773)].

Parthenocissus inserta (Kern.) Fritsch [*P. vitacea* (Kern.) Hitchc.] -- LAWRENCE: Hazel Dell [Alker (64487)].

Parthenocissus quinquefolia (L.) Planch. -- LAWRENCE: Rock Point [Jennings (64505)]. MERCER: Drake [Henry (64503)]. POTTER: Planchon Berge Run [Ahles 74436]. WARREN: North Warren [Moldenke 15356]. WASHINGTON: Buffalo Creek at PA 331 [Henry & Beer (64495)].

Vitis aestivalis Michx. -- FOREST: Tionesta [Buker (64671)].

Vitis labrusca L. -- GREENE: Ursina [Buker (64697)]. LAWRENCE: Rock Point [Jennings (64712)]. SOMERSET: 3-4 mi N of Confluence [Henry (64757)]. TIOGA: Wellsboro [Jennings & Jennings (64723)]. WARREN: North Warren [Moldenke 15376]. WASHINGTON: McMurray [Buker (64770)].

Vitis riparia Michx. -- ARMSTRONG: Cowanshannock [Bright (64824)]; also Freeport. CRAWFORD: Cambridge Springs [Leberman (29091)]. FAYETTE: Ohiopyle [Jennings (64827)]. GREENE: Mt. Morris [Henry & Buker (64849)].

Vitis vulpina L. -- ERIE: Presque Isle [Jennings (64775)]. FOREST: Tionesta [Henry & Buker (64850)]. JEFFERSON: Heathville [Henry & Beer (64855)]. POTTER: Cross Fork [Graffius (64856)]. VENANGO: Utica [Henry & Beer (64883)].

TILIACEAE

Tilia americana L. -- CAMERON: Driftwood [Buker (64911)]. CLARION: mouth of Clarion River [Jennings (64927)]. INDIANA: Willet [Henry & Beer (64926)]. LAWRENCE: Harlansburg [Buker (64968)]; also Mt. Jackson; New Castle.

Tilia heterophylla Vent. -- CAMERON: Driftwood [Bright (65039)]. MONROE: East Stroudsburg [Jennings & Jennings (65075)].

MALVACEAE

Abutilon theophrasti Medic. -- GREENE: Jollytown [Henry & Beer (65111)]. WARREN: North Warren [Moldenke 15624].

Althaea officinalis L. -- ERIE: Erie [Guttenberg (65086)].

Hibiscus moscheutos L. -- ALLEGHENY: Killbuck Township [Buker (65141)].

Hibiscus syriacus L. -- ALLEGHENY: Pittsburgh [Farnsworth (10586)]. ARMSTRONG: Kittanning [Neale (65137)]. BEAVER: Freedom [Shafer (65138)]. FAYETTE: Brownsville

[Koch (65139)].

Hibiscus trionum L. -- CAMBRIA: Nicktown [Kline (65182)]. WASHINGTON: West Finley [Henry (65195)].

Malva moschata L. -- BUTLER: Moraine State Park [Lochner (9221)]. JEFFERSON: 5 mi NE of Sigel [Henry (65174)]. MERCER: Pymatuning Township [Cusick 23658].

Malva neglecta Wallr. -- LAWRENCE: New Castle [Robinson (65264)].

HYPERICACEAE

Hypericum ascyron L. [*H. pyramidatum* Ait.] -- FOREST: 5 mi N of Tionesta [Buker (66006)]. JEFFERSON: Cooksburg [Bright (66010)].

Hypericum ellipticum Hook. -- BEAVER: Shippingport [Henrici (65421)].

Hypericum gentianoides (L.) B.S.P. -- BEAVER: Raccoon Creek Park [Henrici (65481)].

Hypericum mutilum L. -- CAMERON: Driftwood [Jennings & Jennings (65516)].

Hypericum perforatum L. -- GREENE: 3 mi SE of Ryerson [Henry & Buker (65779)]; also 3 mi NE of Waynesburg. LAWRENCE: 3.3 mi NW of Plain Grove [Buker (65817)]; also New Castle; New Wilmington.

Hypericum prolificum L. [*H. spathulatum* (Spach) Steud.] -- JEFFERSON: Sigel [Henry (66032)].

Hypericum punctatum Lam. -- WASHINGTON: Bavington [Buker (65921)]; also Marianna.

Triadenum virginicum (L.) Raf. -- ARMSTRONG: Kittanning [Jennings (66263)]. FAYETTE: 5 mi E of Farmington [Buker (66198)]; also Deer Lake; Normalville; 8 mi SE of Ohiopyle. INDIANA: Yellow Creek [Henry & Beer (66191)]. LAWRENCE: Leesburg [Henry & Beer (66217)]. VENANGO: Lisbon [Buker (66186)].

CISTACEAE

***Helianthemum bicknellii** Fern. -- BEAVER: no further locality [Andriessen (66245)].

Lechea pulchella Raf. [*L. leggettii* Britt. & Hollick] -- PIKE: Lake Wallenpaupack [Buker (66299)]; also Matamoras. WAYNE: Atco [Glowenke 1012].

Lechea racemulosa Michx. -- INDIANA: Blairsville [Shafer (66340)]. WASHINGTON: 10 mi NW of Florence [Buker (66333)].

VIOLACEAE

Hybanthus concolor (T.F. Forst.) Raf. -- LAWRENCE: Ellwood City [Henry & Buker (66412)]. SOMERSET: Confluence [Henry (66400)]; also 6 mi E of Bedford County line. WARREN: North Warren [Roberts (66411)]. WASHINGTON: 5 mi S of Burnsville [Henry (66451)].

Viola affinis LeConte -- BEAVER: PA 18 and US 30 [Buker (68154)]; also Smiths Ferry. FAYETTE: 3.5 mi E of Haydentown [Henry & Buker (66504)]; also White House. FOREST: Mayburg [Buker (67833)]; also S of Warren County line on US 62. LAWRENCE: New Castle [Robinson (66511)]. SOMERSET: Sand Patch [Henry (68207)].

Viola arvensis Murr. -- CAMBRIA: Nicktown [Kline (66466)]. CLARION: Emlenton [Bright (66465)]. CRAWFORD: Pymatuning [Buker (66463)]. SOMERSET: Downey [Henry & Buker (66464)].

Viola canadensis L. -- DAUPHIN: Monada Gap [Jennings (66910)]. VENANGO: Emlenton [Buker (66846)]; also Perry Run.

Viola conspersa Reichenb. -- BEAVER: Pine Grove [Andriessen (67010)]. GREENE: Wind Ridge [Buker (9895)]; also Ryerson.

Viola fimbriatula J.E. Smith -- ARMSTRONG: Mahoning Creek [Henry & Buker (67477)]; also Templeton; 3 mi S of Worthington. CLARION: Shippensburg [Henry & Buker (67390)]; also Leatherwood; St. Petersburg. ELK: De Young [Henry & Buker (67384)]; also Carman; 4.5 mi NE of Millstone; Ridgway.

Viola hastata Michx. -- LAWRENCE: New Castle [Robinson (67634)].

Viola incognita Brainerd -- INDIANA: Commodore [Henry & Beer (67789)].

Viola lanceolata L. -- CAMERON: 3 mi NW of Driftwood [Buker (67842)]. INDIANA: Heshbon [Henry & Beer (67848)]; also Blairsville.

Viola macloskeyi Lloyd subsp. **pallens** (Banks ex DC.) M.S. Baker [including *V. blanda* Willd. and *V. pallens* (Banks) Brainerd] -- BEAVER: 3 mi N of Eastvale [Henry (66829)]. GREENE: Waynesburg [Dickey (66831)]; also Wind Ridge.

***Viola nephrophylla** Greene [Species not listed in Wherry, et al. (1979). The identification of this specimen is disputed; H.E. Ballard (1982) determined it as the above and L.E. McKinney (1986) identified the specimen as *V. affinis* LeConte.] -- ERIE: Wattsburg [Buker (66509)].

Viola obliqua Hill [*V. cucullata* Ait.] -- WASHINGTON: Paris [Henry & Buker (67249)]; also Hanlin.

Viola odorata L. -- HUNTINGDON: Birmingham [Orlady (67812)]. WARREN: Warren [Simpson 14510].

Viola palmata L. -- ARMSTRONG: 6 mi NE of Kittanning

[Henry & Buker (69410)]; also Boggsville; 6 mi N of Leechburg. CAMBRIA: Nicktown [Kline (69426)]. CAMERON: 3 mi S of Emporium [Henry & Buker (69517)]. CLARION: Sarah Furnace [Buker (69513)]; also Alum Rock; Leatherwood. CLINTON: Hyner [Henry & Buker (69401)]. CRAWFORD: Meadville [Buker (69544)]; also Hartstown. CUMBERLAND: Doubling Gap [Creutz (69512)]. FAYETTE: 3.5 mi N of Ohiopyle [Buker (67686)]; also Cheat Haven; Dunbar; 6 mi W of Scullton. FOREST: 3 mi SW of Tionesta [Buker (69516)]. GREENE: 3 mi N of Pine Bank [Buker (69588)]; also 3.5 mi SW of Deep Valley; Dunkard; Garards Fort; Jefferson; Waynesburg; 10 mi SE of Waynesburg. INDIANA: Pine Flats [Henry & Beer (69406)]. LAWRENCE: Ellwood City [Henry & Buker (69548)]; also New Castle. McKEAN: 3 mi E of Warren County line on PA 59 [Buker (69515)]. MERCER: Drake [Henry (69546)]. VENANGO: 8.3 mi N of Oil City [Buker (69402)]; also 3 mi E of Cooperstown; Emlenton; 3 mi NE of Lisbon. WARREN: 4 mi E of Columbus [Buker (69541)]; also Irvine; 8.5 mi NE of Scandia; Warren. WASHINGTON: 5 mi SE of Burnsville [Buker (69578)]; also Belle Vernon; Charleroi; Hanlin; Prosperity.

***Viola pedatifida** G. Don var. **brittoniana** (Pollard) McKinney, ined. [*V. brittoniana* Pollard] -- ALLEGHENY: Warrendale [Bright (69509)].

Viola x porterana Pollard -- BEAVER: Lower Raccoon Creek [Bright (68243)].

Viola primulifolia L. -- CLARION: Sarah Furnace [Henry & Buker (68079)]. ELK: Highland Corners [Grisez (68089)]. PIKE: Twin Lakes [Bright 19317]. SOMERSET: Bakersville [Jennings (68087)]; also Buckstown; Deal; Lambertville. WESTMORELAND: 3.5 mi S of Rector [Mulvihill & Leberman (287302)].

Viola pubescens Ait. -- CAMBRIA: PA 271 and US 22 [Henry & Buker (68487)]. INDIANA: Willet [Henry & Beer (68640)]; also Commodore; 3 mi E of Dayton.

Viola rafinesquii Greene -- CAMBRIA: Nicktown [Kline (67751)].

Viola rostrata Pursh -- CAMERON: 3 mi S of Emporium [Henry & Buker (68654)]. CLARION: Sarah Furnace [Henry & Buker (68652)]; also Parkers Landing. CLINTON: Tamarack [Graffius (68802)].

Viola rotundifolia Michx. -- CLARION: Marble [Buker (68751)]; also Sarah Furnace. MERCER: 5 mi SW of Sandy Lake [Henry & Erdman (68752)]. VENANGO: Emlenton [Buker (68768)]; also 3.5 mi NW of Cooperstown; Lisbon; Utica.

Viola sagittata Ait. -- CAMBRIA: Johnstown [Patterson (67409)]; also Cresson. CAMERON: 15 mi S of Sinnemahoning [Buker (67360)]; also 3 mi S of Emporium. CLEARFIELD: Clearfield to Pottersdale [Jennings (67468)]; also 5 mi NE of Karthaus; McGees Mills; Rockton. CLINTON: 3.7 mi W of Keating [Buker (67365)]; also Hyner View; Pottersdale; 2-3 mi S of State Camp; Tamarack. CRAWFORD: Linesville [Buker (69091)]. ELK: Carman [Buker & Krouse (67385)]; also De Young; Millstone; Ridgway.

ERIE: 2.5 mi W of Lowville [*Henry & Buker* (68945)]; also Union City. FOREST: Marienville [*Henry* (67474)]; also Chaffee; Cook Forest. HUNTINGDON: Birmingham [*Jennings* (67391)]; also 2.5 mi NW of Saltillo. INDIANA: Creekside [*Henry & Beer* (67475)]; also Nolo. LYCOMING: Williamsport [*Young* (67529)]. McKEAN: Clermont [*Buker* (67363)]; also Wrights. PERRY: Sterretts Gap [*Buker* (67548)]; also Markelville; New Bloomfield. POTTER: Cross Fork [*Graffius* (67472)]. UNION: Allenwood [*Savage* (68920)]. WASHINGTON: Houston [*Henry* (67524)]; also Amity; Charleroi. WAYNE: Waymart [*Jennings* (67539)].

Viola septentrionalis Greene -- CAMERON: N of Clearfield line on Sinnemahoning-Piper road [*Buker* (69452)].

Viola sororia Willd. -- CAMERON: 7 mi NW of Driftwood [*Buker* (69009)]; also 3 mi S of Emporium; Sterling Run. McKEAN: Morrison [*Henry* (69457)]; also Kane. MERCER: 5 mi N of Sharpsville [*Buker* (67702)]; also Carlton; Drake; 3 mi NE of Grove City.

Viola striata Ait. -- CAMERON: Sterling [*Henry & Buker* (69290)]. JEFFERSON: Rathmel [*Buker* (69503)]. POTTER: Jamison to Hammersley [*Graham* 17]. WAYNE: Taughannock Falls [*Roberts* (69387)].

Viola tricolor L. -- ALLEGHENY: Glenshaw [*Bright* (69444)]. McKEAN: Allegheny National Forest [*Grisez* 630].

Viola walteri House [**V. appalachiensis* L.K. Henry] -- ERIE: Union City [*Henry & Buker* (66470)].

THYMELEACEAE

Dirca palustris L. -- BUTLER: Christleys Mills [*Henry* (69650)]. CLINTON: Tamarack [*Graffius* (69656)]. ELK: Medix Run [*McClelland* (69657)].

ELAEAGNACEAE

Elaeagnus angustifolia L. -- ALLEGHENY: Crafton [*Mason* (69697)]; also Pittsburgh. BERKS: Wernersville [*Wilkins* (69698)]. BUTLER: Lake Arthur [*Thompson* 5086]. FAYETTE: Laurelville [*Gordon* (69699)].

LYTHRACEAE

**Ammannia coccinea* Rottb. -- BUCKS: Lake Galena [*Eggers* 85-009].

Lythrum salicaria L. -- ALLEGHENY: Carnegie [*Buker* (254160)]; also Oakmont; Sandy Creek; South Park. BEAVER: Shippingport [*Ohlsson & Crandell* 3562]. CRAWFORD: Conneaut Lake [*Jennings & Boardman* (69798)]. FAYETTE: Mill Run Reservoir [*Polechko* (304467)]. LAWRENCE: 4 mi SW of Harlansburg [*Buker*

(69796)]. McKEAN: Marshburg [*Buker* (21280)]; also 2.5 mi S of Bradford. MERCER: North Liberty [*Henry* (69797)]. WARREN: Warren [*Grisez* 542].

ONAGRACEAE

Circaea lutetiana L. subsp. *canadensis* (L.) Asch. & Magnus -- TIOGA: Tioga State Forest [*Wible* 591].

Epilobium ciliatum Raf. [*E. glandulosum* Lehm. var. *adenocaulon* (Hausskn.) Fern.] -- LAWRENCE: Plain Grove [*Buker* (254190)]. WASHINGTON: McDonald [*Farnsworth* (10066)].

Epilobium hirsutum L. -- BUTLER: Connoquenessing Township [*Lochner* (9222)]. CRAWFORD: 2.7 mi E of Geneva [*Leberman* (202057)]. POTTER: Hebron Center [*Jolley* (265027)]. WARREN: Akeley [*Grisez* 684].

Gaura biennis L. -- CLARION: Sarah Furnace [*Buker* (70269)]. LAWRENCE: Robinson [*Cusick* 22972]. VENANGO: Emlenton [*Henry* (70288)].

Ludwigia alternifolia L. -- SOMERSET: Berlin [*Jennings* (70368)]. VENANGO: Freedom [*Buker* (70317)].

Ludwigia palustris L. -- WASHINGTON: Taylorstown [*Henry & Beer* (70482)].

Oenothera biennis L. -- BRADFORD: Laquin [*Turley* (70624)]. CLEARFIELD: 7 mi NW of Clearfield [*Buker* (70510)]; also 3 mi W of Lumber City; McGees Mills. CLINTON: 6 mi N of Westport [*Henry & Buker* (70513)]. FAYETTE: 4 mi N of Masontown [*Henry & Buker* (70563)]; also Layton; Ohiopyle. FULTON: Harrisonville [*Henry & Buker* (70551)]; also Big Tonoloway Creek. JEFFERSON: 2.5 mi S of Allens Mills [*Henry* (70535)]; also Big Run; Coder; Emrickville; 3.5 mi S of Ohl; 5 mi NE of Sigel. LAWRENCE: Eastbrook [*Henry & Beer* (70587)]; also Bessemer; Elliot Mills. SOMERSET: Reels Corners [*Jennings* (70561)].

Oenothera fruticosa L. subsp. *glauca* (Michx.) Straley [Specimens mostly mapped as *O. tetragona* Roth var. *longistipata* (Pennell) Munz (Wherry, et al., 1979).] -- BEAVER: Ambridge [*Graham* (70629)]; also Turkeyfoot. CAMBRIA: Johnstown [*Jennings* (70679)]; also Nicktown; Patton. FOREST: Tionesta [*Buker* (70647)]. LAWRENCE: Plain Grove [*Buker* (70673)]; also Wurtemberg.

Oenothera perennis L. -- LAWRENCE: Plain Grove [*Buker* (254178)].

HALORAGIDACEAE

Myriophyllum spicatum L. -- BEAVER: Ellwood City [*Baver* (70889)]. CAMBRIA: Prince Gallitzin State Park [*Kline* (70878)]. DAUPHIN: Harrisburg [*Porter* (9334)]. WASHINGTON: Speers [*Cusick* 27119].

ARALIACEAE

Aralia hispida Vent. -- CAMERON: Piper-Medix Run and Sinnemahoning roads [Buker (70949)]. WESTMORELAND: Laurel Summit Glade [Mulvihill (unmounted)].

Aralia nudicaulis L. -- GREENE: Jefferson [Henry & Beer (71160)]; also Garrison. LAWRENCE: Eastbrook [Henry & Buker (71158)]; also Slippery Rock Creek. WASHINGTON: Florence [Buker (70977)].

Aralia racemosa L. -- WASHINGTON: McDonald [Dearolph (71243)].

Aralia spinosa L. -- CARBON: Mauch Chunk [Fogg 11963]. LANCASTER: Ephrata [Brubaker 1408]. LYCOMING: Williamsport to Allenwood [Jennings (71259)]. MCKEAN: 3 mi NE of Ludlow [Grisez 563]. POTTER: 5 mi N of Costello [Graham (71289)]. SCHUYLKILL: New Ringgold [Wagner 7170]. SULLIVAN: 8 mi E of Laporte [Westerfeld (71269)]. UNION: Millmont [Will (71260)].

**Panax quinquefolius* L. -- GREENE: 4 mi NE of Mt. Morris [Henry & Buker (71320)]; also 5 mi SE of Waynesburg. POTTER: Austin [Graham (71357)]. VENANGO: Henrys Bend [Wurdock (71330)].

Panax trifolius L. -- CLARION: 5 mi NE of East Brady [Henry (71400)]; also Lawsonham; 5 mi S of Venus.

APIACEAE

Aegopodium podagraria L. -- CLEARFIELD: Penfield [Buker (202013)]. ERIE: 4 mi NE of Union City [Buker (71696)]. WARREN: 3 mi SW of Scandia [Grisez 594].

Aethusa cynapium L. -- ALLEGHENY: Pittsburgh [McCallum (71687)].

Anethum graveolens L. -- CAMBRIA: Johnstown [Jennings (71684)].

Angelica atropurpurea L. -- FAYETTE: Ohiopyle [Buker (71511)].

Angelica venenosa (Greenway) Fern. -- GREENE: 3 mi SW of Deep Valley [Henry & Beer (71584)]. JEFFERSON: 5.5 mi NE of Sigel [Henry (71573)]; also Elbel Junction. LAWRENCE: Hillsville [Beer (71581)]; also McConnells Mill.

Anthriscus sylvestris (L.) Hoffm. -- WARREN: Irvine [Grisez 515].

Carum carvi L. -- ALLEGHENY: Bradford to Ambridge [Jennings, et al. (71672)]. CAMBRIA: Patton [Kline (71669)].

Chaerophyllum procumbens (L.) Crantz -- FAYETTE: Masontown [Henry & Beer (71706)]; also Smock. FULTON: Dickeys Mountain [Henry & Buker (71703)]. LACKAWANNA: Moose Lake [Twining (72005)]. LAWRENCE: Ellwood City [Bright 71714]; also Neshannock Falls. POTTER: 4 mi S of

Coudersport [Shaw (71983)]. SOMERSET: Confluence [Henry (71705)].

Conium maculatum L. -- CRAWFORD: Hartstown [Bright (71979)]. GREENE: 1.9 km ESE of Majorsville, West Virginia [Nishida & Bier 738].

Daucus carota L. -- WASHINGTON: Washington [Wilson 103].

Foeniculum vulgare P. Mill. -- ALLEGHENY: Stoops Ferry [Shafer (72265)].

Hydrocotyle americana L. -- ERIE: 3 mi N of Edinboro [Henry (72406)]; also Erie. FOREST: Tionesta [Buker (72360)]; also 6 mi NE of Mayburg. POTTER: Galeton [Buker (72348)].

Hydrocotyle ranunculoides L.f. -- WARREN: Akeley [Grisez 585].

**Ligusticum canadense* (L.) Britt. -- MIFFLIN: Lewistown [Bright (72483)].

Osmorhiza claytonii (Michx.) C.B. Clarke -- CAMERON: 3 mi NW of Driftwood [Buker (72490)]. FRANKLIN: Sylvan [Buker (72536)]; also 3 mi SE of Mercersburg. FULTON: Big Tonoloway Creek [Henry & Buker (72451)].

Osmorhiza longistylis (Torr.) DC. -- CLINTON: E of Cameron County line on PA 120 [Buker (72643)]. ERIE: Elk Creek at PA 98 [Buker (72667)]. JEFFERSON: Roseville [Henry & Beer (72580)]. WARREN: Warren [Moldenke 14806].

Pastinaca sativa L. -- FAYETTE: Dawson [Utech 81-212]. GREENE: Sycamore [Henry & Buker (72791)]; also 3 mi NE of Waynesburg. LAWRENCE: New Wilmington [Henlen (72782)].

Sanicula canadensis L. -- CRAWFORD: Hydetown [Henry & Buker (72823)]; also Conneaut Lake. ELK: Medix Run [McClelland (72803)]. FOREST: East Hickory [Henry & Buker (72795)].

Sanicula gregaria Bickn. -- ERIE: Presque Isle [Van Dersal (72931)]. LAWRENCE: Hillsville [Beer (72936)]; also 2.5 mi W of Eastbrook.

Sanicula marilandica L. -- POTTER: Brookland [Graham (73062)]. WASHINGTON: Potato Garden Run and Raccoon Creek [Mason (73018)].

Sanicula trifoliata Bickn. -- ARMSTRONG: 6 mi NNE of Leechburg [Henry & Beer (73037)]. BEAVER: Fallston [Henry & Beer (73047)]; also Georgetown; Independence Township. FAYETTE: Cheat Haven [Jennings & Jennings (73034)]. GREENE: 3 mi NE of Waynesburg [Buker (73060)].

Taenidia integerrima (L.) Drude -- CRAWFORD: Saegertown [Buker (73129)]. GREENE: Rogersville [Buker (73133)]. LAWRENCE: Eastbrook [Robinson (73160)].

Thaspium barbinode (Michx.) Nutt. -- ERIE: 5 mi S of I-90 on PA 8 [*Utech* 85-4]. INDIANA: Saltsburg [*Henry* (73197)]; also 3 mi E of Dayton. JEFFERSON: Hamilton [*Henry* (73236)]. LAWRENCE: Plain Grove [*Buker* (73256)]. McKEAN: Morrison [*Henry* (73235)]. NORTHAMPTON/LEHIGH: Bethlehem [*Wolle* (73278)]. WARREN: Irvine [*Henry & Buker* (73255)].

Thaspium trifoliatum (L.) Gray -- LACKAWANNA: Scranton [*Henry* (73326)]. SCHUYLKILL: Point Clinton [*Henry* (73381)].

Zizia aptera (Gray) Fern. -- VENANGO: Bullion [*Buker* (73433)].

Zizia aurea (L.) W.D.J. Koch -- CLARION: 3 mi SW of Elk City [*Buker* (73498)]. GREENE: Carmichaels [*Henry* (73505)].

CORNACEAE

Cornus alternifolia L.f. -- ELK: Medix Run [*McClelland* (73552)].

Cornus amomum P. Mill. -- BEAVER: 4 mi W of Darlington [*Henry & Buker* (74158)]; also Four-Mile Bridge. POTTER: Wharton [*Henry* (74132)].

Cornus canadensis L. -- McKEAN: Hazelhurst [*Boardman* (73804)]. VENANGO: Clintonville [*Henry* (73811)]; also Kennerdell; 4.3 mi SW of Pleasantville.

Cornus florida L. -- CAMBRIA: Nicktown [*Kline* (73906)]. CAMERON: 7 mi NW of Driftwood [*Buker* (73888)]. POTTER: Austin [*Eimer* (73889)].

Cornus foemina P. Mill. subsp. **racemosa** (Lam.) J.S. Wilson [*C. racemosa* Lam.] -- FAYETTE: Connellsville [*Lewis* (74268)]; also 7 mi E of Uniontown; Uniontown. McKEAN: Bonnet [*Grisez* 616]. POTTER: Harrison Valley [*Eimer* 23]; also Cross Fork Hollow.

Cornus rugosa Lam. -- BUTLER: Middle Lancaster [*Lochner* (74335)].

NYSSACEAE

Nyssa sylvatica Marsh. -- CAMBRIA: 2.5 mi N of Nicktown [*Kline* (69930)]. CRAWFORD: 3 mi S of Townville [*Uberman* (69895)]. McKEAN: PA 346 and PA 321 [*Grisez* 627]. POTTER: Cross Fork [*Henry* (69986)].

PYROLACEAE

Chimaphila umbellata (L.) Bart. -- CLARION: Marble [*Buker* (74508)]. FOREST: 7 mi NW of Frills Corners [*Buker* (74502)]; also US 62 near Warren County line.

Monotropa hypopithys L. -- ELK: Portland Mills [*Henry & Buker* (74560)]. FOREST: 3 mi W of Kellettville [*Grisez* 514].

Pyrola americana Sweet [*P. rotundifolia* L. var. *americana* (Sweet) Fern.] -- JEFFERSON: near Elk County line on PA 949 [*Henry & Buker* (74864)]. WASHINGTON: Murdocksville [*Buker* (74869)].

Pyrola elliptica Nutt. -- ARMSTRONG: no further locality [*Knipe* (75096)]. CAMERON: E of Elk County line on PA 120 [*Buker* (75025)]. ELK: Benezette [*Buker* (75028)].

ERICACEAE

Epigaea repens L. -- ERIE: Mercyhurst [*Hepner* (111358)].

***Gaultheria hispidula** (L.) Muhl. ex Bigel. [*Chiogenes hispidula* (L.) Torr. & Gray] -- POTTER: 4-5 mi N of Coudersport [*Buker* (75332)].

Gaultheria procumbens L. -- GREENE: Mt. Morris [*Henry & Buker* (75457)]; also 3 mi SW of Deep Valley.

Gaylussacia baccata (Wang.) K. Koch -- CAMERON: Sinnemahoning and Karthaus roads [*Buker* (75663)]. GREENE: Mt. Morris [*Henry & Beer* (75638)]; also 3 mi SW of Deep Valley; Time. McKEAN: E of Warren County line on PA 59 [*Buker* (75555)].

***Gaylussacia dumosa** (Andr.) Torr. & Gray -- LEHIGH: Bethlehem [*Wolle* (75772)].

Gaylussacia frondosa (L.) Torr. & Gray -- CLINTON: 2-3 mi S of State Camp [*Henry & Buker* (75748)]. LACKAWANNA: Carbondale [*Buker* (75757)]. YORK: Clark Valley [*Bright* (75764)].

Lyonia ligustrina (L.) DC. -- ARMSTRONG: no further locality [*Knipe* (76031)]. FOREST: 3 mi NW of Tionesta [*Grisez* 481].

***Oxydendrum arboreum** (L.) DC. -- CHESTER: Unionville [*Seals* (254433)]. SOMERSET: Somerset [*Curto* (76080)].

Rhododendron maximum L. -- CRAWFORD: 2.5 mi SW of Townsville [*Henry* (76196)]. MERCER: Cresson Springs [*Aschman* (76201)]. POTTER: 7 mi NE of Cross Fork [*Henry* (76232)].

Rhododendron periclymenoides (Michx.) Shinners -- McKEAN: E of Warren County line on PA 59 [*Buker* (76241)].

Vaccinium angustifolium Ait. -- CAMERON: Sinnemahoning-Piper road [*Buker* (76503)]; also 3 mi S of Emporium; Truman.

Vaccinium corymbosum L. [including *V. atrococcum* (Gray) Heller] -- LAWRENCE: Harlansburg [*Henry* (76788)]; also Eastbrook; 2 mi SE of Leesburg. SOMERSET: Blackfield [*Henry & Ross* (76692)].

Vaccinium macrocarpon Ait. -- CLARION: Rimersburg [Buker (76874)]. McKEAN: Ormsby [Grisez 609].

Vaccinium pallidum Ait. [*V. vacillans* Torr.] -- ERIE: 3.5 mi SE of Wattsburg [Henry & Buker (77430)]. McKEAN: 11 mi W of Bradford [Grisez 690].

Vaccinium stamineum L. -- GREENE: Graysville [Henry & Buker (77159)]; also 3.5 mi SW of Deep Valley; Mt. Morris. McKEAN: 7.2 mi N of Port Allegany [Buker (77020)]; also 11 mi W of Bradford; 3.2 mi NW of Marshburg.

PRIMULACEAE

Anagallis arvensis L. -- HUNTINGDON: 2.5 mi NW of Saltillo [Pearth (77437)].

Lysimachia nummularia L. -- LAWRENCE: Bessemer [Henry & Beer (77686)]. VENANGO: Rockland Station [Henry (77675)].

Lysimachia quadrifolia L. -- GREENE: 3.5 km SSW of West Finley [Thompson & Nishida 2398]. SOMERSET: Fairhope [Buker (77845)]; also 5 mi from Blough; Glen Savage; Johnstown; Laurel Hill.

Samolus parviflorus Raf. -- ERIE: West Springfield [Vogler & Bier 4-3]. NORTHAMPTON: Easton [Jennings (78160)].

Trientalis borealis Raf. -- ARMSTRONG: no further locality [Knipe (78095)]. LAWRENCE: New Castle [Robinson (78137)]. POTTER: 10 mi S of Coudersport [Buker (78087)].

EBENACEAE

Diospyros virginiana L. -- MERCER: Sharon [Hasse (78178)]. SNYDER: Troxelville [Lewis (78177)]. WASHINGTON: Primrose [Buker (78165)].

OLEACEAE

Fraxinus americana L. -- CAMERON: Sinnemahoning [Henry & Roslund (78186)].

Fraxinus nigra Marsh. -- INDIANA: Luciusboro [Henry & Buker (78372)].

Fraxinus pennsylvanica Marsh. -- FAYETTE: Connellsville [Lewis (78403)]. SOMERSET: Quemahoning Reservoir [Mozingo (78432)].

Ligustrum obtusifolium Sieb. & Zucc. -- WARREN: North Warren (escaped) [Moldenke 15213].

Ligustrum ovalifolium Hassk. -- WESTMORELAND: Trafford [Jennings (78481)].

Ligustrum vulgare L. -- ERIE: Presque Isle [Buker (78470)].

Syringa vulgaris L. -- WARREN: Irvine [Henry & Buker (78462)].

LOGANIACEAE

Buddleja davidii Franch. -- ALLEGHENY: Pittsburgh (escape) [Buker (78460)]. WESTMORELAND: Tunnelton [Henry (78459)].

GENTIANACEAE

Bartonia virginica (L.) B.S.P. -- BEAVER: Legionville Hollow [Jennings (78570)]. ELK: Carman [Grisez 656]; also Medix Run. MERCER: 5 mi SW of Sandy Lake [Henry & Erdman (78550)]; also Perrine Corners; Swamp Root. SOMERSET: Buckstown [Jennings (78552)].

Gentiana andrewsii Griseb. -- CAMERON: 4.3 mi S of McKean County line on PA 46 [Buker (78579)]. FAYETTE: Melcroft [Utech 81-427]. MONROE: Marshalls Creek [Henry & Graham (78618)]. SOMERSET: Ferreltown [Utech 81-438].

Gentiana crinita Froel. -- FOREST: between Clarington and Redcliff [Buker (78824)].

Gentiana quinquefolia L. -- WARREN: 5 mi E of Warren [Grisez 665].

Menyanthes trifoliata L. -- WARREN: Clarendon [Buker & Grisez (78528)].

Obolaria virginica L. -- FULTON: 2.5 mi SE of Warfordsburg [Buker & Beer (78494)].

Sabatia angularis (L.) Pursh -- WASHINGTON: 5 mi SE of Burnsville [Buker (78923)].

APOCYNACEAE

Apocynum androsaemifolium L. -- GREENE: 3 mi NE of Waynesburg [Henry & Beer (79115)]. LAWRENCE: Eastbrook [Henry & Beer (78991)]; also New Castle; Rock Point. WASHINGTON: Hackney Station [Grimm (79063)].

Apocynum cannabinum L. -- MERCER: Leesburg [Buker (79120)].

Vinca minor L. -- BEAVER: New Bethlehem [Henrici (79307)]. CRAWFORD: Meadville [Mossman (293823)]. ELK: Medix Run [McClelland (79322)]. LAWRENCE: New Wilmington [Henlen 140]; also New Castle. WASHINGTON: Lawrence [Thompson 598].

ASCLEPIADACEAE

Asclepias exaltata L. -- CAMERON: Sinnemahoning [Buker (79329)]. CLARION: Clarion [Jennings (80332)]. ELK: 3-4 mi NW of Millstone [Henry (80328)]; also Glen Hazel. FOREST: Endeavor [Leberman (80323)]. GREENE: 5 mi above mouth of Dunkard Creek [Graham (79377)]; also 2.5 mi N of Oak Forest. MERCER: Henderson [Henry & Beer (79361)]. POTTER: Cross Fork [Boufford & Wood 21154]; also 4.5 mi NW of Carter Camp. WASHINGTON: PA 231 at Buffalo Creek [Buker (203913)].

Asclepias incarnata L. -- CAMERON: 2 mi E of Dents Run [Buker (79546)].

Asclepias purpurascens L. -- ALLEGHENY: Leetsdale [Buker (202007)]. BEAVER: Raccoon Creek at US 30 [Henrici (80692)]. POTTER: Dryfield [Eimer (80689)].

Asclepias quadrifolia Jacq. -- WARREN: Warren [Grisez 511].

Asclepias syriaca L. -- GREENE: Sycamore [Henry & Buker (80481)]; also Jefferson; 3.5 mi N of Nettle Hill. INDIANA: Willet [Henry & Beer (80492)]. LAWRENCE: Harlansburg [Jennings (80475)]. WASHINGTON: Bavington [Buker (80453)].

Asclepias tuberosa L. -- CAMBRIA: 2.5 mi N of Nicktown [Kline (80539)]. LAWRENCE: New Castle [Robinson (80542)].

**Asclepias variegata* L. -- MONROE: Delaware Water Gap [Knipe (80670)].

CONVOLVULACEAE

Calystegia pubescens Lindl. -- LAWRENCE: McConnells Mill [Bright (80714)].

Calystegia spithamea (L.) Pursh -- WARREN: Warren [Grisez 336].

**Cuscuta cephalanthii* Engelm. -- FULTON: Harrisonville [Buker (80896)]. MERCER: Sharpsville [Buker (80906)]. WASHINGTON: Murdocksville [Buker (80904)].

Cuscuta epithymum (L.) L. -- HUNTINGDON: Pennsylvania Furnace [Jennings (80894)].

Cuscuta gronovii Willd. ex Schultz -- FULTON: Harrisonville [Henry & Buker (80879)]. LAWRENCE: Plain Grove [Buker (254186)]; also 4 mi E of New Castle.

Cuscuta pentagona Engelm. -- FAYETTE: 3 mi NNW of Melcroft [Utech 82-389].

Ipomoea hederacea Jacq. -- ALLEGHENY: Dixmont [Bright (81008)]; Glenshaw [Bright (81009, 81010)]. WASHINGTON: New Eagle [Buker (81006)].

Ipomoea pandurata (L.) G.F.W. Mey. -- BEAVER: 4 mi W

of Clinton [Buker (81035)]; also Reardons Run. BUTLER: 4 mi NE of Harmony [Henry (81034)]. LAWRENCE: Rock Point to Ellwood [Shafer (81033)]. SOMERSET: 3-4 mi N of Confluence [Henry (81022)]; also Somerset. WASHINGTON: Amity [Buker (81049)].

Ipomoea purpurea (L.) Roth -- MERCER: Osgood [Henry & Buker (80997)].

POLEMONIACEAE

Phlox maculata L. -- WASHINGTON: 5 mi N of Hanlin Station [Buker (81257)]; also Aunt Clara Fork of Kings Creek.

Phlox paniculata L. -- VENANGO: 5 mi SE of Oil City [Henry (81337)]. WARREN: North Warren [Moldenke 16702].

Phlox stolonifera Sims -- CRAWFORD: Pymatuning State Park [Bissell 1985:48].

Phlox subulata L. -- BUTLER: no further locality [Passavant (81491)]. CAMBRIA: 2 mi E of Camp Hamilton [Van Dersal (81485)]. CLINTON: Keating [Henry & Buker (81476)].

Polemonium reptans L. -- CLINTON: Hyner [Buker (81526)]; also 3 mi NW of Lock Haven. NORTHAMPTON/LEHIGH: Bethlehem [Wolle (81602)].

HYDROPHYLLACEAE

Hydrophyllum appendiculatum Michx. -- FAYETTE: New Geneva [Henry & Beer (81688)].

Hydrophyllum canadense L. -- BUTLER: Todd Sanctuary [Lochner (81739)]. MERCER: Carlton [Leberman (81754)].

Hydrophyllum virginianum L. -- CLARION: 5-6 mi W of PA 854 on PA 861 [Buker (81787)]. UNION: Lewisburg [Atkins (81788)].

Phacelia purshii Buckl. -- FAYETTE: Masontown [Henry & Beer (81913)]; also 2-3 mi S of Ralph. FRANKLIN: Sylvan [Buker (81944)].

BORAGINACEAE

Cynoglossum officinale L. -- BEAVER: Beaver [Andriessen (81974-81976)]. LAWRENCE: Ellwood City [Buker (81971)]; also New Castle; Pulaski. SOMERSET: 4 mi S of Shanksville [Henry (81901)].

Cynoglossum virginianum L. -- ARMSTRONG: no further locality [Knipe (81999)]. FOREST: East Hickory [Henry & Buker (81991)]. WAYNE: Honesdale [Jennings (82036)].

Echium vulgare L. -- CAMBRIA: Barnesboro [Kline (82054)]. ELK: Ridgway [Grisez 662]. ERIE: Erie [Anderson (265012)]; also Presque Isle. GREENE: 3 mi NE of Waynesburg [Henry & Beer (82069)]. MERCER: Swamp Root [Henry (82056)]; also Jackson Center. POTTER: Sweden Valley [Henry (82042)].

Hackelia virginiana (L.) I.M. Johnst. -- CAMERON: 3 mi S of Emporium [Henry & Buker (82140)]. CLINTON: Keating [Buker (82145)]. FAYETTE: Ohiopyle [Bright (82156)]. FULTON: Ft. Littleton [Henry & Buker (82139)]; also Warfordsburg. INDIANA: Willet [Henry & Beer (82150)]. JEFFERSON: Hamilton [Henry & Beer (82107)]. POTTER: Coudersport [Barrie 16564]. WARREN: North Warren [Moldenke 15566]; also Tidioute.

Heliotropium europaeum L. -- FAYETTE: Grindstone [Cusick 12647].

Lappula echinata Gilib. -- FAYETTE: Ohiopyle [Bright (82230)].

Lithospermum arvense L. -- BEAVER: no further locality [Andriessen (82206)].

***Lithospermum latifolium** Michx. -- WASHINGTON: 5 mi SE of Burnsville [Buker (82249)]; also 3 mi SW of Burnsville.

Mertensia virginica (L.) Pers. ex Link -- INDIANA: 3 mi NE of Shelocta [Henry & Beer (82288)]. NORTHAMPTON/LEHIGH: Bethlehem [Wolle (82379)]. NORTHUMBERLAND: 3 mi SE of Montandon [Manning (82278)].

Myosotis arvensis (L.) Hill -- ALLEGHENY: Pittsburgh [Buker (82480)]; also Harmarville. CHESTER: no further locality [no collector (157921)]. ERIE: Presque Isle [Jennings (82481)]. WARREN: North Warren [Moldenke 16453].

Myosotis scorpioides L. -- WASHINGTON: Beaver Run Reservoir [Polechko (304432)].

Symphytum officinale L. -- TIOGA: Wellsboro [Farnsworth (9807)]. WESTMORELAND: New Florence [Jennings (82546)].

VERBENACEAE

Verbena bracteata Lag. & Rodr. -- ERIE: Presque Isle [Grisez 834].

LAMIACEAE

Agastache nepetoides (L.) Kuntze -- FAYETTE: Fayette [Burig (82875)]. GREENE: Nineveh [Buker (82871)].

Ajuga reptans L. -- ALLEGHENY: Crafton [Krouse (82916)]. CENTRE: 3 mi E of Phillipsburg [Buker (82913)]. MONROE: East Stroudsburg [Knepp (82918)]. WARREN:

Irvine [Grisez 488]. WESTMORELAND: 3.5 mi S of Rector [Mulvihill (unmounted)].

Blephilia ciliata (L.) Raf. -- BEAVER: 4 mi W of Clinton [Henry (82978)]; also Duff City; Pattons Point. FRANKLIN: Mercersburg [Wolle (82993)]. NORTHAMPTON/LEHIGH: Bethlehem [Wolle (82994)].

Blephilia hirsuta (Pursh) Benth. -- BUTLER: Temperanceville [Koenig (83078)]. HUNTINGDON: 2.5 mi NW of Saltillo [Pearth (83002)]. WARREN: Tidioute [Grisez 599]. WASHINGTON: West Finley [Thompson, et al. 1930]; also Bavington; 5 mi SE of Burnsville. WAYNE: Honesdale [Jennings & Gress (83026)].

Collinsonia canadensis L. -- CAMBRIA: Ashville [Henry (83040)]. MERCER: Mercer [Henry & Buker (83114)]; also Centertown; 5 mi SW of Sandy Lake.

Galeopsis tetrahit L. -- ARMSTRONG: Parkers Landing [Bright (83242)]. CAMERON: Cameron [Buker (83237)]; also 3 mi N of Emporium. CRAWFORD: Spartansburg [Buker (83255)]. GREENE: Austin [Buker (83233)].

Glechoma hederacea L. -- CRAWFORD: Pymatuning [Van Dersal (83301)]; also Meadville.

Hedeoma pulegioides (L.) Pers. -- LAWRENCE: New Castle [Robinson (83476)]; also 4 mi N of Harlansburg; New Wilmington. McKEAN: 3.3 mi N of Crosby [Buker (83461)]. POTTER: 5 mi N of Cross Fork [Buker (83460)]. VENANGO: Freedom [Buker (83530)].

Lamium amplexicaule L. -- WARREN: Warren [Moldenke 14471].

Lamium maculatum L. -- ALLEGHENY: Castle Shannon [Smith (83656)]. BEAVER: no further locality [Koch (83654)]. CARBON: Leighton [Ortman (83660)]. GREENE: Enlow Creek [Henry (83657)].

Lamium purpureum L. -- CLINTON: Keating [Buker (83662)]. MERCER: Drake [Henry (83670)]; also 4 mi SE of Mercer. WARREN: Irvine [Grisez 723].

Leonurus cardiaca L. -- CLINTON: North Bend [Buker (202029)]. MERCER: Leesburg [Buker (83726)]; also Drake.

Lycopus uniflorus Michx. -- VENANGO: 5 mi SE of Oil City [Henry (84033)]; also 2-3 mi S of Diamond.

Lycopus virginicus L. -- CAMBRIA: 5.3 mi NW of Loretto [Henry & Buker (83959)]. ERIE: Elk Creek [Henry & Buker (83967)]; also Presque Isle. LAWRENCE: Harlansburg [Buker (84016)]; also 2 mi SE of Leesburg; 7 mi W of New Castle. McKEAN: Kane [Jennings & Jennings (83952)]; also junction of PA 346 and 446. MERCER: 5 mi NW of Fairview [Henry & Buker (83969)]; also 5 mi SW of Sandy Lake. POTTER: Sizerville [Buker (83938)]; also 8 mi E of Coudersport. WASHINGTON: Murdocksville [Buker (84023)].

Marrubium vulgare L. -- BEAVER: Freedom [Shafer (84140)].

Melissa officinalis L. -- WASHINGTON: Bulger [Scarton (84112)].

Mentha canadensis L. [*M. arvensis* L.] -- CAMBRIA: 5 mi NE of Patton [Kline (84203)]. CAMERON: Driftwood [Jennings & Jennings (84239)]. CRAWFORD: 6 mi S of Meadville [Buker (84303)]; also Conneaut Lake; Hartstown. FULTON: Ft. Littleton [Buker (84276)]; also Big Tonoloway Creek. GREENE: Jefferson [Henry & Buker (84270)]. JEFFERSON: Hamilton [Henry & Beer (84199)]. WASHINGTON: Bavington [Buker (84217)]; also Murdocksville.

Mentha gentilis L. -- ALLEGHENY: Pittsburgh [Bright (84151)]; also Glassport.

Mentha piperita L. -- CAMBRIA: Nicktown [Kline (84405)]. CAMERON: Driftwood [Jennings & Jennings (84339)]. ELK: Rasselas [Buker (84333)]. MERCER: Mercer [Jennings (84359)]. VENANGO: 5 mi SE of Oil City [Henry (84344)]. WARREN: North Warren [Moldenke 16598]. WASHINGTON: Bavington [Buker (84419)].

Mentha spicata L. -- CAMBRIA: Nicktown [Kline (84392)]. LAWRENCE: Bessemer [Henry & Beer (84385)]. MERCER: 4 mi NE of Clarksville [Henry & Buker (84441)]; also Osgood. WARREN: North Warren [Moldenke 16606].

Mentha villosa Huds. [*M. alopecuroides* Hull] -- ARMSTRONG: Ford City [Buker (84165)].

Monarda clinopodia L. -- CAMERON: Sterling Run [Buker & Henry (84467)]. ELK: Caledonia [Buker (84470)]; also Medix Run. LAWRENCE: Plain Grove [Buker (84561)]; also Harlansburg; New Castle. POTTER: Sweden Valley [Buker (84469)].

Monarda didyma L. -- HUNTINGDON: Pogue [Pearth (84691)]. WARREN: Sugargrove [Buker (84721)]; also Irvine; North Warren; 7 mi NE of Titusville.

Monarda fistulosa L. -- CRAWFORD: Little Cooley [Leberman (84837)]. ERIE: North East [Jennings (84816)]; also Presque Isle. FOREST: 4 mi SW of Tionesta [Buker (84805)]; also Trunkville. GREENE: Garrison [Henry & Beer (84829)]; also 3.5 mi SW of Deep Valley. LAWRENCE: Slippery Rock Creek [Buker (84806)]; also Elliot Mills. LYCOMING: 3 mi S of Waterville [Fox (83834)]. McKEAN: PA 446 at PA 155 [Buker (84804)]. MERCER: 5 mi NW of Mercer [Buker (84817)]; also Houston Junction. WARREN: 3 mi W of Lottsville [Grisez 683].

Monarda media Willd. -- CLARION: Cook Forest [Jennings (84644)]. GREENE: Deep Valley [Jennings (84685)]. HUNTINGDON: Huntingdon [Jennings (84683)]. VENANGO: Sandy Creek [Henry (84589)].

Nepeta cataria L. -- CAMBRIA: Nicktown [Kline (84887)]. CAMERON: Sinnemahoning [Buker (84866)]. GREENE: 3 mi NW of Ruffcreek [Henry & Buker (84992)]; also Graysville; 5 mi W of Waynesburg. SOMERSET: 4 mi N of Stoystown [Ross (9572)]. VENANGO: 2.5 mi N of Springville [Henry (84964)].

Origanum vulgare L. -- FAYETTE: Scullton [Lewis (84951)].

Perilla frutescens (L.) Britt. -- ELK: Ridgway [Mulaik (84956)].

Physostegia virginiana (L.) Benth. -- BEAVER: Ohio River [Mansfield (158043)]. CAMBRIA: Garman [Kline (158045)]. MERCER: Osgood [Henry & Buker (158050)].

Prunella vulgaris L. -- WASHINGTON: West Finley [Thompson, et al. 2500]; also Taylorstown.

Pycnanthemum tenuifolium Schrad. -- ERIE: Lake Erie at Crooked Creek [Henry & Buker (85222)]. McKEAN: E side of Kinzua Lake [Buker (85118)]. PERRY: Losh Run [Jennings & Gress (85244)]. WARREN: Warren [Grisez 509].

**Pycnanthemum torrei* Benth. -- NORTHAMPTON: Easton [Porter (85257)].

Pycnanthemum verticillatum (Michx.) Pers. -- ELK: Medix Run [Jennings & McClelland (85310)]. FULTON: Saluvia [Henry & Buker (85265)]. INDIANA: 4 mi E of Pine Flats [Henry & Buker (85311)]. JEFFERSON: Heathsville [Henry (85263)]; also 3.5 mi S of Ohl. SUSQUEHANNA: Montrose [Frost (85331)]. WESTMORELAND: Jack's Island [Shafer & Thorpe (85314)].

Pycnanthemum virginianum (L.) Durand & Jackson ex B.L. Robins. & Fern. -- BEAVER: New Galilee [Jennings (85355)]. CLINTON: 3.3 mi W of Westport [Buker & Henry (85334)]. ERIE: Presque Isle [Jennings & Jennings (85342)].

Salvia lyrata L. -- WESTMORELAND: Youngwood [Paxton (25991)].

Satureja hortensis L. -- ELK: Montmorenci [Patterson (85413)].

Scutellaria galericulata L. [*S. epilobiifolia* A. Hamilt.] -- WARREN: Clymer [Clawson (85537)].

Scutellaria incana Biehl. -- JEFFERSON: Timblin [Henry & Beer (85693)]. WASHINGTON: Florence [Buker (85722)].

Scutellaria nervosa Pursh -- GREENE: Garards Fort [Buker (85916)]. WASHINGTON: Murdocksville [Henry (85939)]; also 8 mi W of Washington.

**Scutellaria saxatilis* Riddell -- GREENE: Jefferson [Henry & Buker (85898)]. SOMERSET: 3-4 mi N of Confluence [Henry (85876)]. VENANGO: Lisbon [Buker (85875)].

**Stachys nuttallii* Shuttlw. ex Benth. [Species not listed in Wherry, et al. (1979).] -- WASHINGTON: West Finley [Buker (85962)].

Stachys tenuifolia Willd. -- CLARION: Sarah Furnace [Buker (85981)].

Teucrium canadense L. -- McKEAN: Marshburg [Buker (21281)].

Trichostema dichotomum L. -- CAMBRIA: Nicktown [Kline (86163)]. CRAWFORD: Conneaut Lake [Shafer (86153)]. ELK: Ridgway [Buker (86152)]; also Carman.

SOLANACEAE

Datura stramonium L. -- BEAVER: Big Sewickley Creek [Graham (86188)]; also Independence. FAYETTE: Fayette [Burg (86186)]. MIFFLIN: Lewistown [Bright (86199)].

Lycium chinense P. Mill. [including *L. halimifolium* P. Mill.] -- ALLEGHENY: McKees Rocks [Buker (86219)]; also Overlook Point; Pittsburgh. FAYETTE: Perryopolis [Henry & Buker (86223)].

Nicandra physalodes (L.) Gaertn. -- FULTON: Big Tonoloway Creek [Bright (86211)].

Physalis heterophylla Nees -- CAMBRIA: Nicktown [Kline (86290)]. LAWRENCE: New Castle [Robinson (86310)]; also Chewton to Rock Point. WARREN: Akeley [Grisez 532]. WASHINGTON: Bavington [Buker (86284)]; also McDonald Reservoir.

Physalis subglabrata Mackenzie & Bush -- CAMBRIA: Nicktown [Kline (86346)]. FAYETTE: Layton [Buker (86347)]; Dawson [Utech 81-223]. JEFFERSON: Heathville [Henry (86338)]. LAWRENCE: Rock Point Park [Buker (86336)].

***Physalis virginiana** P. Mill. -- DELAWARE: Medford [Smith (86375)].

Solanum carolinense L. -- CAMBRIA: Johnstown [Jennings (86420)]. CRAWFORD: 4 mi NE of Cochranton [Henry & Buker (86427)]; also 3 mi NW of Blooming Valley; Cambridge Springs. GREENE: 3.6 km SSW of West Finley [Thompson & Nishida 2508]; also 2.5 mi N of Oak Forest; Ryerson. LAWRENCE: New Wilmington [Henlen (86395)]; also New Castle; Volant. POTTER: Coudersport [Farnsworth (10489)]. WARREN: North Warren [Moldenke 15565]; also 7.5 mi NE of Tidioute.

Solanum dulcamara L. -- CAMERON: 3 mi E of Emporium [Henry & Buker (86496)]. FAYETTE: Ohiopyle [Shafer & Kinzer (86507)]. INDIANA: 2.5 mi N of Armagh [Henry & Beer (86502)]. LAWRENCE: New Castle [Robinson (86515)]; also 10 mi SE of Mercer. UNION: Lewisburg [Manning (86498)]. WASHINGTON: Washington [Wilson 105].

Solanum nigrum L. -- LAWRENCE: Ellwood City [Buker (86534)].

SCROPHULARIACEAE

Agalinis tenuifolia (Vahl) Raf. -- BRADFORD: Wyalusing [Jennings (87138)]. TIOGA: Gaines [Jennings (87137)].

Antirrhinum majus L. -- ALLEGHENY: Pittsburgh [Buker (86568)].

Aureolaria flava (L.) Farw. -- ARMSTRONG: no further locality [Knipe (86582)]. FAYETTE: 5 mi SE of Farmington [Jennings (86590)]; also 3.5 mi E of Dunbar; 4-5 mi SE of Haydentown. JEFFERSON: Elbel Junction [Henry & Roslund (86581)].

Aureolaria laevigata (Raf.) Raf. -- ELK: Gillen [Jennings (86647)]. JEFFERSON: 4 mi NE of Sigel [Henry (86649)].

Aureolaria pedicularia (L.) Raf. -- ELK: Ridgway [Jennings (86676)].

Aureolaria virginica (L.) Pennell -- CLINTON: 6 mi N of Westport [Henry & Buker (86760)]; also Pottersdale to Renovo. CRAWFORD: 2.5 mi SE of Meadville [Leberman (86710)]. ELK: Medix Run [Buker (86708)]. FULTON: Needmore [Buker (86707)]; also Big Tonoloway Creek. INDIANA: Willet [Henry & Beer (86763)]; also Creekside. MERCER: Stoneboro [Henry & Buker (86751)]. SOMERSET: Stoystown [Patterson (86713)]. VENANGO: SW of Tionesta [Krouse (86762)].

Castilleja coccinea (L.) Spreng. -- ALLEGHENY: Thorn Hill [Shafer (86804)]. ERIE: Presque Isle [Guttenberg (86806)].

Chaenorhinum minus (L.) Lange -- BUTLER: Portersville Station [Henry (86770)]. CAMERON: Emporium [Buker (86774)]; also Truman. CLINTON: Keating [Ahles 74367]. MCKEAN: 2.5 mi W of Smithport [Buker (86775)]. SOMERSET: Somerset [Cusick 26728].

***Collinsia verna** Nutt. -- BEAVER: Beaver Creek [Huichman (87046)]. FAYETTE: Masontown [Henry & Beer (87037)].

Gratiola neglecta Torr. -- GREENE: Garards Fort [Henry & Buker (87232)]; also 3 mi SW of Deep Valley.

Linaria canadensis (L.) Dumont -- ALLEGHENY: Leetsdale [Buker (87280)]. CRAWFORD: 3-4 mi N of Hartstown [Buker (87278)]. LAWRENCE: Ellwood City [Buker (87279)]. MERCER: between Transfer and Greenville [Homer (87277)].

Linaria vulgaris Hill -- GREENE: 5 mi N of Point Marion [Buker (87284)]. LAWRENCE: New Wilmington [Henlen (87270)].

Lindernia dubia (L.) Pennell [including *L. anagallidea* (Michx.) Pennell] -- CAMBRIA: Johnstown [Patterson (87383)]. FRANKLIN: Mercersburg [Wolle (87344)]. LAWRENCE: Muddy Creek Falls [Buker (87351)]; also Harlansburg; Slippery Rock Creek. NORTHUMBERLAND: East Lewisburg [Manning (158062)]; also Montour Mountains. WASHINGTON: Mingo Creek [Buker (87352)].

Melampyrum lineare Desr. -- CLARION: Marble [Buker (92759)]. FOREST: Tionesta [Krouse (92783)].

Mimulus ringens L. -- MERCER: Grove City [Henry (92946)].

Pedicularis canadensis L. -- CAMERON: 5 mi W of Emporium [Buker (93073)]. MIFFLIN: 2.5 mi WNW of Belleville [Henry (93120)]. WASHINGTON: Murdockville [Buker (93146)].

Pedicularis lanceolata Michx. -- ALLEGHENY: Wildwood [Patterson (93158)].

Penstemon canescens (Britt.) Britt. -- BERKS: Fleetwood [Berkheimer 2545].

Penstemon digitalis Nutt. ex Sims -- CAMBRIA: Nicktown [Kline (93227)]. CAMERON: Cameron [Buker (93229)]. CLINTON: Pottersdale to Renovo [Jennings (93238)]. McKEAN: 3.2 mi W of Ceres [Buker (93252)].

Penstemon hirsutus (L.) Willd. -- FULTON: Dickey's Mountain [Henry & Buker (93326)]. SUSQUEHANNA: Montrose [Frost (93343)].

Penstemon laevigatus (L.) Ait. -- GREENE: 3 mi SE of Ryerson [Henry & Buker (93377)]. MERCER: Salem [Buker (93382)].

Scrophularia lanceolata Pursh -- FULTON: Big Tonoloway Creek [Henry & Buker (93410)]. WASHINGTON: 3 mi S of West Finley [Buker (93456)]; also 6 mi E of Florence.

Scrophularia marilandica L. -- CRAWFORD: Saegerstown [Buker (93502)]. FOREST: Tionesta [Buker (93507)]; also Clarington; West Hickory. FULTON: Harrisonville [Buker (2130)]; also Ft. Littleton. LAWRENCE: 2.5 mi W of Eastbrook [Henry & Beer (93521)].

Scrophularia nodosa L. [Species not listed in Wherry, et al. (1979)] -- POTTER: Cross Fork [Boufford & Wood 21149].

Verbascum blattaria L. -- POTTER: Coudersport [Farnsworth (9293)].

Verbascum thapsus L. -- GREENE: Sycamore [Henry & Buker (93661)]. SOMERSET: Meyersdale [Thompson, et al. 2455].

Verbascum virgatum Stokes -- ALLEGHENY: Pittsburgh [Buker (93570)].

Veronica americana (Raf.) Schwein. ex Benth. -- WASHINGTON: 3 mi S of West Finley [Buker (93700)].

Veronica anagallis-aquatica L. -- ERIE: Presque Isle [Buker (93870)]; also Corry. WARREN: 8 mi E of Corry [Grisez 677]. WASHINGTON: Washington [Wilson 101].

Veronica arvensis L. -- UNION: West Milton [Manning (93815)].

Veronica chamaedrys L. -- McKEAN: Lafayette [Buker (93802)]; also 4 mi NW of Aiken. TIOGA: Gaines [Wible 547].

Veronica peregrina L. -- LAWRENCE: New Castle [Robinson (94066)]. SOMERSET: 2.25 mi NNE of Thomas Mills [Ross (94060)].

Veronica serpyllifolia L. -- CAMERON: Cameron [Buker (94146)]. LAWRENCE: Pulaski [Henry & Beer (94120)].

Veronicastrum virginicum (L.) Farw. -- CRAWFORD: 3.5 mi ESE of Meadville [Leberman (94213)]. JEFFERSON:

Hamilton [Henry & Beer (94209)].

BIGNONIACEAE

Campsis radicans (L.) Seem. -- VENANGO: Sugar Creek at US 322 [Buker (94270)]. WASHINGTON: California [Buker (94269)].

Catalpa bignonioides Walt. -- ALLEGHENY: Pittsburgh [Thompson 2208]. WASHINGTON: 3.7 km ESE of Majorsville, West Virginia [Thompson & Nishida 2530]; also Washington.

Catalpa speciosa (Warder ex Barney) Engelm. -- ALLEGHENY: Ambridge [Graham (94282)]. BEAVER: Independence and Bocktown [Henrici (94288)].

OROBANCHACEAE

Conopholis americana (L.) Wallr. -- ERIE: Erie [Anderson (265015)]. LAWRENCE: 4 mi N of New Castle [Buker (94332)]; also Wurttemberg. McKEAN: 10 mi NW of Marshburg [Buker (94334)].

Epifagus virginiana (L.) Bart. -- CAMERON: between Emporia and St. Marys [Buker (94395)]. VENANGO: Utica [Henry & Beer (94457)].

Orobanche uniflora L. -- FOREST: Tionesta [Henry & Buker (94505)]. FULTON: 2.5 mi SE of Warfordsburg [Buker & Beer (94507)]. McKEAN: 7.2 mi N of Port Allegany [Buker (94522)]; also Eldred.

LENTIBULARIACEAE

***Utricularia gibba** L. -- SOMERSET: Boswell [Mulvihill (296765)].

Utricularia vulgaris L. -- BEAVER: Little Beaver Creek [Mansfield (94588)]; also 3 mi W of Harmony.

PHRYMACEAE

Phryma leptostachya L. -- LAWRENCE: 2 mi SE of Leesburg [Henry (94743)]; also New Castle.

PLANTAGINACEAE

Plantago major L. -- GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2050]. HUNTINGDON: 2.5 mi NW of Saltillo [Pearth (94827)]. LAWRENCE: New Castle [Robinson (94830)]. WASHINGTON: Washington [Wilson 202].

Plantago rugelii Dcne. -- WASHINGTON: West Finley [Thompson & Nishida 2501].

Plantago virginica L. -- LAWRENCE: New Castle [Robinson (95036)].

RUBIACEAE

Diodia teres Walt. -- ALLEGHENY: Emsworth [Thomas & Buker 2975].

Galium aparine L. -- LAWRENCE: Pulaski [Henry & Beer (95250)]; also Eastbrook.

Galium boreale L. -- McKEAN: 10 mi NW of Marshburg [Buker (95439)].

Galium circaeazans Michx. -- CAMBRIA: no further locality [Patterson (95528)]. CLEARFIELD: 2.2 mi S of Glen Hope [Buker (95535)].

Galium concinnum Torr. & Gray -- ARMSTRONG: no further locality [Knipe (95468)]. CRAWFORD: 2.5 mi N of Rockdale Center [Henry & Buker (95483)]. GREENE: 3 mi SW of Deep Valley [Buker (95485)].

Galium lanceolatum Torr. -- ARMSTRONG: no further locality [Knipe (95666)]. CLARION: 4 mi SW of Fisher [Henry (95679)]. POTTER: 6 mi NE of Costello [Henry (95714)].

Galium mollugo L. -- ERIE: Union City [Buker (95615)]. FAYETTE: Ohiopyle [Jennings (95616)]. VENANGO: 5 mi SE of Oil City [Henry (95623)]. WARREN: 3 mi E of Tidioute [Grisez 679]. WASHINGTON: 3.5 km ESE of Majorsville, West Virginia [Thompson 2437].

Galium obtusum Bigel. -- BEAVER: Raccoon Creek at US 30 [Henrici (95627)]. CAMBRIA: 5 mi NE of Patton [Kline (95637)]. ERIE: Presque Isle [Buker (95649)]; also Waterford; S of New York border on PA 426.

Galium palustre L. -- CAMBRIA: 3 mi S of Nicktown [Kline (95734)]. CENTRE: Scotia [Henry (95735)]. LAWRENCE: 4 mi E of New Castle [Boardman (95749)].

Galium pilosum Ait. -- CLEARFIELD: DuBois Woods to Saluvia [McClelland (95775)]. CLINTON: 6 mi N of Westport [Henry & Buker (96776)].

Galium tinctorium L. -- JUNIATA: Richfield-Denholm [Jennings (95861)]. WASHINGTON: Avella [Buker (95898)].

Galium trifidum L. -- WARREN: Akeley [Grisez 320].

Galium verum L. -- ALLEGHENY: Monroeville [Phelps (96086)]; also Pittsburgh. GREENE: Waynesburg [Dickey (96090)]. JEFFERSON: between Smith and Baxter [Buker (25946)].

Hedyotis caerulea (L.) Hook. -- CAMERON: 3 mi NW of Driftwood [Buker (96166)].

Mitchella repens L. -- WASHINGTON: Hanlin Station [Buker (96535)].

CAPRIFOLIACEAE

Diervilla lonicera P. Mill. -- GREENE: Waynesburg [Dickey (96591)].

**Linnaea borealis* L. var. *americana* (Forbes) Rehd. -- BRADFORD: between Towanda and Luthers Mills [Buker (96679)].

Lonicera canadensis Bartr. -- MERCER: Perrine Corners [Henry, et al. (96750)].

Lonicera dioica L. -- CAMBRIA: 5 mi NE of Patton [Kline (96771)]; also 5 mi NE of Nicktown. JEFFERSON: Roseville [Henry & Beer (96824)]; also 5 mi SE of Sigel.

Lonicera japonica Thunb. -- BEAVER: Raccoon Creek and US 30 [Jennings (96871)]; also Shippingport. ERIE: Presque Isle [Grisez 816].

Lonicera morrowii Gray -- CRAWFORD: Pymatuning State Park [Bissell 1985:46]. WARREN: Tidioute [Grisez 596].

**Lonicera oblongifolia* (Goldie) Hook. -- VENANGO: Utica [Henry (96908)].

Lonicera sempervirens L. -- CAMERON: 5 mi S of Emporium [Farnsworth (10530)].

Lonicera tatarica L. -- BEAVER: Independence Township [Henrici (96921)]. CRAWFORD: Linesville [Mossman (293846)]. HUNTINGDON: Colerain State Park [Buker (96927)]. JEFFERSON: Big Run [Henry (96928)]. LAWRENCE: Slippery Rock Creek [Buker (96939)]. SOMERSET: between Confluence and Harnedsville [Buker (96930)]. WASHINGTON: 2-3 mi N of Burgettstown [Henry & Buker (96932)].

Lonicera xylosteum L. -- LEHIGH: Allentown [Wolle (96856)].

Sambucus racemosa L. var. *pubens* (Michx.) Koehne [S. *pubens* Michx.] -- LAWRENCE: Slippery Rock Creek [Buker (97156)]; also Eastbrook; Ellwood City; New Castle.

Symphoricarpos albus (L.) Blake -- CAMBRIA: 3.2 mi NW of Glasgow [Buker (97187)]; also Nicktown. CLARION: US 322 and PA 66 [Buker (97188)]. ERIE: Union City [Buker (97189)]. FAYETTE: Ohiopyle [Buker (97206)]. VENANGO: Cooperstown [Buker (97211)].

Symphoricarpos orbiculatus Moench -- BEAVER: Enon Valley [Henry (97214)]. ERIE: Boggs Run [Guttenberg 972].

Triosteum aurantiacum Bickn. -- CLEARFIELD: Faunce [Henry (97245)]. JEFFERSON: Rathmel [Buker (97250)]. McKEAN: 7.2 mi N of Port Allegany [Buker (97254)]; also Coryville.

Triosteum perfoliatum L. -- CAMBRIA: 4 mi NE of Nicktown [Kline (97326)]. GREENE: Jefferson [Henry (97334)]. WASHINGTON: Washington [Fulton (97336)].

Viburnum lentago L. -- BEAVER: Sewickley Creek [Graham & Graham (97802)]. INDIANA: Marchand [Buker (97855)]. WASHINGTON: Chambers Dam [Mellor (97887)].

Viburnum opulus L. -- CRAWFORD: Harmonsburg [Mossman (293847)]. FULTON: Big Cove Tannery [Buker (97895)].

Viburnum rafinesquianum Schultes -- FOREST: Tionesta [Henry & Buker (98121)]. SOMERSET: Stoystown [Patterson (98126)].

Viburnum recognitum Fern. -- BEAVER: Shippingport [Ohlsson 3892].

Viburnum trilobum Marsh. -- BLAIR: Royes to Frankstown [Buker (98128)]. BUTLER: Zelienople [Lochner (98129)]. McKEAN: Eldred [Grisez 613]. POTTER: Coudersport [Jolley (265051)].

VALERIANACEAE

Valeriana officinalis L. -- JEFFERSON: Munderf [Henry & Buker (98275)].

Valerianella chenopodifolia (Pursh) DC. -- MERCER: Carlton [Henry (98196)]. MIFFLIN: Newton Hamilton [Henry (98198)].

Valerianella locusta (L.) Bectke [*V. olitoria* (L.) Pollard] -- WESTMORELAND: Ligonier [Utech 80-100].

DIPSACACEAE

Dipsacus fullonum L. [including *D. sylvestris* Huds.] -- CAMBRIA: between Spangles and Barnesboro [Kline (98337)]. MERCER: Drake [Henry (98352)]. UNION: Lewisburg [Manning (98353)].

Knautia arvensis (L.) Duby -- McKEAN: 5 mi N of PA 59 on PA 321 [Buker (98364)].

CUCURBITACEAE

Cucurbita pepo L. -- BEAVER: Freedom [Shafer (98443)]. WESTMORELAND: Rector [Graham (152536)].

Echinocystis lobata (Michx.) Torr. & Gray -- CRAWFORD: 2.5 mi SE of Conneaut Lake [Leberman (98402)].

Sicyos angulatus L. -- CAMERON: Sterling Run [Buker (98469)]; also Sinnemahoning. FULTON: Harrisonville [Buker (98476)]; also Dickey's Mountain.

CAMPANULACEAE

Lobelia cardinalis L. -- CLEARFIELD: between Madera and Glen Hope [Buker (98733)].

**Lobelia dortmanna* L. -- MONROE: Twelve-Mile Pond [Knipe (99028)].

Lobelia spicata Lam. -- CLINTON: 2-3 mi S of State Camp [Henry & Buker (99431)]. INDIANA: Creekside [Henry & Beer (99439)]. JEFFERSON: Timblin [Henry & Beer (99440)].

ASTERACEAE

Ambrosia trifida L. -- CAMBRIA: Emeigh [Kline (87712)].

Antennaria neglecta Greene -- ARMSTRONG: 3 mi S of Worthington [Henry (107131)]. CRAWFORD: Conneaut Township [Cusick 23365]. ELK: Ridgway [Rood 574]. LAWRENCE: New Castle [Robinson (107115)]. MERCER: West Salem Township [Cusick 23377]. WESTMORELAND: Ligonier [Utech 80-103].

Antennaria neodioica Greene -- CAMERON: 3 mi NW of Driftwood [Buker (107269)]; also 5 mi W of Emporium. LAWRENCE: Volant [Beer (284553)].

Antennaria parlinii Fern. [all infraspecific taxa except subsp. *fallax*] -- CRAWFORD: Saegertown [Buker (107333)]; also Meadville. FOREST: Allegheny River at US 62 [Buker (284544)]; also 2-3 mi SE of West Hickory. HUNTINGDON: 2.5 mi NW of Saltillo [Pearth (107303)]. MERCER: 4 mi SW of Mercer [Henry & Beer (107299)]. SCHUYLKILL: Brandonville [Wagner 3329]. UNION: 3 mi W of Lewisburg [Manning (107292)].

Antennaria parlinii Fern. subsp. *fallax* (Greene) Bayer & Stebbins [*A. fallax* Greene] -- FULTON: Sideling [Buker (107442)]. HUNTINGDON: Birmingham [Jennings (107440)]. JEFFERSON: 2.5 mi SW of Richardsville [Henry & Beer (107438)]. McKEAN: Derrick City [Buker (107432)]. POTTER: 4 mi N of Cameron County line on PA 155 [Buker (107424)]. SOMERSET: Stoystown [Patterson (107422)]. VENANGO: 4.3 mi SW of Pleasantville [Henry (107421)]. WARREN: Columbus [Buker (107420)]; also Irvine; Sulphur Spring. WASHINGTON: Washington [Wilson (107417)].

Antennaria plantaginifolia (L.) Richards -- CAMERON: Sterling Run [Henry & Buker (107322)]. ELK: Caledonia [Buker (107311)].

Anthemis cotula L. -- CAMBRIA: Patton [Kline (87886)]; also Nicktown. FULTON: Warfordsburg [Henry & Buker (87875)]; also Big Tonoloway Creek. GREENE: Enlow Fork of Wheeling Creek [Buker (87874)].

Arctium lappa L. -- ALLEGHENY: Pittsburgh [Boufford 21196]. CRAWFORD: Saegertown [Buker (87977)].

Arctium tomentosum P. Mill. -- CAMERON: Truman [Henry & Buker (88023)]. CLINTON: 3.3 mi W of Westport [Buker & Henry (88022)]. FULTON: Harrisonville [Buker (88021)].

Artemesia ludoviciana Nutt. -- ALLEGHENY: Pittsburgh [Buker (88081)].

Artemesia vulgaris L. -- CRAWFORD: Sugar Lake [Buker (88066)]. ELK: Croyland [Grisez 650]. ERIE: Presque Isle [Grisez 1030]. FOREST: 2.5 mi SW of West Hickory [Grisez 643]. SOMERSET: 2.25 mi NNE of Thomas Mills [Ross (9570)].

Aster acuminatus Michx. -- CLARION: Cook Forest [Jennings (88107)].

Aster cordifolius L. -- CLARION: Fisher [Henry & Buker (79907)]. CLEARFIELD: 7 mi S of Mahaffey [Henry (79902)]; also Penfield. CRAWFORD: Saegertown [Buker (79895)]; also 3 mi SE of Meadville. FOREST: 3.5 mi SE of Tionesta [Buker (79702)].

Aster cordifolius L. subsp. **sagittifolius** (Wedem. ex Willd.) A.G. Jones [*A. sagittifolius* Wedem. ex Willd.] -- CLINTON: Shintown [Roslund (79720)]. FAYETTE: Connellsville [Buker (79705)]; also Indian Head; Ohiopyle. SOMERSET: Keystone [Jennings (79672)]; also Reels Corners. WASHINGTON: Bavington [Buker (79652)]; also 3 mi S of Burnsville; 3.5 mi S of Claysville; Houston; Taylorstown.

Aster drummondii Lindl. [Species not listed in Wherry, et al. (1979)] -- WASHINGTON: 3.5 mi ENE of Florence [Rose (79794)].

***Aster dumosus** L. -- BUTLER: West Liberty [Jennings (88343)]. ERIE: Presque Isle [Jennings (88341)].

***Aster ericoides** L. -- CHESTER: no further locality [Dacker (309796)]. ERIE: Presque Isle [Grisez 1012].

Aster infirmus Michx. -- CAMERON: Cameron [Buker (88375)].

Aster laevis L. -- COLUMBIA: Berwick [Bright 11106].

Aster lateriflorus (L.) Britt. -- CAMERON: Emporium [Buker (88477)]. ELK: Medix Run [Buker (88463)]. POTTER: 3 mi S of Galeton [Buker (88539)].

Aster novae-angliae L. -- CAMBRIA: Johnstown [Patterson (87931)]. JEFFERSON: 3 mi SW of PA 949 and PA 968 [Henry & Buker (88857)]. McKEAN: Lafayette [Buker

(88853)]; also Kane; Sugar Run. MERCER: Salem [Buker (88900)]. VENANGO: 5 mi E of Rockland [Buker (88894)].

Aster oblongifolius Nutt. -- MIFFLIN: Juniata Crossing [Bright (88901)].

Aster patens Ait. -- CAMBRIA: Nicktown [Henry & Buker (88928)]. POTTER: Sizerville to Austin [Buker (88972)]; also 4 mi N of Cameron County line on PA 155; 5 mi N of Cross Fork. WASHINGTON: Murdocksville [Buker (88966)].

Aster pilosus Willd. -- CRAWFORD: 6 mi S of Meadville [Buker (89201)]; also Saegertown; Sugar Lake. WARREN: Pine Valley [Bright (89117)].

Aster praealtus Poir. [Species not listed in Wherry, et al. (1979), but listed for Bedford County in Henry (1978). This species is often confused with *A. simplex*.] -- ARMSTRONG: 6 mi S of New Bethlehem [Henry & Beer (89262)]. BEAVER: Ohioville [Henry (89263)]. CAMBRIA: 5 mi NE of Patton [Henry & Buker (89265)]; also 3 mi S of Nicktown. CAMERON: Sinnemahoning to Piper road [Buker (89268)]. CHESTER: Malvern [Henry (89269)]. CLEARFIELD: Mill Run [Buker (89270)]; also Penfield. ELK: Weedville [Buker (89272)]. FAYETTE: Layton [Henry & Buker (89273)]. HUNTINGDON: 4-5 mi SE of Tyrone [Henry & Buker (89274)]. JEFFERSON: Cloe [Henry (89275)]. NORTHAMPTON: Easton [Porter (89276)]. SOMERSET: 2-3 mi SE of Salisbury [Henry & Buker (89278)]; also Deal. WASHINGTON: 6 mi E of Florence [Buker (89281)]; also Buffalo Creek at PA 331.

Aster simplex Willd. -- CLINTON: 5 mi N of Renovo [Buker (90435)].

Aster umbellatus Mill. -- FULTON: Moline [Henry & Buker (99679)].

Aster undulatus L. -- FOREST: Clarrington [Buker (80232)]; also 5 mi S of Neiltown. INDIANA: McIntyre [Mason (80219)]. McKEAN: 3.2 mi W of Ceres [Buker (80216)]. SOMERSET: Addison [Cusick 27125].

Bellis perennis L. -- JEFFERSON: Clear Creek Recreation Park [Buker (9914)]. McKEAN: Bradford [Grisez 631].

Bidens aristosa (Michx.) Britt. var. **retrorsa** (Sherff.) Wunderlin [*B. polylepis* Blake] -- WASHINGTON: McDonald [Farnsworth (100073)].

Bidens bipinnata L. -- SNYDER: Northumberland [Manning (99810)].

Bidens tripartita L. [*B. comosa* (Gray) Wieg.] -- ERIE: North East [Henry & Buker (99948)]. LAWRENCE: Neshannock Falls [Henry & Beer (99958)]; also 2 mi SE of Leesburg.

Bidens connata Muhl. -- ARMSTRONG: Wattersonville [Henry (100126)].

Bidens frondosa L. -- CRAWFORD: Sugar Lake [Buker (100058)].

Cacalia atriplicifolia L. -- CAMBRIA: between Barnesboro and Hastings [Kline (100217)]. WASHINGTON: Florence [Baker (100251)].

Cacalia suaveolens L. -- ARMSTRONG: Parker [Baker (21279)].

Centaurea jacea L. -- VENANGO: Mariasville [Baker (100332)].

Centaurea maculosa Lam. -- CAMBRIA: Carrolltown [Kline (100348)]. FAYETTE: Melcroft [Utech 81-428]. JEFFERSON: Timblin [Henry & Beer (100359)].

Centaurea nigra L. -- CAMBRIA: Nicktown [Kline (100376)]. LAWRENCE: Princeton [Krouse (100378)]. TIOGA: Marshlands [Wible (100388)]. WARREN: Sulphur Springs [Jennings & Jennings (100389)].

Chondrilla juncea L. -- FAYETTE: Farmington [Cusick 27120].

Chrysanthemum balsamita L. -- SUSQUEHANNA: no further locality [Graves (100407)].

Chrysanthemum parthenium (L.) Bernh. -- ERIE: Presque Isle [Grisez 821].

Cichorium intybus L. -- CAMBRIA: Nicktown [Kline (100571)]. CAMERON: Emporium [Baker (100572)]. FOREST: 6 mi S of Tionesta [Baker (100530)]. JEFFERSON: between Ringgold and Grange [Baker (100537)].

Cirsium altissimum (L.) Spreng. -- WASHINGTON: 3 mi S of West Finley [Baker (100628)].

Cirsium arvense (L.) Scop. -- CLINTON: North Bend [Baker (100670)]. FULTON: Ft. Littleton [Baker (100685)].

**Cirsium horridulum* Michx. -- YORK: Dillsburg [Gress (100745)].

Cirsium pumilum (Nutt.) Spreng. -- MCKEAN: 3 mi NE of Clermons [Baker (100851)]. POTTER: between Cross Fork and Oleana [Baker (100857)]. WASHINGTON: Florence [Baker (100862)].

Coreopsis lanceolata L. -- ALLEGHENY: Pittsburgh [Farnsworth (10550)]. CLARION: Foxburgh [Baker (61227)].

Crepis capillaris (L.) Wallr. -- CLEARFIELD: central part of county [Deer (101038)]. CRAWFORD: Pymatuning [Baker (265772)]; also Meadville. MCKEAN: 3 mi NE of Clermont [Baker (101048)]. POTTER: Millport [Baker (101050)].

Crepis tectorum L. -- NORTHAMPTON: South Bethlehem [Bechdolt (302395)].

Eclipta prostrata (L.) L. [*E. alba* (L.) Hassk.] -- GREENE: 5 mi N of Point Marion [Baker (101066)].

Erigeron philadelphicus L. -- ARMSTRONG: Putneyville [Henry (101295)]; also Queenstown. CAMBRIA: 3.2 mi NW of Glasgow [Baker (101314)]; also Elton. CAMERON: Piper

[Baker (101316)]; also 6 mi W of Driftwood. FULTON: Burnt Cabin to Cowans Gap [Baker (101335)]. INDIANA: 3 mi NE of Smithport [Henry & Baker (101345)]; also Marion Center; 2.5 mi W of Northpoint. JEFFERSON: 2.5 mi S of Allens Mills [Henry & Beer (101347)]; also 2.5 mi SE of Richardsville. TIOGA: Gaines [Wible 545].

Erigeron pulchellus Michx. -- CAMERON: 3 mi NW of Driftwood [Baker (101424)]. ERIE: Waterford [Baker (101431)].

Erigeron strigosus Muhl. ex Willd. -- CRAWFORD: Cambridge Springs [Murray (101518)].

Eupatorium altissimum L. -- GREENE: 5 mi N of Point Marion [Baker (101601)]. LAWRENCE: Mahoning Township [Cusick 22975].

Eupatorium maculatum L. -- BEAVER: Bocktown [Henrici (101857)]. CHESTER: Milltown [Pennell 11942]. FAYETTE: 4 mi N of Masontown [Henry & Baker (101891)]. GREENE: 3-3.5 mi SW of Deep Valley [Henry & Beer (101893)].

Eupatorium purpureum L. -- CAMERON: 4 mi W of Driftwood [Baker (102153)]. CRAWFORD: 4 mi NE of Cochranon [Henry & Baker (102159)].

Eupatorium rugosum Houtt. -- CAMBRIA: Nicktown [Henry & Baker (102339)]; also St. Bonifacius.

Eupatorium sessilifolium L. -- CAMERON: Driftwood [Henry (102487)]. CLEARFIELD: Clearfield to Pottersdale [Jennings (102491)]. GREENE: Jefferson [Henry & Baker (102501)].

Galinsoga parviflora Cav. -- ALLEGHENY: Pittsburgh [Utech 79-368].

Galinsoga quadriradiata R. & P. [*G. ciliata* (Raf.) Blake] -- CAMBRIA: Ashville [Baker (102557)]. INDIANA: Marion Center [Baker (102578)].

Gnaphalium obtusifolium L. -- VENANGO: 3 mi N of Wesley [Baker (102700)]; also 5 mi SE of Oil City; Utica.

Gnaphalium purpureum L. -- CAMBRIA: 4.5 mi NE of Patton [Kline (102775)].

Gnaphalium viscosum H.B.K. [*G. macounii* Greene] -- CLARION: 4 mi SE of Fisher [Henry (102834)]. LEHIGH: Wagners Landing [Haritzel (102843)].

Helenium flexuosum Raf. -- ELK: 4 mi S of Kane [Grisez 686]. WARREN: 6 mi S of Warren [Grisez 601]. WASHINGTON: Bavington [Baker (102997)].

Helianthus annuus L. -- BEAVER: Shippingport [Ohlsson 3517].

Helianthus decapetalus L. -- CRAWFORD: Little Cooley [Leberman (269101)].

Helianthus divaricatus L. -- LAWRENCE: McConnells Mill [Homer (103207)]. MERCER: North Liberty [Henry (103209)].

Helianthus grosseserratus Martens -- BEAVER: Pattons Point [Buker (103307)].

Helianthus hirsutus Raf. -- FULTON: Dogtown [Cusick 26963].

Helianthus strumosus L. -- CRAWFORD: Saegertown [Buker (103466)]. FULTON: PA 915 and I-76 [Buker (103486)]. POTTER: Wharton [Buker (103502)]. TIOGA: Blossburg [Bright (103509)].

Helianthus tuberosus L. -- CAMERON: Emporium [Buker (103563)].

Heliopsis helianthoides (L.) Sweet -- ERIE: Elgin [Buker (103686)]. McKEAN: Kinzua Lake [Buker (103721)].

Hieracium aurantiacum L. -- FULTON: Buck Valley [Buker (103793)]. WASHINGTON: 5 mi N of Hanlin Station [Buker (103840)]; also Murdocksville.

Hieracium gronovii L. -- BEAVER: Kendall [Cusick 24935].

Hieracium pilosella L. -- CRAWFORD: Guys Mills [Leberman (296743)]. ERIE: between Corry and Union City [Buker (265753)]; also Presque Isle. WARREN: Lander [Grisez 510].

Hieracium piloselloides Vill. [*H. florentinum* All.] -- McKEAN: Kane [Patterson (103864)]. TIOGA: Marshlands [Wible 541]. WASHINGTON: Murdocksville [Buker (103866)].

Hypochoeris radicata L. -- CRAWFORD: Pymatuning [Buker (104471)]. LAWRENCE: Plain Grove [Buker (104478)]. SOMERSET: Berlin [Buker (104484)].

Inula helenium L. -- WASHINGTON: Murdocksville [Mason (104522)].

Krigia biflora (Walt.) Blake -- CLARION: Shippenville [Buker (104561)]. FULTON: Harrisonville [Henry & Buker (104572)].

Lactuca floridana (L.) Gaertn. -- CRAWFORD: Saegertown [Buker (104838)].

Lactuca hirsuta Muhl. -- CLINTON: Keating [Buker (104950)].

Lactuca saligna L. -- BUTLER: Old Stone House [Pearth (104960)]. CRAWFORD: Saegertown [Buker (104961)]. VENANGO: Sugar Creek at US 322 [Buker (104969)].

Lactuca scariola L. -- McKEAN: Eldred [Grisez 617].

Lapsana communis L. -- POTTER: Cross Fork [Boufford & Wood 21152]. TIOGA: Marshlands [Wible 613]. WARREN: Buckaloons Recreation Area [Grisez 499].

Liatris spicata (L.) Willd. -- WASHINGTON: Bavington [Buker & Clark (105100)].

Matricaria chamomilla L. -- ERIE: Mercyhurst Woods [Hepner (111393)].

Matricaria matricarioides (Less.) Porter -- CLINTON: Tamarack [Buker (252651)]. ELK: Wilcox [Buker (105138)]. WESTMORELAND: New Kensington [Farnsworth (10266)]; also 6.5 mi SE of Rector.

Polymnia canadensis L. -- CAMBRIA: Cresson Springs [Koch (105193)].

Prenanthes alba L. -- ELK: Portland Mills [Henry (105248)]. MERCER: Mercer to Millburn [Jennings (105259)]. SOMERSET: Roxbury [Buker (105261)]; also 2.25 mi NNE of Thomas Mills. VENANGO: 5 mi SE of Oil City [Henry (105262)]. WARREN: Rimrock [Buker (105263)]; also Warren. WASHINGTON: West Finley [Dickey (105264)].

Prenanthes altissima L. -- CRAWFORD: Cochranon [Buker (105324)]; also Frenchtown; 3 mi SE of Meadville. TIOGA: Wellsboro [Farnsworth (9810)].

Prenanthes trifoliolata (Cass.) Fern. -- WASHINGTON: Murdocksville [Buker (105465)].

***Ratibida pinnata** (Vent.) Barnh. -- WASHINGTON: Pleasant Grove [Buker (105482)].

Rudbeckia triloba L. -- BEAVER: Shippingport [Ohlsson & Crandell 3535]. McKEAN: PA 446 at PA 346 [Grisez 610].

Senecio obovatus Muhl. -- ERIE: Elk Creek at PA 98 [Buker (106085)]; also Erie. FOREST: Cook Forest [Jennings (106091)]. SOMERSET: Ursina [Henry (106113)]; also Glencoe.

Senecio pauperculus Michx. -- HUNTINGDON: Birmingham [Wolle (91049)].

Senecio viscosus L. -- CAMERON: Truman [Henry & Buker (106150)]. CLEARFIELD: 2 mi SE of Viola [Buker (106151)]. CLINTON: 10 mi S of Renovo [Buker (106153)]. POTTER: 4 mi N of Cameron County line on PA 155 [Buker (106155)]; also Sizerville. WARREN: Warren [Grisez 689].

Senecio vulgaris L. -- MERCER: Sharon [Cusick 23646]. POTTER: E of McKean County line on PA 155 [Buker (106172)]. WARREN: Warren [Buker (106175)]. WASHINGTON: Charleroi [Cusick 27116].

Sericocarpus asteroides (L.) B.S.P. -- CAMBRIA: St. Lawrence [Jennings (106216)]. CRAWFORD: Cambridge Springs [Murray (106228)]; also Conneaut Lake. FAYETTE: Ohiopyle [Bright (106232)]; also Dawson; Fairchance. FULTON: Big Tonoloway Creek [Buker (106236)]; also Harrisonville. LAWRENCE: McConnells Mill [Bright (106247)]. LYCOMING: Williamsport to Allenwood [Jennings (106248)]; also Vilas. SOMERSET: Thomas Mills [Ross (106264)]. VENANGO: 3 mi NE of Kennerdell [Buker & Brown (254174)]. WARREN: North Warren [Moldenke 15795]. WASHINGTON: 6 mi E of Florence [Buker (106267)].

Silphium perfoliatum L. -- FAYETTE: 4 mi W of Ohiopyle [Jennings (106289)].

Silphium trifoliatum L. -- FOREST: Tionesta [Leberman (106335)]. FULTON: Harrisonville [Baker (106338)]; also Barnes Gap; Warfordsburg. INDIANA: Kent [Jennings (106344)]; also Black Lick; Mt. Union.

Solidago arguta Ait. -- FOREST: Allegheny National Forest [Baker (106388)]; also 2.1 mi S of Warren County line on US 62. FRANKLIN: Mont Alto [Bright 10643]. FULTON: Sideling Hill [Henry & Baker (106391)]; also 3 mi N of Warfordsburg. VENANGO: 5 mi SE of Oil City [Henry (106419)]. WASHINGTON: Charleroi [Jennings (106425)]. WESTMORELAND: 6.5 mi SE of Rector [Utech 81-413].

Solidago bicolor L. -- CAMERON: 8 mi NW of Emporium [Henry & Roslund (106485)]; also Driftwood. CRAWFORD: Saegertown [Baker (106506)].

Solidago canadensis L. [including all varieties except var. *scabra*] -- ARMSTRONG: Mahoning [Henry & Baker (89942)]; also 6 mi S of New Bethlehem. CRAWFORD: Geneva [Jennings & Boardman (89991)]; also 3 mi NW of Blooming Valley; Conneaut Lake. WAYNE: White Oak Pond [Jennings, et al. (90059)]; also Honesdale.

Solidago canadensis L. var. *scabra* (Muhl.) Torr. & Gray [*S. altissima* L.] -- CAMBRIA: 5 mi NE of Patton [Henry & Baker (90138)]. INDIANA: Shelocta [Henry & Beer (90179)]; also Clarksburg; 7 mi NE of Saltsburg. LAWRENCE: 5 mi NW of Harlansburg [Henry & Beer (90189)]; also 10 mi SE of Mercer; 4 mi E of New Castle.

***Solidago curtisii** (Torr.) Gray [Species not listed in Wherry, et al. (1979). The previous record for Pennsylvania (Henry, 1978) was based on a misidentified specimen from Bedford County. This species is officially listed by the state as extirpated in Pennsylvania; the specimens listed here were collected in 1984.] -- GREENE: 1.9 km ESE of Majorsville, West Virginia [Thompson & Nishida 2010]; also 3.6 km SSW of West Finley. WASHINGTON: 3.7 km ESE of Majorsville, West Virginia [Thompson & Nishida 2095].

***Solidago erecta** Pursh -- PERRY: Newport [Gress (92086)].

Solidago flexicaulis L. -- ARMSTRONG: Mahoning [Henry & Baker (90250)]; also 6 mi S of New Bethlehem; Kittanning; West Winfield. CLARION: mouth of Clarion River [Jennings (90269)]. CRAWFORD: Sugar Lake [Baker (90272)]; also Frenchtown. FOREST: Allegheny National Forest [Baker (90284)]. INDIANA: 3 mi NE of Saltsburg [Jennings (90291)]. JEFFERSON: Big Run [Henry & Beer (90292)].

Solidago gigantea Ait. -- CAMBRIA: Johnstown [Jennings (90587)]. CAMERON: 4 mi W of Driftwood [Baker (90588)]; also Mix Run. INDIANA: Luciusboro [Henry (90541)]; also 4 mi S of Indiana; 3 mi NE of Saltsburg.

Solidago juncea Ait. -- CAMBRIA: Elmora [Jennings (90953)]; also Patton; St. Lawrence. CRAWFORD: Sugar Lake [Henry & Beer (90980)]; also Centerville; 4 mi E of Geneva. ERIE: Erie [Henlen (90988)]; also North East; Waterford.

Solidago nemoralis Ait. -- CAMBRIA: Nicktown [Henry & Baker (91217)]; also Cresson; Patton; St. Lawrence.

Solidago patula Muhl. -- FAYETTE: Connellsville [Baker (91443)]; also Indian Creek. JEFFERSON: 5 mi SW of Sigel [Henry (91452)]; also Big Run; Timblin. POTTER: 5 mi N of Cross Fork [Baker (91469)]. YORK: Frogtown [Gress (91489)].

Solidago puberula Nutt. -- FRANKLIN: Richmond Furnace [Cusick 27087]. FULTON: Sidling Hill [Henry & Baker (91496)].

***Solidago purshii** Porter -- MERCER: Mercer [Baker (91984)]; also Grove City. SOMERSET: Buckstown [Jennings (91987)]; also Stoney Creek.

Solidago rugosa Ait. -- WASHINGTON: Aunt Clara Fork of King Creek [Baker (91753)]; also 6 mi E of Florence.

Solidago speciosa Nutt. -- FAYETTE: Ohiopyle [Bright (90224)]. FRANKLIN: PA 456 and Ward Road [Cusick 27094].

Solidago squarrosa Muhl. -- ELK: Medix Run [Jennings (91936)]. FAYETTE: Ohiopyle [Jennings (91938)]. FOREST: 3 mi N of Tionesta [Krouse (91939)]. GREENE: 3.5 mi SW of Deep Valley [Henry & Baker (91942)]. JEFFERSON: Big Run [Jennings (91945)]. SOMERSET: Fairhope [Boardman (91957)]. VENANGO: Oil City [Patterson (91959)].

Solidago ulmifolia Muhl. -- BEAVER: Pattons Point [Bright (92012)]; also Ambridge; 3 mi W of Beaver Falls. CLARION: Shippensburg [Henry & Baker (92037)]. ELK: Medix Run [Jennings (92039)]. ERIE: Elk Creek [Henry & Baker (92040)]. INDIANA: 2.5 mi N of Armagh [Henry & Beer (92053)]; also Saltsburg. MERCER: 4 mi NE of Clarksville [Henry & Baker (92057)]; also Schollard. TIOGA: Gaines [Jennings (92065)].

Sonchus arvensis L. [including *S. uliginosus* Bieb.] -- ARMSTRONG: Lawsonham [Henry & Baker (92106)]; also Mosgrove. BEAVER: Shippingport [Henrici (92107)]. CLEARFIELD: Phillipsburg [Baker (92115)]. CLINTON: Hyner [Baker (92179)]. LAWRENCE: New Castle [Robinson (92117)]. WASHINGTON: Florence Henry & Beer (92181)].

Sonchus asper (L.) Hill -- BEAVER: Shippingport [Krouse (92129)]. CAMERON: Emporium [Jennings (92136)]. ERIE: Presque Isle [Baker (92137)]. GREENE: Ryerson Station [Baker (92141)]. WARREN: Warren [Moldenke 14841].

Sonchus oleraceus L. -- ERIE: Presque Isle [Henlen (92164)]. POTTER: Coudersport [Barrie 16697]. SOMERSET: Stoystown [Patterson (92170)]; also Shanksville. WARREN: North Warren [Moldenke 15647]. WASHINGTON: Buffalo Creek [Henry & Beer (92172)].

Tanacetum vulgare L. -- ALLEGHENY: Edgewood [Mellor (92191)]; also Pittsburgh. ARMSTRONG: no further locality [Knipe (92192)]. BEAVER: Dutchmans Run [Shafer (92196)]. CAMBRIA: Nicktown [Kline (92200)]. CRAWFORD: Conneaut Lake [Shafer (92201)]. ELK: Hallton [Henry (92203)]; also Kane. FOREST: Marienville [Grisez 604]. LAWRENCE: Hazel Dell [Aiker (92207)]; also Slippery Rock

Creek. MERCER: Mercer [Henlen (92209)]. POTTER: Austin [Buker (92214)]; also Coudersport. WARREN: North Warren [Moldenke 16664].

Taraxacum laevigatum (Willd.) DC. [*T. erythrospermum* Andr.] -- BEAVER: Bockstown [Graham (92226)]. WESTMORELAND: Bolivar [Jennings (92242)]; also Mt. Pleasant.

Taraxacum officinale Weber -- FAYETTE: Wymps Gap [Henry & Buker (92281)].

Tragopogon dubius Scop. subsp. *major* (Jacq.) Voll. [*T. major* Jacq.] -- ALLEGHENY: Emsworth [Buker (285427)]; also Pittsburgh. CAMERON: Sterling [Henry & Buker (92268)]; also Emporium. ERIE: Presque Isle [Grisez 778]. McKEAN: Mt. Jewett [Buker (92318)]. POTTER: junction of PA 44 and PA 144 [Boufford & Wood 21155]. SOMERSET: Meyersdale [Thompson, et al. 2459]. WESTMORELAND: Powdermill Nature Reserve [Leberman & Mulvihill (287297)].

Tragopogon porrifolius L. -- CRAWFORD: Hartstown [Buker (92322)]. CUMBERLAND: Blue Mountain [Farnsworth (92323)]. MERCER: Drake [Henry (92324)]. SOMERSET: Somerset [Patterson (92326)].

Tragopogon pratensis L. -- CAMBRIA: Nicktown [Kline (92333)]. CRAWFORD: Hartstown [Buker (92336)]; also Rockdale Center. ERIE: Erie [Sullivan (92337)]. POTTER:

Coudersport [Barrie 16396]; also Brookland. SOMERSET: Ursina [Buker (92344)]. WARREN: Columbus [Henry & Buker (92347)]; also North Warren; Sulphur Springs.

Tussilago farfara L. -- CRAWFORD: Linesville [Matheson (92403)]. GREENE: SE of PA 21 on road to Bristoria [Thompson & Loughlin 601]; also Ryerson Station. MERCER: Drake [Henry (92436)]; also Swamp Root.

Verbesina alternifolia (L.) Britt. -- ELK: Croyland [Grisez 651]. FOREST: Truemans [Grisez 586].

Vernonia gigantea (Walt.) Trel. -- CAMBRIA: Cresson [Henry & Buker (92562)]. ELK: Medix Run [Jennings & McClelland (92568)]. FAYETTE: Brier Hill [Cusick 26912]. INDIANA: Heilwood [Henry & Beer (158066)]; also Dilltown; 3 mi NE of Saltsburg.

Vernonia noveboracensis (L.) Michx. -- BEAVER: Fombell [Jennings (92601)]. MERCER: Centertown [Henry (92647)]. SOMERSET: 2-3 mi SE of Salisbury [Henry & Buker (92656)]; also 4 mi SW of Somerset; Trent.

Xanthium strumarium L. var. *canadense* (P. Mill.) Torr. & Gray [including *X. italicum* Moretti and *X. pensylvanicum* Wallr.] -- CAMBRIA: Nicktown [Kline (92687)].

Xanthium strumarium L. var. *glabratum* (DC.) Cronq. [*X. chinense* P. Mill.] -- INDIANA: Conemaugh Reservoir [Henry (92727)].

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