

**THE VASCULAR PLANTS COLLECTED BY MARK CATESBY  
IN SOUTH CAROLINA:  
COMBINING THE SLOANE AND OXFORD HERBARIA**

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**ABSTRACT**

We provide a list of all vascular plant specimens collected in the Carolinas by Mark Catesby that are housed in the historic herbaria at Oxford University and the Sloane Herbarium. The identifications along with notes on the significance of selected specimens are presented. This paper continues our work with Catesby's collections that we began with his specimens in the Sloane Herbarium at the Natural History Museum, London. The availability of high-quality digital images published on the Oxford Herbarium's website has facilitated our examination of these specimens. The collections themselves shed light on the nature of the flora of the Carolinas before European settlement, including the native ranges of several problematic taxa. The presence of a number of taxa known to be introduced to the Americas indicates that these introductions must have occurred prior to the 1720s.

**KEY WORDS:** Catesby, Sloane Herbarium, herbarium, historic botany, ecology, South Carolina, digital imaging

Mark Catesby, born in England in 1682 or 1683, devoted most of his adult life to studying the natural history of southeastern North America and the Caribbean. He lived in South Carolina from 1722 to 1725, followed by several months in the Bahamas before he returned home to England. He spent those years traveling in the wilderness, collecting plant specimens, taking copious notes and making sketches. This material became the basis of the publication that made his scholarly reputation, the *Natural History of Carolina, Florida, and the Bahama Islands*, published between 1729 and 1747.

Catesby sent his dried plant specimens to his sponsors in England, including Sir Hans Sloane, William Sherard, and Charles Dubois. Sloane's specimens became part of the original collections of the Natural History Museum in London and are today housed in the Sloane Herbarium, in volumes H.S. 212 and H.S. 232. Sherard's specimens are now in the Sherard and Dubois Herbaria at the University of Oxford.

In November 2011, McMillan and Hackney Blackwell traveled to London to digitally photograph Catesby's Sloane materials. We have published these online as part of our *Botanica Caroliniana* project and published a list of determinations of these specimens along with notes on their ecological, taxonomic, and historical significance (McMillan et al 2013).

Adding the Oxford collection to the Sloane materials was the logical next step. The Sloane and Oxford materials comprise the full set of Catesby's primary source vascular plant materials from the Carolinas, or nearly so. (James Reveal has mentioned the existence of a box of Catesby specimens on top of a shelf in the Sloane Herbarium; it is entirely possible that other dried plants exist in unknown locations.) Stephen Harris, curator of the Oxford herbaria, has digitally photographed the entire Catesby collection housed at Oxford and published them online.<sup>1</sup> McMillan and Hackney Blackwell have examined all of these images and made determinations of almost all of them.

As with our Sloane project, the availability of digital images made it quick and easy for us to examine the specimens at our leisure in South Carolina. The Oxford specimens are well-preserved and not fragmentary. A number of taxa appear in the Oxford materials that were not in the Sloane collections. Combining the lists from the Sloane and Oxford creates a full set of Catesby's work and facilitates even more insights into the ecology of South Carolina before extensive European settlement.

## METHODOLOGY

### Identification

To identify the specimens, McMillan and Hackney Blackwell first did a search on the Oxford BRAHMS database for all Carolina specimens collected by Mark Catesby ("The Collections of Mark Catesby in Oxford," 2013). As we did with the Sloane collections, we set up two laptops side by side, on which we accessed multiple pieces of information: the digital images of Catesby's collections; the PDF of Weakley's *Flora of the Carolinas* (2012); an online version of Catesby's *Natural History*; other websites such as USDA's Plants Database; and a database program (*Bento* from Filemaker) in which we collected and organized our data.

The excellent condition of the specimens facilitated the process of identification. Unlike the Sloane specimens, which are bound in books, the Oxford collections are preserved on individual flat sheets of paper. This allowed for considerably flatter images with less distortion than was unavoidable with the Sloane materials. In addition, the Sloane herbaria pages typically contain multiple specimens of different species. The Oxford materials, on the other hand, for the most part contain one specimen per page. This made identifying individual specimens by folio much more straightforward; each specimen is associated with either a unique accession number or a barcode number.

Like the Sloane materials, the Oxford specimens contain handwritten texts in addition to plant specimens. We did not take the time to transcribe these notes, many of which are written by hand in Latin. The notes have been photographed individually and are published on the Oxford website along with the plant images.

### Results

In the Oxford collections, we made determinations to the species level for 744 specimens known or suspected to have been collected in Carolina. All determinations were made by Patrick D. McMillan in collaboration with Hackney Blackwell.

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We are extremely grateful to Stephen Harris for his help with our work on the Sloane specimens and for his hospitality during Hackney Blackwell's visit to Oxford in May 2012, as well as for his valuable work in photographing and posting online the full Catesby collections from Oxford.

In this table, we have combined the Oxford specimens with the determinations we already made and published in *Phytoneuron* for the specimens from the Sloane Herbarium. We did this in the interest of publishing in one place a more complete set of Catesby's collections from the Carolinas.

All Oxford specimens are identified by either a barcode number (a string of digits beginning with 000) or a Sherard Herbarium identifying number (beginning with "Sher-"). These were the most obvious unique identifiers available on the online database. The Sloane specimens are identified by volume, either H.S. 212 or H.S. 232, and folio page. Images of the Sloane specimens are available on the Botanica Caroliniana website (Botanica Caroliniana, 2013).

### Basal Angiosperms

|                  |  |                |
|------------------|--|----------------|
| Aristolochiaceae | <i>Asarum canadense</i> L.                   | 00087430M      |
| Aristolochiaceae | <i>Asarum canadense</i> L.                   | H.S. 212 f.58b |
| Aristolochiaceae | <i>Endodeca serpentaria</i> (L.) Raf.        | Sher-2041      |
| Aristolochiaceae | <i>Endodeca serpentaria</i> (L.) Raf.        | H.S. 232 f.122 |
| Calycanthaceae   | <i>Calycanthus floridus</i> L.               | H.S. 212 f.16  |
| Lauraceae        | <i>Litsea aestivalis</i> (L.) Fernald        | H.S. 232 f.35  |
| Lauraceae        | <i>Persea borbonia</i> (L.) Sprengel         | Sher-0821      |
| Lauraceae        | <i>Persea borbonia</i> (L.) Sprengel         | 00095706R      |
| Lauraceae        | <i>Persea borbonia</i> (L.) Sprengel         | H.S. 232 f.50  |
| Lauraceae        | <i>Persea palustris</i> (Raf.) Sargent       | Sher-0821-2    |
| Lauraceae        | <i>Persea palustris</i> (Rafinesque) Sargent | H.S. 212 f.1   |
| Magnoliaceae     | <i>Liriodendron tulipifera</i> L.            | 00087309R      |
| Magnoliaceae     | <i>Liriodendron tulipifera</i> L.            | H.S. 212 f.80  |
| Magnoliaceae     | <i>Magnolia acuminata</i> (L.) L.            | 00087184S      |
| Magnoliaceae     | <i>Magnolia grandiflora</i> L.               | Sher-1116      |
| Magnoliaceae     | <i>Magnolia grandiflora</i> L.               | 00087190P      |
| Nymphaeaceae     | <i>Nymphaea odorata</i> Aiton                | H.S. 212 f.23  |
| Nymphaeaceae     | <i>Nymphaea odorata</i> Aiton                | Sher-1089      |
| Nymphaeaceae     | <i>Nymphaea odorata</i> Aiton                | 00087301J      |
| Nymphaeaceae     | <i>Nymphaea odorata</i> Aiton                | 00087305N      |
| Nymphaeaceae     | <i>Nymphaea odorata</i> Aiton                | 00087306O      |
| Nymphaeaceae     | <i>Nymphaea odorata</i> Aiton                | Sher-1089-2    |
| Nymphaeaceae     | <i>Nymphaea odorata</i> Aiton                | H.S. 232 f.84  |
| Saururaceae      | <i>Saururus cernuus</i> L.                   | H.S. 232 f.82  |

### Monocots

|                |  |               |
|----------------|--|---------------|
| Amaryllidaceae | <i>Allium cuthbertii</i> Small                                   | Sher-0704     |
| Amaryllidaceae | <i>Allium cuthbertii</i> Small                                   | H.S. 212 f.36 |
| Amaryllidaceae | <i>Narcissus</i> sp.   | H.S. 232 f.61 |
| Anacardiaceae  | <i>Rhus copallinum</i> L.  | 00087446T     |
| Arecaceae      | <i>Sabal palmetto</i> (Walter) Loddiges ex J.A. & J.H. Schultes  | Sher-1501     |
| Arecaceae      | <i>Sabal palmetto</i> (Walter) Loddiges ex J.A. & J.H. Schultes, | Sher-1501-2   |
| Cannaceae      | <i>Canna flaccida</i> Salisbury                                  | 00095775X     |
| Commelinaceae  | <i>Commelina erecta</i> L.                                       | H.S. 212 f.57 |
| Commelinaceae  | <i>Commelina erecta</i> L.                                       | H.S. 212 f.6  |
| Commelinaceae  | <i>Commelina virginica</i> L.                                    | 00087192R     |

|               |   |                |
|---------------|---|----------------|
| Commelinaceae | <i>Cuthbertia rosea</i> (Ventenat) Small                    | Sher-0694      |
| Cyperaceae    | <i>Carex</i> sp.  | H.S. 232 f.61  |
| Cyperaceae    | <i>Carex glaucescens</i> Elliott                            | 00087555U      |
| Cyperaceae    | <i>Carex glaucescens</i> Elliott                            | 00087571S      |
| Cyperaceae    | <i>Carex glaucescens</i> Elliott                            | H.S. 212 f.44  |
| Cyperaceae    | <i>Carex glaucescens</i> Elliott                            | H.S. 232 f.139 |
| Cyperaceae    | <i>Carex glaucescens</i> Elliott                            | H.S. 232 f.139 |
| Cyperaceae    | <i>Carex longii</i> Mackenzie                               | 00087500K      |
| Cyperaceae    | <i>Cyperus echinatus</i> (L.) Wood                          | 00087567X      |
| Cyperaceae    | <i>Cyperus echinatus</i> (L.) Wood                          | Sher-0090      |
| Cyperaceae    | <i>Cyperus echinatus</i> (L.) Wood                          | H.S. 212 f.86  |
| Cyperaceae    | <i>Cyperus echinatus</i> (L.) Wood                          | H.S. 232 f.30  |
| Cyperaceae    | <i>Cyperus echinatus</i> (L.) Wood                          | Sher-0083      |
| Cyperaceae    | <i>Cyperus erythrorhizos</i> Muhlenberg                     | 00087581T      |
| Cyperaceae    | <i>Cyperus erythrorhizos</i> Muhlenberg                     | Sher-0080      |
| Cyperaceae    | <i>Cyperus polystachyos</i> Rottboll                        | Sher-0084      |
| Cyperaceae    | <i>Cyperus</i> sp.  | Sher-0086      |
| Cyperaceae    | <i>Cyperus virens</i> Michx.                                | H.S. 232 f.137 |
| Cyperaceae    | <i>Cyrilla racemiflora</i> L.                               | 00095682U      |
| Cyperaceae    | <i>Dulichium arundinaceum</i> (L.) Britton                  | 00087578Z      |
| Cyperaceae    | <i>Dulichium arundinaceum</i> (L.) Britton                  | Sher-0069-1    |
| Cyperaceae    | <i>Eleocharis</i> sp.                                       | H.S. 232 f.61  |
| Cyperaceae    | <i>Fuirena breviseta</i> (Coville) Coville                  | H.S. 212 f.44  |
| Cyperaceae    | <i>Fuirena breviseta</i> (Coville) Coville                  | 00087574V      |
| Cyperaceae    | <i>Fuirena squarrosa</i> Michx.                             | H.S. 232 f.139 |
| Cyperaceae    | <i>Fuirena squarrosa</i> Michx.                             | 00087573U      |
| Cyperaceae    | <i>Fuirena squarrosa</i> Michx.                             | Sher-1694      |
| Cyperaceae    | <i>Rhynchospora caduca</i> Elliott                          | Sher-0099      |
| Cyperaceae    | <i>Rhynchospora caduca</i> Elliott                          | 00087488Z      |
| Cyperaceae    | <i>Rhynchospora colorata</i> (L.) H. Pfeiffer               | H.S. 212 f.45  |
| Cyperaceae    | <i>Rhynchospora colorata</i> (L.) H. Pfeiffer               | 00087583V      |
| Cyperaceae    | <i>Rhynchospora colorata</i> (L.) H. Pfeiffer               | Sher-0074      |
| Cyperaceae    | <i>Rhynchospora distans</i> (Michx.) Vahl.                  | Sher-0071      |
| Cyperaceae    | <i>Rhynchospora fascicularis</i> (Michx.) Vahl              | H.S. 232 f.139 |
| Cyperaceae    | <i>Rhynchospora glomerata</i> (L.) Vahl                     | 00087492U      |
| Cyperaceae    | <i>Rhynchospora glomerata</i> (L.) Vahl                     | 00087559Y      |
| Cyperaceae    | <i>Rhynchospora glomerata</i> (L.) Vahl                     | H.S. 212 f.43  |
| Cyperaceae    | <i>Rhynchospora inundata</i> (Oakes) Fernald                | 00087582U      |
| Cyperaceae    | <i>Rhynchospora microcephala</i> (Britton) Britton ex Small | Sher-0072      |
| Cyperaceae    | <i>Rhynchospora microcephala</i> (Britton) Britton ex Small | 00087575W      |
| Cyperaceae    | <i>Rhynchospora microcephala</i> (Britton) Britton ex Small | 00087577Y      |
| Cyperaceae    | <i>Scirpus cyperinus</i> (L.) Kunth                         | H.S. 212 f.87  |
| Dioscoreaceae | <i>Dioscorea villosa</i> L.                                 | Sher-1374-2    |
| Dioscoreaceae | <i>Dioscorea villosa</i> L.                                 | 00087220J      |
| Dioscoreaceae | <i>Dioscorea villosa</i> L.                                 | 00087224N      |
| Dioscoreaceae | <i>Dioscorea villosa</i> L.                                 | H.S. 212 f.17  |
| Eriocaulaceae | <i>Eriocaulon decangulare</i> L.                            | Sher-0196      |
| Eriocaulaceae | <i>Eriocaulon decangulare</i> L.                            | 00087204L      |

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|---------------|---|----------------|
| Eriocaulaceae | <i>Eriocaulon decangulare</i> L.  | 00087579-      |
| Eriocaulaceae | <i>Eriocaulon decangulare</i> L.  | H.S. 212 f.41  |
| Eriocaulaceae | <i>Eriocaulon decangulare</i> L.  | H.S. 212 f.42  |
| Eriocaulaceae | <i>Eriocaulon decangulare</i> L.  | H.S. 232 f.133 |
| Haemodoraceae | <i>Lachnanthes caroliniana</i> (Lam.) Dandy                             | Sher-sn-i      |
| Haemodoraceae | <i>Lachnanthes caroliniana</i> (Lam.) Dandy                             | H.S. 232 f.110 |
| Heloniadaceae | <i>Chamaelirium luteum</i> (L.) A. Gray                                 | Sher-0763      |
| Juncaceae     | <i>Juncus biflorus</i> Elliott  | 00087462R      |
| Juncaceae     | <i>Juncus biflorus</i> Elliott  | Sher-0078      |
| Juncaceae     | <i>Juncus scirpoides</i> Lam.   | 00087466V      |
| Juncaceae     | <i>Juncus scirpoides</i> Lam.   | 00087569Z      |
| Juncaceae     | <i>Juncus scirpoides</i> Lam.   | H.S. 212 f.43  |
| Liliaceae     | <i>Lilium catesbaei</i> Walter  | Sher-0708      |
| Liliaceae     | <i>Lilium catesbaei</i> Walter  | H.S. 232 f.68  |
| Liliaceae     | <i>Medeola virginiana</i> L.  | Sher-0759      |
| Liliaceae     | <i>Medeola virginiana</i> L.  | H.S. 232 f.48  |
| Melanthiaceae | <i>Amianthium muscivomum</i> (Walter) A. Gray                           | 00087495X      |
| Melanthiaceae | <i>Amianthium muscivomum</i> (Walter) A. Gray                           | Sher-0760      |
| Melanthiaceae | <i>Amianthium muscivomum</i> (Walter) A. Gray                           | H.S. 212 f.29  |
| Melanthiaceae | <i>Amianthium muscivomum</i> (Walter) A. Gray                           | H.S. 212 f.63  |
| Melanthiaceae | <i>Melanthium hybridum</i> = <i>Veratrum</i> species 1 sensu<br>Weakley | 00087451P      |
| Melanthiaceae | <i>Melanthium hybridum</i> = <i>Veratrum</i> species 1 sensu<br>Weakley | 00087482T      |
| Melanthiaceae | <i>Melanthium hybridum</i> = <i>Veratrum</i> species 1 sensu<br>Weakley | H.S. 212 f.36  |
| Melanthiaceae | <i>Melanthium hybridum</i> = <i>Veratrum</i> species 1 sensu<br>Weakley | H.S. 232 f.127 |
| Melanthiaceae | <i>Melanthium virginicum</i> = <i>Veratrum virginicum</i><br>(L.) Aiton | 00087502M      |
| Melanthiaceae | <i>Melanthium virginicum</i> = <i>Veratrum virginicum</i><br>(L.) Aiton | 00087510L      |
| Nartheciaceae | <i>Aletris aurea</i> Walter   | 00087494W      |
| Nartheciaceae | <i>Aletris aurea</i> Walter   | H.S. 232 f.105 |
| Orchidaceae   | <i>Calopogon tuberosus</i> (L.) BSP                                     | Sher-2022      |
| Orchidaceae   | <i>Calopogon tuberosus</i> (L.) BSP                                     | Sher-2022-2    |
| Orchidaceae   | <i>Cleistesiosis divaricata</i> (L.) Pansarin & F. Barros               | 00087515Q      |
| Orchidaceae   | <i>Habenaria quinqueseta</i> (Michx.) A. Eaton                          | Sher-2009      |
| Orchidaceae   | <i>Habenaria repens</i> Nutt.   | H.S. 212 f.90  |
| Orchidaceae   | <i>Habenaria repens</i> Nutt.   | Sher-2008      |
| Orchidaceae   | <i>Habenaria repens</i> Nutt.   | 00087503N      |
| Orchidaceae   | <i>Hexaletris spicata</i> (Walter) Barnhart                             | Sher-2024      |
| Orchidaceae   | <i>Malaxis unifolia</i> Michx.  | Sher-2016      |
| Orchidaceae   | <i>Platanthera ciliaris</i> (L.) Lindl.                                 | H.S. 212 f.56  |
| Orchidaceae   | <i>Platanthera ciliaris</i> (L.) Lindl.                                 | 00087499.      |
| Orchidaceae   | <i>Platanthera ciliaris</i> (L.) Lindl.                                 | 00087507R      |
| Orchidaceae   | <i>Platanthera integra</i> (Nutt.) A. Gray ex Beck                      | H.S. 212 f.55  |
| Orchidaceae   | <i>Platanthera integra</i> (Nuttall) A. Gray ex Beck                    | 00087491T      |
| Orchidaceae   | <i>Platanthera</i> sp.  | 00087487Y      |
| Orchidaceae   | <i>Pogonia ophioglossoides</i> (L.) Ker-Gawler                          | 00087511M      |
| Orchidaceae   | <i>Spiranthes odorata</i> (Nutt.) Lindl.                                | Sher-2013      |

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|---------|---|----------------|
| Poaceae | <i>Andropogon tenuispatheus</i> (Nash) Nash   | 00087576X      |
| Poaceae | <i>Andropogon tenuispatheus</i> (Nash) Nash   | H.S. 212 f.87  |
| Poaceae | <i>Arundinaria tecta</i> (Walter) Muhlenberg  | 00087480R      |
| Poaceae | <i>Arundinaria tecta</i> (Walter) Muhlenberg  | Sher-0184      |
| Poaceae | <i>Arundinaria tecta</i> (Walter) Muhlenberg  | Sher-0184-2    |
| Poaceae | <i>Cenchrus</i> sp.   | H.S. 212 f.84  |
| Poaceae | <i>Cenchrus</i> sp.   | 00087496Y      |
| Poaceae | <i>Cenchrus incertus</i> M.A. Curtis  | Sher-0132      |
| Poaceae | <i>Chasmanthium latifolium</i> (Michx.) Yates   | H.S. 232 f.103 |
| Poaceae | <i>Chasmanthium sessilifolium</i> (Poir.) Yates   | Sher-0177      |
| Poaceae | <i>Chloris elata</i> Desv. = <i>Chloris polydactyla</i>                                 | 00087545T      |
| Poaceae | <i>Chloris radiata</i> (L.) Sw.   | 00087549X      |
| Poaceae | <i>Coelorachis rugosa</i> (Nutt.) Nash  | H.S. 212 f.85  |
| Poaceae | <i>Coleataenia species</i> 1 in prep. ssp. <i>rigidula</i> per Weakley                  | 00087584W      |
| Poaceae | <i>Ctenium aromaticum</i> (Walter) Wood   | H.S. 212 f.44  |
| Poaceae | <i>Ctenium aromaticum</i> (Walter) Wood   | Sher-0139      |
| Poaceae | <i>Ctenium aromaticum</i> (Walter) Wood   | 00087537U      |
| Poaceae | <i>Ctenium aromaticum</i> (Walter) Wood   | 00087541P      |
| Poaceae | <i>Danthonia sericea</i> Nuttall  | Sher-0187      |
| Poaceae | <i>Digitaria sanguinalis</i> (L.) Scopoli   | Sher-0125      |
| Poaceae | <i>Echinochloa</i> sp.  | H.S. 212 f.44  |
| Poaceae | <i>Echinochloa crusgalli</i> (L.) Palisot de Beauvois                                   | 00087523P      |
| Poaceae | <i>Eleusine indica</i> (L.) Gaertn.   | H.S. 212 f.85  |
| Poaceae | <i>Eleusine indica</i> (L.) Gaertner  | 00087562S      |
| Poaceae | <i>Elymus virginicus</i> L.   | 00087521N      |
| Poaceae | <i>Eragrostis cilianensis</i> (Allioni) Vignolo ex Janchen                              | 00087570R      |
| Poaceae | <i>Eragrostis elliotii</i> S. Watson  | 00087566W      |
| Poaceae | <i>Gymnopogon ambiguus</i> (Michx.) BSP   | Sher-0186      |
| Poaceae | <i>Hackelochloa granularis</i> (L.) Kuntze  | 00087527T      |
| Poaceae | Indet.  | H.S. 232 f.61  |
| Poaceae | Indet.  | H.S. 212 f.45  |
| Poaceae | <i>Leptochloa panicea</i> (Retzius) Ohwi  | Sher-0182-3    |
| Poaceae | <i>Leptochloa panicea</i> (Retzius) Ohwi ssp. <i>brachiata</i> (Steudel) N. Snow        | 00087529V      |
| Poaceae | <i>Leptochloa panicea</i> (Retzius) Ohwi ssp. <i>brachiata</i> (Steudel) N. Snow        | 00087533Q      |
| Poaceae | <i>Leptochloa panicea</i> (Retzius) Ohwi ssp. <i>brachiata</i> (Steudel) N. Snow        | Sher-0182-2    |
| Poaceae | <i>Leptochloa</i> sp.   | H.S. 232 f.103 |
| Poaceae | <i>Paspalum floridanum</i> Michx.   | H.S. 232 f.117 |
| Poaceae | <i>Paspalum floridanum</i> Michx.   | 00087531O      |
| Poaceae | <i>Paspalum floridanum</i> Michx.   | 00087539W      |
| Poaceae | <i>Paspalum floridanum</i> Michx.   | H.S. 212 f.83  |
| Poaceae | <i>Phalaris caroliniana</i> Walter  | H.S. 232 f.61  |
| Poaceae | <i>Phleum arenarium</i> L.  | H.S. 232 f.61  |
| Poaceae | <i>Saccharum brevibarbe</i> (Michx.) Persoon var. <i>contortum</i> (Elliott) R. Webster | 00087547V      |
| Poaceae | <i>Saccharum brevibarbe</i> (Michx.) Persoon var. <i>contortum</i> (Elliott) R. Webster | Sher-0183      |

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|----------------|--|---------------|
| Poaceae        | <i>Saccharum giganteum</i> (Walter) Pers.  | H.S. 212 f.86 |
| Poaceae        | <i>Saccharum giganteum</i> (Walter) Pers.  | Sher-0108     |
| Poaceae        | <i>Saccharum giganteum</i> (Walter) Pers.  | 00087543R     |
| Poaceae        | <i>Sacciolepis striata</i> (L.) Nash   | 00087519U     |
| Poaceae        | <i>Sacciolepis striata</i> (L.) Nash   | 00087580S     |
| Poaceae        | <i>Setaria corrugata</i> (Elliott) J.A. Schultes                                   | Sher-0118     |
| Poaceae        | <i>Setaria magna</i> Griseb.   | H.S. 212 f.82 |
| Poaceae        | <i>Setaria parviflora</i> (Poir.) Kerguelen  | Sher-0116     |
| Poaceae        | <i>Setaria parviflora</i> (Poir.) Kerguelen  | H.S. 212 f.44 |
| Poaceae        | <i>Setaria parviflora</i> (Poir.) Kerguelen  | H.S. 212 f.83 |
| Poaceae        | <i>Setaria parviflora</i> (Poir.) Kerguelen  | H.S. 232 f.30 |
| Poaceae        | <i>Setaria parviflora</i> (Poir.) Kerguelen  | Sher-0116-2   |
| Poaceae        | <i>Setaria parviflora</i> (Poir.) Kerguelen  | 00087564U     |
| Poaceae        | <i>Setaria parviflora</i> (Poir.) Kerguelen  | 00087568Y     |
| Poaceae        | <i>Setaria pumila</i> (Poir.) Roemer & Schultes                                    | Sher-0116     |
| Poaceae        | <i>Sporobolus indicus</i> (L.) R. Br.  | H.S. 212 f.86 |
| Poaceae        | <i>Sporobolus indicus</i> (L.) R. Br.  | H.S. 212 f.85 |
| Poaceae        | <i>Sporobolus indicus</i> (L.) R. Br.  | 00087572T     |
| Poaceae        | <i>Sporobolus indicus</i> (L.) R. Br.  | Sher-0145     |
| Poaceae        | <i>Tripsacum dactyloides</i> (L.) L.   | 00095710M     |
| Poaceae        | <i>Uniola paniculata</i> L.  | 00087525R     |
| Poaceae        | <i>Uniola paniculata</i> L.  | Sher-0176     |
| Poaceae        | <i>Uniola paniculata</i> L.  | Sher-0176-2   |
| Poaceae        | <i>Uniola paniculata</i> L.  | H.S. 232 f.56 |
| Poaceae        | <i>Zizania aquatica</i> L.   | H.S. 212 f.88 |
| Poaceae        | <i>Zizania aquatica</i> L. var. <i>aquatica</i>                                    | Sher-0103     |
| Pontederiaceae | <i>Pontederia cordata</i> L. var. <i>cordata</i>                                   | H.S. 232 f.67 |
| Pontederiaceae | <i>Pontederia cordata</i> L. var. <i>lancifolia</i> (Muhlenberg ex Elliott) Torrey | H.S. 212 f.19 |
| Ruscaceae      | <i>Maianthemum racemosum</i> (L.) Link   | H.S. 212 f.60 |
| Ruscaceae      | <i>Maianthemum racemosum</i> (L.) Link   | 00087486X     |
| Ruscaceae      | <i>Maianthemum racemosum</i> (L.) Link   | 00087490S     |
| Ruscaceae      | <i>Nolina georgiana</i> Michx.   | Sher-0762     |
| Ruscaceae      | <i>Nolina georgiana</i> Michx.   | Sher-0762-2   |
| Ruscaceae      | <i>Nolina georgiana</i> Michx.   | H.S. 212 f.32 |
| Ruscaceae      | <i>Polygonatum biflorum</i> (Walter) Elliott                                       | 00087514P     |
| Ruscaceae      | <i>Polygonatum biflorum</i> (Walter) Elliott                                       | H.S. 212 f.60 |
| Smilacaceae    | <i>Smilax auriculata</i> Walter  | H.S. 232 f.31 |
| Smilacaceae    | <i>Smilax bona-nox</i> L.  | 00095796-     |
| Smilacaceae    | <i>Smilax bona-nox</i> L.  | Sher-2217     |
| Smilacaceae    | <i>Smilax bona-nox</i> L.  | Sher-2222     |
| Smilacaceae    | <i>Smilax bona-nox</i> L.  | Sher-2227-2   |
| Smilacaceae    | <i>Smilax herbacea</i> L.  | Sher-2219     |
| Smilacaceae    | <i>Smilax hispida</i> Raf.   | 00095792W     |
| Smilacaceae    | <i>Smilax laurifolia</i> L.  | Sher-2229     |
| Smilacaceae    | <i>Smilax pumila</i> Walter  | 00087200H     |
| Smilacaceae    | <i>Smilax pumila</i> Walter  | Sher-2223     |
| Smilacaceae    | <i>Smilax pumila</i> Walter  | Sher-2223-2   |
| Smilacaceae    | <i>Smilax pumila</i> Walter  | H.S. 212 f.95 |
| Smilacaceae    | <i>Smilax smallii</i> Morong   | 00095800M     |
| Smilacaceae    | <i>Smilax smallii</i> Morong   | Sher-2221     |

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| Smilacaceae   | <i>Smilax</i> sp.                       | 00095788       |
| Smilacaceae   | <i>Smilax</i> sp.                       | Sher-2225      |
| Tofieldiaceae | <i>Triantha racemosa</i> (Walter) Small | H.S. 232 f.117 |
| Trilliaceae   | <i>Trillium catesbaei</i> Elliott       | Sher-sn-ATG    |
| Trilliaceae   | <i>Trillium catesbaei</i> Elliott       | 00087470Q      |
| Trilliaceae   | <i>Trillium catesbaei</i> Elliott       | H.S. 212 f.59  |
| Trilliaceae   | <i>Trillium cuneatum</i> Raf.           | 00087474U      |
| Trilliaceae   | <i>Trillium discolor</i> Wray ex Hooker | 00087478Y      |
| Trilliaceae   | <i>Trillium discolor</i> Wray ex Hooker | Sher-sn-ATH    |
| Trilliaceae   | <i>Trillium maculatum</i> Raf.          | H.S. 212 f.59  |
| Xyridaceae    | <i>Xyris ambigua</i> Bey. ex Kunth      | H.S. 212 f.42  |
| Xyridaceae    | <i>Xyris ambigua</i> Bey. ex Kunth      | 00087551Q      |
| Xyridaceae    | <i>Xyris ambigua</i> Bey. ex Kunth      | 00087563T      |

### Eudicots

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|---------------|--|----------------|
| Acanthaceae   | <i>Dyschoriste oblongifolia</i> (Michx.) Kuntze                  | H.S. 232 f.129 |
| Altingiaceae  | <i>Liquidambar styraciflua</i> L.                                | H.S. 212 f.79  |
| Altingiaceae  | <i>Liquidambar styraciflua</i> L.                                | H.S. 232 f.34  |
| Altingiaceae  | <i>Liquidambar styraciflua</i> L.                                | 00087448V      |
| Amaranthaceae | <i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants           | 00087426R      |
| Anacardiaceae | <i>Toxicodendron pubescens</i> P. Miller                         | 00087442P      |
| Anacardiaceae | <i>Toxicodendron radicans</i> (L.) Kuntze                        | H.S. 212 f.19  |
| Anacardiaceae | <i>Toxicodendron vernix</i> (L.) Kuntze                          | H.S. 212 f.25  |
| Anacardiaceae | <i>Toxicodendron vernix</i> (L.) Kuntze                          | 00087212K      |
| Anacardiaceae | <i>Toxicodendron vernix</i> (L.) Kuntze                          | 00087216O      |
| Anacardiaceae | <i>Toxicodendron vernix</i> (L.) Kuntze                          | 00095711N      |
| Apiaceae      | <i>Angelica venenosa</i> (Greenway) Fernald                      | 00087335Q      |
| Apiaceae      | <i>Angelica venenosa</i> (Greenway) Fernald                      | 00087347T      |
| Apiaceae      | <i>Angelica venenosa</i> (Greenway) Fernald                      | Sher-0622      |
| Apiaceae      | <i>Angelica venenosa</i> (Greenway) Fernald                      | H.S. 212 f.39  |
| Apiaceae      | <i>Cicuta maculata</i> L.  | 00087323N      |
| Apiaceae      | <i>Cicuta maculata</i> L.  | 00087330L      |
| Apiaceae      | <i>Cicuta maculata</i> L.  | 00087343P      |
| Apiaceae      | <i>Cicuta maculata</i> L.  | 00087351O      |
| Apiaceae      | <i>Cicuta maculata</i> L.  | Sher-0626-5    |
| Apiaceae      | <i>Cicuta maculata</i> L.  | H.S. 212 f.27  |
| Apiaceae      | <i>Eryngium integrifolium</i> Walter                             | 00087334P      |
| Apiaceae      | <i>Eryngium integrifolium</i> Walter                             | H.S. 212 f.41  |
| Apiaceae      | <i>Eryngium integrifolium</i> Walter                             | Sher-0614      |
| Apiaceae      | <i>Eryngium yuccifolium</i> Michx.                               | 00087338T      |
| Apiaceae      | <i>Osmorhiza longistylis</i> (Torr.) A.P. de Candolle            | H.S. 212 f.32  |
| Apiaceae      | <i>Osmorhiza longistylis</i> (Torr.) A.P. de Candolle            | H.S. 212 f.34  |
| Apiaceae      | <i>Osmorhiza longistylis</i> (Torr.) A.P. de Candolle            | 00087339U      |
| Apiaceae      | <i>Osmorhiza longistylis</i> (Torr.) A.P. de Candolle            | Sher-0635      |
| Apiaceae      | <i>Ptilimnium capillaceum</i> (Michx.) Raf.                      | 00087331M      |
| Apiaceae      | <i>Ptilimnium capillaceum</i> (Michx.) Raf.                      | Sher-0621      |
| Apiaceae      | <i>Ptilimnium capillaceum</i> (Michx.) Raf.                      | H.S. 232 f.116 |
| Apiaceae      | <i>Thaspium barbinode</i> (Michx.) Nutt.                         | H.S. 212 f.58a |
| Apiaceae      | <i>Thaspium trifoliatum</i> (L.) A. Gray var. <i>trifoliatum</i> | H.S. 212 f.37  |

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|---------------|--|----------------|
| Apocynaceae   | <i>Amsonia tabernaemontana</i> Walter  | Sher-0551      |
| Apocynaceae   | <i>Amsonia tabernaemontana</i> Walter  | 00087427S      |
| Apocynaceae   | <i>Amsonia tabernaemontana</i> Walter var.<br><i>tabernaemontana</i>           | H.S. 212 f.37  |
| Apocynaceae   | <i>Apocynum cannabinum</i> L.  | Sher-0550-2    |
| Apocynaceae   | <i>Apocynum cannabinum</i> L.  | 00087431N      |
| Apocynaceae   | <i>Apocynum cannabinum</i> L.  | H.S. 212 f.57  |
| Apocynaceae   | <i>Asclepias amplexicaulis</i> Sm.   | Sher-0582      |
| Apocynaceae   | <i>Asclepias amplexicaulis</i> Sm.   | H.S. 212 f.30  |
| Apocynaceae   | <i>Asclepias humistrata</i> Walter   | Sher-0586      |
| Apocynaceae   | <i>Asclepias humistrata</i> Walter   | H.S. 232 f.86  |
| Apocynaceae   | <i>Asclepias humistrata</i> Walter   | H.S. 212 f.30  |
| Apocynaceae   | <i>Asclepias michauxii</i> Decaisne  | 00087214M      |
| Apocynaceae   | <i>Asclepias obovata</i> Elliott   | H.S. 232 f.114 |
| Apocynaceae   | <i>Asclepias perennis</i> Walter   | H.S. 232 f.122 |
| Apocynaceae   | <i>Asclepias rubra</i> L.  | Sher-0587-2    |
| Apocynaceae   | <i>Asclepias rubra</i> L.  | H.S. 232 f.83  |
| Apocynaceae   | <i>Asclepias rubra</i> L. (left) <i>Asclepias lanceolata</i><br>Walter (right) | Sher-0565      |
| Apocynaceae   | <i>Asclepias tuberosa</i> L.   | Sher-0574-2    |
| Apocynaceae   | <i>Asclepias tuberosa</i> L.   | H.S. 212 f.31  |
| Apocynaceae   | <i>Asclepias tuberosa</i> L.   | H.S. 212 f.30  |
| Apocynaceae   | <i>Asclepias variegata</i> L.  | Sher-0567      |
| Apocynaceae   | <i>Asclepias verticillata</i> L.   | Sher-0566      |
| Apocynaceae   | <i>Asclepias verticillata</i> L.   | Sher-0546      |
| Apocynaceae   | <i>Asclepias verticillata</i> L.   | H.S. 212 f.30  |
| Apocynaceae   | <i>Asclepias viridiflora</i> Raf.  | Sher-0583      |
| Apocynaceae   | <i>Asclepias viridiflora</i> Raf.  | H.S. 212 f.18  |
| Apocynaceae   | <i>Cynanchum laeve</i> (Michx.) Persoon  | Sher-0548      |
| Apocynaceae   | <i>Matelea carolinensis</i> (Jacq.) Woodson                                    | H.S. 212 f.17  |
| Aquifoliaceae | <i>Ilex ambigua</i> (Michx.) Torr.   | H.S. 212 f.15  |
| Aquifoliaceae | <i>Ilex ambigua</i> (Michx.) Torrey = <i>Ilex beadlei</i><br>W.W. Ashe         | 00087255R      |
| Aquifoliaceae | <i>Ilex ambigua</i> (Michx.) Torrey = <i>Ilex beadlei</i><br>W.W. Ashe         | 00087255R      |
| Aquifoliaceae | <i>Ilex cassine</i> L.   | Sher-0250      |
| Aquifoliaceae | <i>Ilex cassine</i> L.   | 00087208P      |
| Aquifoliaceae | <i>Ilex cassine</i> L.   | 00087437T      |
| Aquifoliaceae | <i>Ilex cassine</i> L.   | 00087441O      |
| Aquifoliaceae | <i>Ilex cassine</i> L.   | 00095687Z      |
| Aquifoliaceae | <i>Ilex cassine</i> L.   | 00095703O      |
| Aquifoliaceae | <i>Ilex cassine</i> L.   | Sher-0256      |
| Aquifoliaceae | <i>Ilex cassine</i> L.   | H.S. 212 f.65  |
| Aquifoliaceae | <i>Ilex cassine</i> x <i>opaca</i>   | H.S. 212 f.65  |
| Asteraceae    | <i>Ampelaster carolinianus</i> (Walter) Nesom                                  | H.S. 212 f.83  |
| Asteraceae    | <i>Ampelaster carolinianus</i> (Walter) Nesom                                  | 00087344Q      |
| Asteraceae    | <i>Ampelaster carolinianus</i> (Walter) Nesom                                  | H.S. 232 f.41  |
| Asteraceae    | <i>Arnoglossum atriplicifolium</i> (L.) H. Rob.                                | H.S. 212 f.6   |
| Asteraceae    | <i>Arnoglossum atriplicifolium</i> (L.) H. Rob.                                | 00087258U      |
| Asteraceae    | <i>Berlandiera pumila</i> (Michx) Nutt.  | 00087358V      |
| Asteraceae    | <i>Berlandiera pumila</i> (Michx) Nutt.  | H.S. 212 f.34  |

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| Asteraceae | <i>Bidens bipinnata</i> L.   | 00087254Q      |
| Asteraceae | <i>Bidens bipinnata</i> L.   | 00087274S      |
| Asteraceae | <i>Bidens frondosa</i> L.  | H.S. 212 f.8   |
| Asteraceae | <i>Bidens</i> sp.  | H.S. 212 f.7   |
| Asteraceae | <i>Bigelovia nudata</i> (Michx.) DC.   | H.S. 212 f.74  |
| Asteraceae | <i>Borrchia frutescens</i> (L.) A.P. de Candolle                                   | 00087318R      |
| Asteraceae | <i>Brickellia eupatorioides</i> (L.) Shinnery                                      | 00087263Q      |
| Asteraceae | <i>Brickellia eupatorioides</i> (L.) Shinnery                                      | 00087321L      |
| Asteraceae | <i>Carphephorus carnosus</i> (Small) C.W. James                                    | H.S. 232 f.30  |
| Asteraceae | <i>Carphephorus</i> sp.  | 00087370P      |
| Asteraceae | <i>Chaptalia tomentosa</i> Vent.   | H.S. 212 f.35  |
| Asteraceae | <i>Chaptalia tomentosa</i> Vent.   | Sher-1982      |
| Asteraceae | <i>Chrysogonum virginianum</i> L.  | H.S. 212 f.17  |
| Asteraceae | <i>Chrysoma pauciflosculosa</i> (Michx.) Greene                                    | Sher-1686      |
| Asteraceae | <i>Chrysopsis gossypina</i> (Michx.) Elliott                                       | Sher-1762      |
| Asteraceae | <i>Chrysopsis gossypina</i> (Michx.) Elliott                                       | H.S. 232 f.42  |
| Asteraceae | <i>Chrysopsis gossypina</i> (Michx.) Elliott                                       | 00087290Q      |
| Asteraceae | <i>Chrysopsis mariana</i> (L.) Elliott   | H.S. 212 f.96  |
| Asteraceae | <i>Chrysopsis mariana</i> (L.) Elliott   | 00087269W      |
| Asteraceae | <i>Chrysopsis mariana</i> (L.) Elliott   | Sher-1887-2    |
| Asteraceae | <i>Chrysopsis mariana</i> (L.) Elliott   | Sher-1889      |
| Asteraceae | <i>Chrysopsis mariana</i> (L.) Elliott   | H.S. 232 f.42  |
| Asteraceae | <i>Chrysopsis mariana</i> (L.) Elliott   | H.S. 232 f.64  |
| Asteraceae | <i>Cirsium repandum</i> Michx.   | Sher-1638      |
| Asteraceae | <i>Cirsium</i> sp.   | Sher-1639      |
| Asteraceae | <i>Cirsium</i> sp.   | 00087322M      |
| Asteraceae | <i>Cirsium virginianum</i> (L.) Michx.   | Sher-1637      |
| Asteraceae | <i>Conyza canadensis</i> (L.) Cronquist var. <i>pusilla</i><br>(Nuttall) Cronquist | Sher-1745      |
| Asteraceae | <i>Coreopsis delphinifolia</i> Lam.  | Sher-1960      |
| Asteraceae | <i>Coreopsis delphinifolia</i> Lam.  | H.S. 232 f.29  |
| Asteraceae | <i>Coreopsis lanceolata</i> L.   | 00087278W      |
| Asteraceae | <i>Coreopsis lanceolata</i> L.   | 00087376V      |
| Asteraceae | <i>Coreopsis lanceolata</i> L.   | Hort-048-056c  |
| Asteraceae | <i>Coreopsis lanceolata</i> L.   | H.S. 232 f.123 |
| Asteraceae | <i>Coreopsis lanceolata</i> L.   | H.S. 212 f.20  |
| Asteraceae | <i>Coreopsis major</i> Walter var. <i>major</i>                                    | H.S. 212 f.33  |
| Asteraceae | <i>Coreopsis major</i> Walter var. <i>major</i>                                    | H.S. 232 f.48  |
| Asteraceae | <i>Coreopsis major</i> Walter var. <i>rigida</i> (Nuttall)<br>F.E.Boynton          | 00087251N      |
| Asteraceae | <i>Coreopsis major</i> Walter var. <i>rigida</i> (Nuttall)<br>F.E.Boynton          | 00095700L      |
| Asteraceae | <i>Coreopsis major</i> Walter var. <i>rigida</i> (Nuttall)<br>F.E.Boynton          | Sher-1968      |
| Asteraceae | <i>Coreopsis major</i> Walter var. <i>rigida</i> (Nuttall)<br>F.E.Boynton          | Sher-1969-2    |
| Asteraceae | <i>Coreopsis pubescens</i> Elliott   | Sher-1965      |
| Asteraceae | <i>Elephantopus carolinianus</i> Rauschel  | Sher-1632      |
| Asteraceae | <i>Elephantopus tomentosus</i> L.  | 00087371Q      |
| Asteraceae | <i>Elephantopus tomentosus</i> L.  | Sher-1991      |
| Asteraceae | <i>Erigeron quercifolius</i> Lam.  | 00087374T      |

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| Asteraceae | <i>Erigeron quercifolius</i> Lam.   | H.S. 212 f.40  |
| Asteraceae | <i>Erigeron quercifolius</i> Lam.   | Sher-1765      |
| Asteraceae | <i>Erigeron quercifolius</i> Lam.   | 00087325P      |
| Asteraceae | <i>Erigeron quercifolius</i> Lam.   | Sher-1764      |
| Asteraceae | <i>Erigeron strigosus</i> Muhlenberg ex Willdenow   | H.S. 232 f.127 |
| Asteraceae | <i>Eupatorium</i> sp.   | H.S. 212 f.88  |
| Asteraceae | <i>Eupatorium album</i> L.  | 00087380Q      |
| Asteraceae | <i>Eupatorium capillifolium</i> (Lam.) Small  | H.S. 212 f.84  |
| Asteraceae | <i>Eupatorium capillifolium</i> (Lam.) Small  | 00087286V      |
| Asteraceae | <i>Eupatorium capillifolium</i> (Lam.) Small  | 00087337S      |
| Asteraceae | <i>Eupatorium capillifolium</i> (Lam.) Small  | H.S. 232 f.49  |
| Asteraceae | <i>Eupatorium compositifolium</i> Walter  | H.S. 212 f.89  |
| Asteraceae | <i>Eupatorium leucolepis</i> (DC.) Torr. & A. Gray  | 00087270O      |
| Asteraceae | <i>Eupatorium leucolepis</i> (DC.) Torr. & A. Gray  | H.S. 212 f.10  |
| Asteraceae | <i>Eupatorium leucolepis</i> (DC.) Torr. & A. Gray  | H.S. 212 f.10  |
| Asteraceae | <i>Eupatorium perfoliatum</i> L.  | H.S. 212 f.74  |
| Asteraceae | <i>Eupatorium purpureum</i> L. var. <i>purpureum</i> =<br><i>Eutrochium purpureum</i> (L.) E.E. Lamont var.<br><i>purpureum</i> | H.S. 232 f.28  |
| Asteraceae | <i>Eupatorium rotundifolium</i> L.  | 00087265S      |
| Asteraceae | <i>Eupatorium semiserratum</i> A.P. de Candolle   | 00087250M      |
| Asteraceae | <i>Eupatorium serotinum</i> Michx.  | 00087248T      |
| Asteraceae | <i>Eupatorium serotinum</i> Michx.  | Sher-1674      |
| Asteraceae | <i>Eupatorium serotinum</i> Michx.  | H.S. 232 f.73  |
| Asteraceae | <i>Eupatorium serotinum</i> Michx.  | H.S. 212 f.89  |
| Asteraceae | <i>Eupatorium torreyanum</i> Short & Peter  | 00087379Y      |
| Asteraceae | <i>Euthamia caroliniana</i> (L.) Greene ex Porter &<br>Britton  | 00087315O      |
| Asteraceae | <i>Euthamia caroliniana</i> (L.) Greene ex Porter &<br>Britton  | H.S. 212 f.9   |
| Asteraceae | <i>Euthamia caroliniana</i> (L.) Greene ex Porter &<br>Britton  | 00087353Q      |
| Asteraceae | <i>Euthamia caroliniana</i> (L.) Greene ex Porter &<br>Britton  | H.S. 232 f.40  |
| Asteraceae | <i>Eutrochium dubium</i> (Willdenow ex Poir.) E.E.<br>Lamont  | H.S. 212 f.49  |
| Asteraceae | <i>Eutrochium purpureum</i> (L.) E.E. Lamont  | 00087259V      |
| Asteraceae | <i>Gaillardia aestivalis</i> (Walter) H. Rock   | 00087313M      |
| Asteraceae | <i>Gaillardia aestivalis</i> (Walter) H. Rock   | 00087324O      |
| Asteraceae | <i>Gaillardia aestivalis</i> (Walter) H. Rock   | Sher-1899      |
| Asteraceae | <i>Gaillardia aestivalis</i> (Walter) H. Rock   | Sher-1899-2    |
| Asteraceae | <i>Gaillardia aestivalis</i> (Walter) H. Rock var.<br><i>aestivalis</i>   | H.S. 212 f.40  |
| Asteraceae | <i>Gaillardia aestivalis</i> (Walter) H. Rock var.<br><i>aestivalis</i>   | H.S. 232 f.123 |
| Asteraceae | <i>Gaillardia pulchella</i> Fougeroux var. <i>pulchella</i>   | Sher-1957      |
| Asteraceae | <i>Gaillardia pulchella</i> Fougeroux var. <i>pulchella</i>   | 00087294U      |
| Asteraceae | <i>Gamochaeta antillana</i> (Urban) Anderberg   | H.S. 212 f.35  |
| Asteraceae | <i>Gamochaeta calviceps</i> (Fernald) Cabrera   | Sher-1706a     |
| Asteraceae | <i>Gamochaeta calviceps</i> (Fernald) Cabrera   | 00087293T      |
| Asteraceae | <i>Helenium flexuosum</i> Raf.  | Sher-1897      |

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| Asteraceae | <i>Helenium flexuosum</i> Raf.  | 00087246R      |
| Asteraceae | <i>Helenium flexuosum</i> Raf.  | 00087377W      |
| Asteraceae | <i>Helenium flexuosum</i> Raf.  | H.S. 212 f.33  |
| Asteraceae | <i>Helenium flexuosum</i> Raf.  | H.S. 232 f.29  |
| Asteraceae | <i>Helianthus angustifolius</i> L.  | 00087368W      |
| Asteraceae | <i>Helianthus angustifolius</i> L.  | H.S. 212 f.92  |
| Asteraceae | <i>Helianthus angustifolius</i> L.  | 00087326Q      |
| Asteraceae | <i>Helianthus atrorubens</i> L.   | Sher-1650      |
| Asteraceae | <i>Helianthus atrorubens</i> L.   | Sher-1947-3    |
| Asteraceae | <i>Helianthus debilis</i> Nutt.   | Sher-1944-2    |
| Asteraceae | <i>Helianthus hirsutus</i> Raf.   | H.S. 232 f.114 |
| Asteraceae | <i>Helianthus hirsutus</i> Raf.   | Sher-1934-3    |
| Asteraceae | <i>Helianthus hirsutus</i> Raf.   | 00087352P      |
| Asteraceae | <i>Heliopsis helianthoides</i> (L.) Sweet   | 00087245Q      |
| Asteraceae | <i>Heliopsis helianthoides</i> (L.) Sweet var.<br><i>helianthoides</i>                      | H.S. 232 f.113 |
| Asteraceae | <i>Heliopsis helianthoides</i> (L.) Sweet var. <i>gracilis</i><br>(Nuttall) Gandhi & Thomas | Sher-1968-2    |
| Asteraceae | <i>Indet.</i>   | H.S. 212 f.41  |
| Asteraceae | <i>Lactuca graminifolia</i> Michx.  | Sher-1605      |
| Asteraceae | <i>Lactuca</i> sp.  | Sher-1609-2    |
| Asteraceae | <i>Lactuca</i> sp.  | H.S. 232 f.61  |
| Asteraceae | <i>Liatris elegans</i> (Walter) Michx.  | 00087317Q      |
| Asteraceae | <i>Liatris elegans</i> (Walter) Michx.  | Sher-1623-2    |
| Asteraceae | <i>Liatris elegans</i> (Walter) Michx.  | H.S. 232 f.40  |
| Asteraceae | <i>Liatris elegans</i> (Walter) Michx.  | Sher-1623      |
| Asteraceae | <i>Liatris elegans</i> (Walter) Michx.  | H.S. 212 f.92  |
| Asteraceae | <i>Liatris elegans</i> (Walter) Michx.  | H.S. 212 f.94  |
| Asteraceae | <i>Liatris secunda</i> Elliott  | 00087273R      |
| Asteraceae | <i>Liatris secunda</i> Elliott  | 00087316P      |
| Asteraceae | <i>Liatris secunda</i> Elliott  | Sher-1622      |
| Asteraceae | <i>Liatris secunda</i> Elliott  | H.S. 232 f.111 |
| Asteraceae | <i>Liatris spicata</i> (L.) Willd. var. <i>resinosa</i> (Nutt.)<br>Gaiser                   | H.S. 232 f.111 |
| Asteraceae | <i>Liatris spicata</i> (L.) Willd. var. <i>resinosa</i> (Nutt.)<br>Gaiser                   | H.S. 212 f.94  |
| Asteraceae | <i>Liatris spicata</i> (L.) Willd. var. <i>resinosa</i> (Nutt.)<br>Gaiser                   | H.S. 212 f.94  |
| Asteraceae | <i>Liatris spicata</i> (L.) Willd. var. <i>resinosa</i> (Nutt.)<br>Gaiser                   | 00087333O      |
| Asteraceae | <i>Liatris spicata</i> (L.) Willd. var. <i>resinosa</i> (Nutt.)<br>Gaiser                   | Sher-1621      |
| Asteraceae | <i>Liatris squarrosa</i> (L.) Michx. var. <i>squarrosa</i>                                  | H.S. 212 f.54  |
| Asteraceae | <i>Liatris squarrosa</i> (L.) Michx.  | 00087361P      |
| Asteraceae | <i>Liatris squarrosa</i> (L.) Michx.  | Hort-071-082b  |
| Asteraceae | <i>Liatris squarrulosa</i> Michx.   | Sher-1624      |
| Asteraceae | <i>Liatris squarrulosa</i> Michx.   | H.S. 232 f.42  |
| Asteraceae | <i>Liatris squarrulosa</i> Michx.   | H.S. 212 f.96  |
| Asteraceae | <i>Marshallia graminifolia</i> (Walter) Small   | 00087247S      |
| Asteraceae | <i>Marshallia graminifolia</i> (Walter) Small   | 00087367V      |
| Asteraceae | <i>Marshallia graminifolia</i> (Walter) Small   | H.S. 212 f.53  |

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| Asteraceae | <i>Marshallia obovata</i> (Walter) Beadle & F.E.<br>Boynt. var. <i>scaposa</i> Channell | H.S. 212 f.60  |
| Asteraceae | <i>Marshallia obovata</i> (Walter) Beadle & F.E.<br>Boynt. var. <i>scaposa</i> Channell | 00087365T      |
| Asteraceae | <i>Melanthera nivea</i> (L.) Small  | Hort-046-054b  |
| Asteraceae | <i>Melanthera nivea</i> (L.) Small  | 00087378X      |
| Asteraceae | <i>Pityopsis graminifolia</i> (Michx.) Nuttall var.<br><i>latifolia</i> Fernald         | 00087357U      |
| Asteraceae | <i>Pityopsis graminifolia</i> (Michx.) Nuttall var.<br><i>latifolia</i> Fernald         | H.S. 212 f.72  |
| Asteraceae | <i>Pluchea camphorata</i> (L.) D.C.   | 00087362Q      |
| Asteraceae | <i>Pluchea camphorata</i> (L.) D.C.   | Hort-089-105   |
| Asteraceae | <i>Pluchea foetida</i> (L.) D.C.  | H.S. 212 f.51  |
| Asteraceae | <i>Pluchea foetida</i> (L.) D.C.  | 00087262P      |
| Asteraceae | <i>Pluchea foetida</i> (L.) D.C.  | Sher-1687      |
| Asteraceae | <i>Prenanthes autumnalis</i> Walter   | Sher-1609      |
| Asteraceae | <i>Prenanthes autumnalis</i> Walter   | H.S. 212 f.83  |
| Asteraceae | <i>Prenanthes autumnalis</i> Walter   | 00087282R      |
| Asteraceae | <i>Prenanthes serpentaria</i> Pursh   | Sher-1607      |
| Asteraceae | <i>Prenanthes serpentaria</i> Pursh   | H.S. 232 f.134 |
| Asteraceae | <i>Prenanthes</i> sp.   | Sher-1608      |
| Asteraceae | <i>Pseudognaphalium obtusifolium</i> (L.) Hilliard &<br>Burt                            | H.S. 212 f.75  |
| Asteraceae | <i>Pseudognaphalium obtusifolium</i> (L.) Hilliard &<br>Burt                            | 00087289Y      |
| Asteraceae | <i>Pterocaulon pycnostachyum</i> (Michx.) Elliott                                       | Sher-1698      |
| Asteraceae | <i>Rudbeckia hirta</i> L.   | H.S. 232 f.49  |
| Asteraceae | <i>Sericocarpus asteroides</i> (L.) BSP   | H.S. 212 f.35  |
| Asteraceae | <i>Sericocarpus asteroides</i> (L.) BSP   | 00087345R      |
| Asteraceae | <i>Sericocarpus tortifolius</i> (Michx.) Nees   | 00087341N      |
| Asteraceae | <i>Sericocarpus tortifolius</i> (Michx.) Nees   | H.S. 212 f.94  |
| Asteraceae | <i>Silphium asteriscus</i> L.   | Hort-037-42b   |
| Asteraceae | <i>Silphium asteriscus</i> L.   | 00087375U      |
| Asteraceae | <i>Silphium asteriscus</i> L.   | H.S. 212 f.18  |
| Asteraceae | <i>Smallanthus uvedalius</i> (L.) Mackenzie ex Small                                    | H.S. 232 f.102 |
| Asteraceae | <i>Solidago fistulosa</i> Mill.   | H.S. 212 f.10  |
| Asteraceae | <i>Solidago fistulosa</i> Mill.   | 00087349V      |
| Asteraceae | <i>Solidago odora</i> Aiton   | H.S. 212 f.9   |
| Asteraceae | <i>Solidago petiolaris</i> Aiton  | 00087336R      |
| Asteraceae | <i>Solidago petiolaris</i> Aiton  | Sher-1865      |
| Asteraceae | <i>Solidago petiolaris</i> Aiton var. <i>petiolaris</i>                                 | H.S. 232 f.63  |
| Asteraceae | <i>Solidago rugosa</i> P. Miller  | Sher-1855      |
| Asteraceae | <i>Solidago rugosa</i> P. Miller  | 00087366U      |
| Asteraceae | <i>Solidago sempervirens</i> L.   | H.S. 212 f.75  |
| Asteraceae | <i>Solidago sempervirens</i> L.   | 00087329T      |
| Asteraceae | <i>Solidago stricta</i> Aiton   | Sher-1864      |
| Asteraceae | <i>Stokesia laevis</i> (Hill) Greene  | Sher-1641      |
| Asteraceae | <i>Symphyotrichum concolor</i> (L.) Nesom   | H.S. 212 f.96  |
| Asteraceae | <i>Symphyotrichum concolor</i> (L.) Nesom   | Sher-1819      |
| Asteraceae | <i>Symphyotrichum concolor</i> (L.) Nesom var.<br><i>concolor</i>                       | H.S. 232 f.64  |

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| Asteraceae    | <i>Symphyotrichum dumosum</i> (L.) Nesom                            | H.S. 212 f.71  |
| Asteraceae    | <i>Symphyotrichum dumosum</i> (L.) Nesom                            | 00087348U      |
| Asteraceae    | <i>Symphyotrichum dumosum</i> (L.) Nesom                            | Sher-1775-2    |
| Asteraceae    | <i>Symphyotrichum dumosum</i> (L.) Nesom                            | H.S. 232 f.123 |
| Asteraceae    | <i>Symphyotrichum dumosum</i> (L.) Nesom                            | 00087320K      |
| Asteraceae    | <i>Symphyotrichum elliottii</i> (Torrey & A. Gray)<br>Nesom         | Sher-1822      |
| Asteraceae    | <i>Symphyotrichum subulatum</i> (Michx.) Nesom                      | Sher-1809      |
| Asteraceae    | <i>Trilisa odoratissima</i>   | Sher-1619      |
| Asteraceae    | <i>Trilisa odoratissima</i>   | Sher-1619-2    |
| Asteraceae    | <i>Trilisa odoratissima</i>   | Sher-1619?     |
| Asteraceae    | <i>Trilisa paniculata</i> (J.F. Gmelin) Cassini                     | 00087266T      |
| Asteraceae    | <i>Trilisa paniculata</i> (J.F. Gmelin) Cassini                     | Sher-1626      |
| Asteraceae    | <i>Trilisa paniculata</i> (J.F. Gmelin) Cassini                     | H.S. 232 f.40  |
| Asteraceae    | <i>Trilisa paniculata</i> (J.F. Gmelin) Cassini                     | H.S. 212 f.96  |
| Asteraceae    | <i>Vernonia acaulis</i> (Walter) Gleason                            | H.S. 232 f.130 |
| Asteraceae    | <i>Vernonia angustifolia</i> Michx.                                 | Sher-1800      |
| Asteraceae    | <i>Vernonia angustifolia</i> Michx.                                 | 00087363R      |
| Asteraceae    | <i>Vernonia angustifolia</i> Michx.                                 | H.S. 212 f.62  |
| Asteraceae    | <i>Vernonia gigantea</i> (Walter) Trelease                          | H.S. 232 f.66  |
| Asteraceae    | <i>Vernonia glauca</i> (L.) Willd.                                  | 00087372R      |
| Asteraceae    | <i>Vernonia noveboracensis</i> (L.) Michx.                          | Hort-262-341   |
| Balsaminaceae | <i>Impatiens capensis</i> Meerburgh                                 | H.S. 232 f.115 |
| Balsaminaceae | <i>Impatiens capensis</i> Meerburgh                                 | H.S. 232 f.74  |
| Berberidaceae | <i>Podophyllum peltatum</i> L.                                      | Sher-1078-3    |
| Berberidaceae | <i>Podophyllum peltatum</i> L.                                      | H.S. 212 f.63  |
| Betulaceae    | <i>Carpinus caroliniana</i> Walter                                  | 00095720N      |
| Betulaceae    | <i>Carpinus caroliniana</i> Walter                                  | H.S. 212 f.13  |
| Betulaceae    | <i>Ostrya virginiana</i> (Miller) Koch                              | H.S. 232 f.61  |
| Bignoniaceae  | <i>Catalpa bignonioides</i> Walter                                  | 00087472S      |
| Bignoniaceae  | <i>Catalpa bignonioides</i> Walter                                  | 00095685X      |
| Bignoniaceae  | <i>Catalpa bignonioides</i> Walter                                  | 00095691U      |
| Bignoniaceae  | <i>Catalpa bignonioides</i> Walter                                  | 00095693W      |
| Bignoniaceae  | <i>Catalpa bignonioides</i> Walter                                  | Sher-1249      |
| Bignoniaceae  | <i>Catalpa bignonioides</i> Walter                                  | Sher-1249-3    |
| Bignoniaceae  | <i>Catalpa bignonioides</i> Walter                                  | H.S. 232 f.51  |
| Bignoniaceae  | <i>Catalpa bignonioides</i> Walter                                  | H.S. 212 f.61  |
| Boraginaceae  | <i>Lithospermum canescens</i> (Michx.) Lehmann                      | Sher-0268      |
| Boraginaceae  | <i>Lithospermum canescens</i> (Michx.) Lehmann                      | 00087544S      |
| Boraginaceae  | <i>Lithospermum caroliniense</i> (Walter ex J.F. Gmel.)<br>MacMill. | H.S. 212 f.54  |
| Boraginaceae  | <i>Onosmodium virginianum</i> (L.) A. DC.                           | H.S. 212 f.40  |
| Boraginaceae  | <i>Onosmodium virginianum</i> (L.) A. DC.                           | Sher-0273      |
| Brassicaceae  | <i>Lepidium virginicum</i> L.                                       | Sher-1310      |
| Brassicaceae  | <i>Nasturtium officinale</i> R. Brown                               | H.S. 232 f.61  |
| Campanulaceae | <i>Lobelia elongata</i> Small                                       | H.S. 232 f.48  |
| Campanulaceae | <i>Lobelia elongata</i> Small                                       | H.S. 212 f.7   |
| Campanulaceae | <i>Lobelia glandulosa</i> Walter                                    | Sher-0376-2    |
| Campanulaceae | <i>Lobelia glandulosa</i> Walter                                    | 00095712O      |
| Campanulaceae | <i>Lobelia puberula</i> Michx.                                      | H.S. 212 f.7   |
| Campanulaceae | <i>Triodanis perfoliata</i> (L.) Nieuwl.                            | H.S. 212 f.31  |

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| Campanulaceae   | <i>Triodanis perfoliata</i> (L.) Nieuwl.  | 00087409S      |
| Caryophyllaceae | <i>Indet.</i>   | H.S. 232 f.61  |
| Caryophyllaceae | <i>Silene virginica</i> L.  | 00087296W      |
| Caryophyllaceae | <i>Silene virginica</i> L.  | 00087303L      |
| Caryophyllaceae | <i>Silene virginica</i> L.  | H.S. 212 f.18  |
| Celastraceae    | <i>Euonymus americanus</i> L.   | 00087267U      |
| Celastraceae    | <i>Euonymus americanus</i> L.   | Sher-0511-4    |
| Cleomaceae      | <i>Tarenaya hassleriana</i> (Chodat) H.H. Iltis =<br><i>Cleome hassleriana</i> Chodat       | 00087297X      |
| Clethraceae     | <i>Clethra tomentosa</i> Lam.   | 00087210I      |
| Clethraceae     | <i>Clethra tomentosa</i> Lam.   | H.S. 212 f.50  |
| Clethraceae     | <i>Clethra tomentosa</i> Lam.   | H.S. 232 f.35  |
| Clethraceae     | <i>Clethra tomentosa</i> , <i>Clethra alnifolia</i><br>(nonflowering) on top                | 00087218Q      |
| Convolvulaceae  | <i>Calystegia catesbeiana</i> Pursh   | Sher-0343-2    |
| Convolvulaceae  | <i>Calystegia catesbeiana</i> Pursh   | H.S. 212 f.34  |
| Convolvulaceae  | <i>Ipomoea</i> sp.  | H.S. 232 f.61  |
| Convolvulaceae  | <i>Ipomoea coccinea</i> L.  | H.S. 232 f.61  |
| Convolvulaceae  | <i>Ipomoea sagittata</i> Poiret   | Sher-0320      |
| Convolvulaceae  | <i>Ipomoea sagittata</i> Poiret   | 00087540O      |
| Convolvulaceae  | <i>Jacquemontia tamnifolia</i> (L.) Grisebach   | 00087560Q      |
| Convolvulaceae  | <i>Jacquemontia tamnifolia</i> (L.) Grisebach   | Sher-0359      |
| Convolvulaceae  | <i>Stylisma humistrata</i> (Walter) Chapman   | Sher-0316      |
| Cornaceae       | <i>Cornus asperifolia</i> Michx.  | H.S. 232 f.60  |
| Cornaceae       | <i>Cornus florida</i> L.  | H.S. 232 f.89  |
| Cornaceae       | <i>Cornus florida</i> L.  | 00095680S      |
| Cornaceae       | <i>Cornus stricta</i> Lam.  | 00087332N      |
| Cornaceae       | <i>Cornus stricta</i> Lam.  | Sher-0236      |
| Cornaceae       | <i>Cornus florida</i> L.  | H.S. 212 f.5   |
| Cucurbitaceae   | <i>Melothria pendula</i> L.   | Sher-0054      |
| Cucurbitaceae   | <i>Melothria pendula</i> L.   | H.S. 232 f.135 |
| Cucurbitaceae   | <i>Momordica charantia</i> L.   | Sher-2195      |
| Cyrillaceae     | <i>Cyrilla racemiflora</i> L.   | H.S. 212 f.67  |
| Cyrillaceae     | <i>Cyrilla racemiflora</i> L.   | H.S. 232 f.55  |
| Cyrillaceae     | <i>Cyrilla racemiflora</i> L.   | Sher-0516      |
| Ebenaceae       | <i>Diospyros virginiana</i> L.  | 00087232M      |
| Ebenaceae       | <i>Diospyros virginiana</i> L.  | H.S. 212 f.2   |
| Ebenaceae       | <i>Diospyros virginiana</i> L.  | H.S. 232 f.47  |
| Ericaceae       | <i>Ceratiola ericoides</i> Michx.   | Sher-0020      |
| Ericaceae       | <i>Ceratiola ericoides</i> Michx.   | 00087471R      |
| Ericaceae       | <i>Ceratiola ericoides</i> Michx.   | H.S. 232 f.31  |
| Ericaceae       | <i>Chamaedaphne calyculata</i> (L.) Moench  | 00087230K      |
| Ericaceae       | <i>Chamaedaphne calyculata</i> (L.) Moench  | Sher-0798      |
| Ericaceae       | <i>Kalmia latifolia</i> L.  | 00087401K      |
| Ericaceae       | <i>Kalmia latifolia</i> L.  | H.S. 212 f.64  |
| Ericaceae       | <i>Kalmia latifolia</i> L.  | H.S. 232 f.54  |
| Ericaceae       | <i>Leucothoe axillaris</i> (Lam.) D. Don  | 00087240L      |
| Ericaceae       | <i>Leucothoe axillaris</i> (Lam.) D. Don  | Sher-0881      |
| Ericaceae       | <i>Leucothoe fontanesiana</i> (Steud.) Sleumer  | H.S. 212 f.15  |
| Ericaceae       | <i>Lyonia ligustrina</i> (L.) A.P. de Candolle var.<br><i>foliosiflora</i> (Michx.) Fernald | Sher-0874      |

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| Ericaceae     | <i>Lyonia lucida</i> (Lam.) K. Koch  | 00095677Y      |
| Ericaceae     | <i>Lyonia lucida</i> (Lam.) K. Koch  | H.S. 212 f.65  |
| Ericaceae     | <i>Lyonia lucida</i> (Lam.) K. Koch  | 00087186U      |
| Ericaceae     | <i>Monotropa uniflora</i> L.   | 00087405O      |
| Ericaceae     | <i>Oxydendrum arboreum</i> (L.) DC.  | H.S. 212 f.66  |
| Ericaceae     | <i>Oxydendrum arboreum</i> (L.) DC.  | 00087238S      |
| Ericaceae     | <i>Oxydendrum arboreum</i> (L.) DC.  | 00087422N      |
| Ericaceae     | <i>Oxydendrum arboreum</i> (L.) DC.  | 00095689.      |
| Ericaceae     | <i>Oxydendrum arboreum</i> (L.) DC.  | H.S. 232 f.57  |
| Ericaceae     | <i>Rhododendron canescens</i> (Michx.) Sweet                                 | Sher-0297      |
| Ericaceae     | <i>Rhododendron canescens</i> (Michx.) Sweet                                 | 00095724R      |
| Ericaceae     | <i>Vaccinium stamineum</i> L. var. <i>caesium</i> (Greene)<br>D.B. Ward      | Sher-0797      |
| Ericaceae     | <i>Vaccinium stamineum</i> L. var. <i>caesium</i> (Greene)<br>D.B. Ward      | H.S. 212 f.60  |
| Euphorbiaceae | <i>Chamaesyce</i> sp.  | H.S. 212 f.47  |
| Euphorbiaceae | <i>Chamaesyce</i> sp.  | H.S. 212 f.48  |
| Euphorbiaceae | <i>Chamaesyce</i> sp.  | H.S. 212 f.51  |
| Euphorbiaceae | <i>Cnidoscolus stimulosus</i> (Michx.) Engelm. & A.<br>Gray                  | 00087342O      |
| Euphorbiaceae | <i>Cnidoscolus stimulosus</i> (Michx.) Engelm. & A.<br>Gray                  | H.S. 212 f.32  |
| Euphorbiaceae | <i>Croton glandulosus</i> L. var. <i>septentrionalis</i> Müller<br>of Aargau | Sher-2069      |
| Euphorbiaceae | <i>Euphorbia commutata</i> Engelm. ex A. Gray                                | Sher-0968      |
| Euphorbiaceae | <i>Euphorbia commutata</i> Engelm. ex A. Gray                                | 00087512N      |
| Euphorbiaceae | <i>Euphorbia pubentissima</i> Michx.   | Sher-0959-2    |
| Euphorbiaceae | <i>Euphorbia</i> subgenus <i>Chamaesyce</i> sp.                              | Sher-sn-m      |
| Euphorbiaceae | <i>Stillingia sylvatica</i> Garden ex L. ssp. <i>sylvatica</i>               | H.S. 232 f.65  |
| Euphorbiaceae | <i>Stillingia sylvatica</i> Garden ex L. ssp. <i>sylvatica</i>               | H.S. 212 f.53  |
| Euphorbiaceae | <i>Tragia urticifolia</i> Michx.   | Sher-2065      |
| Euphorbiaceae | <i>Tragia urticifolia</i> Michx.   | 00087455T      |
| Euphorbiaceae | <i>Tragia urticifolia</i> Michx.   | H.S. 212 f.55  |
| Fabaceae      | <i>Cicer arietinum</i> L.  | Sher-1504      |
| Fabaceae      | <i>Amorpha glabra</i> Desf. ex Poir.   | H.S. 212 f.64  |
| Fabaceae      | <i>Amorpha herbacea</i> Walter   | Sher-1456      |
| Fabaceae      | <i>Amorpha herbacea</i> Walter   | H.S. 212 f.65  |
| Fabaceae      | <i>Apios americana</i> Medikus   | H.S. 232 f.138 |
| Fabaceae      | <i>Astragalus michauxii</i> (Kuntze) F.J. Herm.                              | Hort-039-045   |
| Fabaceae      | <i>Astragalus michauxii</i> (Kuntze) F.J. Herm.                              | H.S. 212 f.58b |
| Fabaceae      | <i>Astragalus michauxii</i> (Kuntze) F.J. Herm.                              | H.S. 212 f.62  |
| Fabaceae      | <i>Astragalus michauxii</i> (Kuntze) F.J. Herm.                              | Sher-1562      |
| Fabaceae      | <i>Astragalus michauxii</i> (Kuntze) F.J. Herm.                              | 00087381R      |
| Fabaceae      | <i>Baptisia albescens</i> Small  | 00087388Y      |
| Fabaceae      | <i>Baptisia albescens</i> Small  | 00087404N      |
| Fabaceae      | <i>Baptisia albescens</i> Small  | 00087443Q      |
| Fabaceae      | <i>Baptisia albescens</i> Small  | 00095716S      |
| Fabaceae      | <i>Baptisia albescens</i> Small  | H.S. 212 f.53  |
| Fabaceae      | <i>Baptisia albescens</i> Small  | H.S. 212 f.54  |
| Fabaceae      | <i>Baptisia albescens</i> Small  | 00087389Z      |
| Fabaceae      | <i>Baptisia bracteata</i> Elliott  | 00087391S      |

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| Fabaceae | <i>Baptisia bracteata</i> Elliott  | H.S. 212 f.20  |
| Fabaceae | <i>Baptisia cinerea</i> (Raf.) Fernald & Schubert                            | 00087395W      |
| Fabaceae | <i>Baptisia perfoliata</i> (L.) R. Brown ex Aiton                            | H.S. 212 f.58b |
| Fabaceae | <i>Baptisia perfoliata</i> (L.) R. Brown ex Aiton                            | H.S. 232 f.72  |
| Fabaceae | <i>Baptisia perfoliata</i> (L.) R. Brown ex Aiton                            | 00087327R      |
| Fabaceae | <i>Baptisia perfoliata</i> (L.) R. Brown ex Aiton                            | Hort-102-122a  |
| Fabaceae | <i>Baptisia tinctoria</i> (L.) Ventenat                                      | H.S. 212 f.28  |
| Fabaceae | <i>Baptisia tinctoria</i> (L.) Ventenat                                      | H.S. 232 f.108 |
| Fabaceae | <i>Baptisia tinctoria</i> (L.) Ventenat                                      | 00087447U      |
| Fabaceae | <i>Cercis canadensis</i> L.  | 00087428T      |
| Fabaceae | <i>Cercis canadensis</i> L.  | 00095694X      |
| Fabaceae | <i>Cercis canadensis</i> L.  | H.S. 212 f.2   |
| Fabaceae | <i>Chamaecrista fasciculata</i> (Michx.) Greene                              | 00087398Z      |
| Fabaceae | <i>Chamaecrista nictitans</i> (Michx.) Greene                                | H.S. 232 f.46  |
| Fabaceae | <i>Clitoria mariana</i> L.   | Sher-1479      |
| Fabaceae | <i>Clitoria mariana</i> L.   | 00095732Q      |
| Fabaceae | <i>Dalea pinnata</i> (J.F. Gmel.) Barneby                                    | H.S. 212 f.90  |
| Fabaceae | <i>Dalea pinnata</i> (J.F. Gmel.) Barneby                                    | Sher-1423-x    |
| Fabaceae | <i>Dalea pinnata</i> (J.F. Gmel.) Barneby                                    | 00087314N      |
| Fabaceae | <i>Dalea pinnata</i> (J.F. Gmel.) Barneby                                    | 00087369X      |
| Fabaceae | <i>Desmodium canescens</i> (L.) A.P. de Candolle                             | 00087419T      |
| Fabaceae | <i>Desmodium paniculatum</i> (L.) DC.  | Sher-1529      |
| Fabaceae | Indet.   | 00087201I      |
| Fabaceae | Indet.   | 00095704P      |
| Fabaceae | <i>Galactia regularis</i> (L.) BSP   | H.S. 232 f.112 |
| Fabaceae | <i>Galactia regularis</i> (L.) BSP   | 00087394V      |
| Fabaceae | <i>Galactia volubilis</i> (L.) Britton                                       | 00087408R      |
| Fabaceae | <i>Galactia volubilis</i> (L.) Britton                                       | H.S. 212 f.91  |
| Fabaceae | <i>Gledistia aquatica</i> Marshall   | Sher-2298      |
| Fabaceae | <i>Gleditsia aquatica</i> Marsh.   | H.S. 212 f.61  |
| Fabaceae | <i>Hylodesmum glutinosum</i> (Muhlenberg ex Willdenow) H. Ohashi & R.R. Mill | Sher-1526-3    |
| Fabaceae | <i>Hylodesmum glutinosum</i> (Muhlenberg ex Willdenow) H. Ohashi & R.R. Mill | 00087226P      |
| Fabaceae | <i>Hylodesmum glutinosum</i> (Muhlenberg ex Willdenow) H. Ohashi & R.R. Mill | 00087392T      |
| Fabaceae | <i>Hylodesmum glutinosum</i> (Muhlenberg ex Willdenow) H. Ohashi & R.R. Mill | 00087415P      |
| Fabaceae | <i>Hylodesmum glutinosum</i> (Muhlenberg ex Willdenow) H. Ohashi & R.R. Mill | H.S. 212 f.38  |
| Fabaceae | <i>Hylodesmum glutinosum</i> (Muhlenberg ex Willdenow) H. Ohashi & R.R. Mill | H.S. 232 f.70  |
| Fabaceae | Indet.   | 00087223M      |
| Fabaceae | <i>Indigofera tinctoria</i> L.   | H.S. 232 f.106 |
| Fabaceae | <i>Lespedeza capitata</i> Michx.   | Sher-1570      |
| Fabaceae | <i>Lespedeza hirta</i> (L.) Hornemann var. <i>curtissii</i> (Clewell) Isely  | 00087382S      |
| Fabaceae | <i>Lespedeza hirta</i> (L.) Hornemann var. <i>curtissii</i> (Clewell) Isely  | 00087386W      |
| Fabaceae | <i>Lespedeza hirta</i> (L.) Hornemann var. <i>curtissii</i> (Clewell) Isely  | Sher-1511-2    |

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| Fabaceae | <i>Lespedeza hirta</i> (L.) Hornemann var. <i>curtissii</i><br>(Clewell) Isely               | Sher-1512      |
| Fabaceae | <i>Lespedeza hirta</i> (L.) Hornemann var. <i>curtissii</i><br>(Clewell) Isely               | H.S. 232 f.44  |
| Fabaceae | <i>Lespedeza hirta</i> (L.) Hornemann var. <i>curtissii</i><br>(Clewell) Isely               | H.S. 232 f.63  |
| Fabaceae | <i>Lespedeza</i> sp.   | 00087403M      |
| Fabaceae | <i>Lespedeza virginica</i> (L.) Britton  | H.S. 212 f.93  |
| Fabaceae | <i>Lespedeza virginica</i> (L.) Britton  | 00087412M      |
| Fabaceae | <i>Lupinus diffusus</i> Nutt.  | H.S. 212 f.57  |
| Fabaceae | <i>Lupinus diffusus</i> Nutt.  | 00087399-      |
| Fabaceae | <i>Lupinus perennis</i> L.   | 00087387X      |
| Fabaceae | <i>Lupinus perennis</i> L.   | Sher-4275      |
| Fabaceae | <i>Lupinus villosus</i> Willd.   | H.S. 212 f.57  |
| Fabaceae | <i>Lupinus villosus</i> Willd.   | Sher-1471      |
| Fabaceae | <i>Mimosa microphylla</i> Dryander   | 00087432O      |
| Fabaceae | <i>Mimosa quadrivalvis</i> L.  | H.S. 232 f.107 |
| Fabaceae | <i>Orbexilum pedunculatum</i> (P. Miller) Rydberg var.<br><i>psoralioides</i> (Walter) Isely | Sher-1573-2    |
| Fabaceae | <i>Orbexilum pedunculatum</i> (P. Miller) Rydberg var.<br><i>psoralioides</i> (Walter) Isely | 00087407Q      |
| Fabaceae | <i>Orbexilum pedunculatum</i> (P. Miller) Rydberg var.<br><i>psoralioides</i> (Walter) Isely | H.S. 212 f.23  |
| Fabaceae | <i>Orbexilum pedunculatum</i> (P. Miller) Rydberg var.<br><i>psoralioides</i> (Walter) Isely | H.S. 232 f.119 |
| Fabaceae | <i>Orbexilum pedunculatum</i> (P. Miller) Rydberg var.<br><i>psoralioides</i> (Walter) Isely | H.S. 232 f.121 |
| Fabaceae | <i>Pediomelum canescens</i> (Michx.) Rydberg   | 00087393U      |
| Fabaceae | <i>Pediomelum canescens</i> (Michx.) Rydberg   | Sher-1508      |
| Fabaceae | <i>Pediomelum canescens</i> (Michx.) Rydberg   | H.S. 212 f.41  |
| Fabaceae | <i>Pediomelum canescens</i> (Michx.) Rydberg   | H.S. 232 f.38  |
| Fabaceae | <i>Phaseolus polystachios</i> (L.) BSP   | H.S. 212 f.39  |
| Fabaceae | <i>Phaseolus</i> sp.   | 00087215N      |
| Fabaceae | <i>Phaseolus</i> sp.   | 00095736U      |
| Fabaceae | <i>Rhynchosia tomentosa</i> (L.) Hooker & Arnott   | Sher-1509      |
| Fabaceae | <i>Rhynchosia tomentosa</i> (L.) Hooker & Arnott   | 00087416Q      |
| Fabaceae | <i>Rhynchosia tomentosa</i> (L.) Hooker & Arnott   | Sher-1491      |
| Fabaceae | <i>Rhynchosia tomentosa</i> (L.) Hooker & Arnott   | H.S. 232 f.83  |
| Fabaceae | <i>Robinia hartwigii</i> Koehne  | 00087400J      |
| Fabaceae | <i>Robinia hartwigii</i> Koehne  | Sher-1516      |
| Fabaceae | <i>Robinia hartwigii</i> Koehne  | 00087396X      |
| Fabaceae | <i>Robinia hispida</i> L. var. <i>hispida</i>  | Sher-1514      |
| Fabaceae | <i>Robinia hispida</i> L. var. <i>hispida</i>  | Sher-1514-2    |
| Fabaceae | <i>Robinia nana</i> Elliott  | 00087384U      |
| Fabaceae | <i>Senna occidentalis</i> (L.) Link  | H.S. 212 f.1   |
| Fabaceae | <i>Senna occidentalis</i> (L.) Link  | H.S. 212 f.81  |
| Fabaceae | <i>Senna</i> sp.   | 00087411L      |
| Fabaceae | <i>Stylosanthes biflora</i> (L.) BSP   | H.S. 232 f.119 |
| Fabaceae | <i>Tephrosia spicata</i> (Walter) Torr. & A. Gray  | H.S. 232 f.28  |
| Fabaceae | <i>Tephrosia spicata</i> (Walter) Torr. & A. Gray  | 00087420L      |
| Fabaceae | <i>Tephrosia spicata</i> (Walter) Torr. & A. Gray  | H.S. 232 f.119 |

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| Fabaceae     | <i>Tephrosia virginiana</i> (L.) Pers.         | H.S. 212 f.56 |
| Fabaceae     | <i>Tephrosia virginiana</i> (L.) Pers.         | 00087385V     |
| Fabaceae     | <i>Tephrosia virginiana</i> (L.) Pers.         | Sher-1555     |
| Fabaceae     | <i>Trifolium reflexum</i> L.                   | 00087383T     |
| Fabaceae     | <i>Wisteria frutescens</i> (L.) Poiret         | Sher-1492     |
| Fagaceae     | <i>Castanea pumila</i> (L.) Mill               | H.S. 232 f.36 |
| Fagaceae     | <i>Castanea pumila</i> (L.) Mill               | 00095678Z     |
| Fagaceae     | <i>Castanea pumila</i> (L.) Mill               | 00087182Q     |
| Fagaceae     | <i>Castanea pumila</i> (L.) Mill               | Sher-2148     |
| Fagaceae     | <i>Quercus alba</i> L.                         | 00095696Z     |
| Fagaceae     | <i>Quercus alba</i> L.                         | 00095764V     |
| Fagaceae     | <i>Quercus alba</i> L.                         | H.S. 232 f.91 |
| Fagaceae     | <i>Quercus falcata</i> Michx.                  | 00095791V     |
| Fagaceae     | <i>Quercus hemisphaerica</i> Bartram ex Willd. | 00087180O     |
| Fagaceae     | <i>Quercus incana</i> Bartram                  | H.S. 212 f.78 |
| Fagaceae     | <i>Quercus laevis</i> Walter                   | Sher-2136     |
| Fagaceae     | <i>Quercus laevis</i> Walter                   | H.S. 232 f.88 |
| Fagaceae     | <i>Quercus laevis</i> Walter                   | H.S. 212 f.78 |
| Fagaceae     | <i>Quercus marilandica</i> Muenchh.            | H.S. 232 f.93 |
| Fagaceae     | <i>Quercus marilandica</i> Muenchh.            | 00087188W     |
| Fagaceae     | <i>Quercus marilandica</i> Muenchh.            | Sher-2126     |
| Fagaceae     | <i>Quercus michauxii</i> Nutt.                 | H.S. 212 f.5  |
| Fagaceae     | <i>Quercus michauxii</i> Nutt.                 | H.S. 232 f.14 |
| Fagaceae     | <i>Quercus michauxii</i> Nutt.                 | 00095780T     |
| Fagaceae     | <i>Quercus michauxii</i> Nutt.                 | 00095772U     |
| Fagaceae     | <i>Quercus michauxii</i> Nutt.                 | 00095783W     |
| Fagaceae     | <i>Quercus michauxii</i> Nutt.                 | 00095787-     |
| Fagaceae     | <i>Quercus michauxii</i> Nutt.                 | Sher-2131-5   |
| Fagaceae     | <i>Quercus michauxii</i> Nutt.                 | 00095776Y     |
| Fagaceae     | <i>Quercus nigra</i> L.                        | 00095679-     |
| Fagaceae     | <i>Quercus nigra</i> L.                        | Sher-2128-2   |
| Fagaceae     | <i>Quercus nigra</i> L.                        | H.S. 232 f.96 |
| Fagaceae     | <i>Quercus pagoda</i> Raf.                     | 00095795Z     |
| Fagaceae     | <i>Quercus pagoda</i> Raf.                     | Sher-2136-2   |
| Fagaceae     | <i>Quercus phellos</i> L.                      | 00095768Z     |
| Fagaceae     | <i>Quercus phellos</i> L.                      | 00095799\$    |
| Fagaceae     | <i>Quercus phellos</i> L.                      | H.S. 232 f.98 |
| Fagaceae     | <i>Quercus phellos</i> L.                      | H.S. 212 f.77 |
| Fagaceae     | <i>Quercus rubra</i> L.                        | 00095784X     |
| Fagaceae     | <i>Quercus stellata</i> Wangenheim             | 00095760R     |
| Fagaceae     | <i>Quercus velutina</i> Lam.                   | 00087227Q     |
| Fagaceae     | <i>Quercus virginiana</i> Mill.                | H.S. 212 f.81 |
| Fagaceae     | <i>Quercus virginiana</i> Mill.                | 00087205M     |
| Fagaceae     | <i>Quercus virginiana</i> Mill.                | Sher-2124     |
| Gentianaceae | <i>Gentiana catesbaei</i> Walter               | Sher-0607     |
| Gentianaceae | <i>Gentiana catesbaei</i> Walter               | H.S. 212 f.87 |
| Gentianaceae | <i>Sabatia angularis</i> (L.) Pursh            | 00087556V     |
| Gentianaceae | <i>Sabatia angularis</i> (L.) Pursh            | H.S. 212 f.7  |
| Gentianaceae | <i>Sabatia calycina</i> (Lam.) Heller          | Sher-0776     |
| Gentianaceae | <i>Sabatia calycina</i> (Lam.) Heller          | 00087552R     |
| Gentianaceae | <i>Sabatia campanulata</i> (L.) Torrey         | 00087225O     |

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| Gentianaceae   | <i>Sabatia difformis</i> (L.) Druce             | H.S. 232 f.105 |
| Gentianaceae   | <i>Sabatia quadrangula</i> Wilbur               | Sher-0477      |
| Gentianaceae   | <i>Sabatia stellaris</i> Pursh                  | H.S. 232 f.128 |
| Hamamelidaceae | <i>Hamamelis virginiana</i> L.                  | Sher-0246      |
| Hamamelidaceae | <i>Hamamelis virginiana</i> L.                  | Sher-0247      |
| Hamamelidaceae | <i>Hamamelis virginiana</i> L.                  | 00087354R      |
| Hamamelidaceae | <i>Hamamelis virginiana</i> L.                  | 00095683V      |
| Hamamelidaceae | <i>Hamamelis virginiana</i> L.                  | Sher-0246-2    |
| Hamamelidaceae | <i>Hamamelis virginiana</i> L.                  | H.S. 212 f.4   |
| Hydrangeaceae  | <i>Decumaria barbara</i> L.                     | Sher-0942      |
| Hydrangeaceae  | <i>Hydrangea arborescens</i> L.                 | H.S. 212 f.55  |
| Hydrangeaceae  | <i>Hydrangea arborescens</i> L.                 | 00087219R      |
| Hydrangeaceae  | <i>Hydrangea radiata</i> Walter                 | H.S. 232 f.55  |
| Hydrangeaceae  | <i>Philadelphus inodorus</i> L.                 | 00087444R      |
| Hydrangeaceae  | <i>Philadelphus inodorus</i> L.                 | Sher-0994-2    |
| Hydrangeaceae  | <i>Philadelphus inodorus</i> L.                 | H.S. 212 f.16  |
| Hypericaceae   | <i>Hypericum cistifolium</i> Lam.               | Sher-1587      |
| Hypericaceae   | <i>Hypericum crux-andreae</i> (L.) Crantz       | 00087288X      |
| Hypericaceae   | <i>Hypericum crux-andreae</i> (L.) Crantz       | 00087291R      |
| Hypericaceae   | <i>Hypericum crux-andreae</i> (L.) Crantz       | 00087292S      |
| Hypericaceae   | <i>Hypericum crux-andreae</i> (L.) Crantz       | Sher-1597      |
| Hypericaceae   | <i>Hypericum crux-andreae</i> (L.) Crantz       | Sher-1597-1    |
| Hypericaceae   | <i>Hypericum crux-andreae</i> (L.) Crantz       | H.S. 212 f.50  |
| Hypericaceae   | <i>Hypericum denticulatum</i> Walter            | Sher-1594      |
| Hypericaceae   | <i>Hypericum galioides</i> Lam.                 | Sher-1596      |
| Hypericaceae   | <i>Hypericum galioides</i> Lam.                 | 00087295V      |
| Hypericaceae   | <i>Hypericum tubulosum</i> Walter               | Sher-1598      |
| Hypericaceae   | <i>Hypericum virgatum</i> Lam.                  | Sher-1588      |
| Hypericaceae   | <i>Hypericum virginicum</i> L.                  | 00087284T      |
| Hypericaceae   | <i>Hypericum walteri</i> J.G. Gmelin            | H.S. 232 f.76  |
| Iteaceae       | <i>Itea virginica</i> L.                        | 00087189X      |
| Iteaceae       | <i>Itea virginica</i> L.                        | 00095697-      |
| Iteaceae       | <i>Itea virginica</i> L.                        | H.S. 232 f.80  |
| Iteaceae       | <i>Itea virginica</i> L.                        | H.S. 212 f.15  |
| Juglandaceae   | <i>Carya tomentosa</i> (Lam. ex Poiret) Nuttall | 00087459X      |
| Juglandaceae   | <i>Carya tomentosa</i> (Lam. ex Poiret) Nuttall | 00087463S      |
| Juglandaceae   | <i>Carya tomentosa</i> (Lam. ex Poiret) Nuttall | 00087467W      |
| Juglandaceae   | <i>Carya tomentosa</i> (Lam. ex Poiret) Nuttall | Sher-sn-n      |
| Juglandaceae   | <i>Carya tomentosa</i> (Lam. ex Poiret) Nuttall | H.S. 232 f.94  |
| Juglandaceae   | <i>Carya tomentosa</i> (Lam. ex Poiret) Nuttall | H.S. 232 f.97  |
| Juglandaceae   | <i>Carya tomentosa</i> (Lam. ex Poiret) Nuttall | H.S. 212 f.3   |
| Lamiaceae      | <i>Callicarpa americana</i> L.                  | 00087233N      |
| Lamiaceae      | <i>Callicarpa americana</i> L.                  | Sher-0220      |
| Lamiaceae      | <i>Clinopodium georgianum</i> R.M. Harper       | 00087477X      |
| Lamiaceae      | <i>Collinsonia canadensis</i> L.                | Sher-0043      |
| Lamiaceae      | <i>Collinsonia canadensis</i> L.                | H.S. 232 f.75  |
| Lamiaceae      | <i>Collinsonia tuberosa</i> Michx.              | 00087497Z      |
| Lamiaceae      | <i>Collinsonia tuberosa</i> Michx.              | H.S. 212 f.8   |
| Lamiaceae      | <i>Hyptis alata</i> (Raf.) Shinnars             | 00087373S      |
| Lamiaceae      | <i>Hyptis alata</i> (Raf.) Shinnars             | H.S. 212 f.43  |
| Lamiaceae      | <i>Hyptis alata</i> (Raf.) Shinnars             | Sher-1176      |

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| Lamiaceae | <i>Hyptis alata</i> (Raf.) Shinners  | 00087373S      |
| Lamiaceae | <i>Hyptis alata</i> (Raf.) Shinners  | 00087473T      |
| Lamiaceae | Indet.   | H.S. 212 f.76  |
| Lamiaceae | Indet.   | H.S. 232 f.131 |
| Lamiaceae | <i>Lycopus americanus</i> Muhlenberg ex W. Barton  | 00087513O      |
| Lamiaceae | <i>Lycopus virginicus</i> L.   | H.S. 212 f.9   |
| Lamiaceae | <i>Monarda punctata</i> L.   | 00087450O      |
| Lamiaceae | <i>Monarda punctata</i> L.   | H.S. 232 f.103 |
| Lamiaceae | <i>Monarda punctata</i> L.   | Sher-0035-2    |
| Lamiaceae | <i>Monarda punctata</i> L.   | H.S. 212 f.48  |
| Lamiaceae | <i>Monarda punctata</i> L.   | H.S. 212 f.6   |
| Lamiaceae | <i>Nepeta cataria</i> L.   | 00087449W      |
| Lamiaceae | <i>Physostegia purpurea</i> (Walter) Blake   | 00087460P      |
| Lamiaceae | <i>Physostegia purpurea</i> (Walter) Blake   | 00087509T      |
| Lamiaceae | <i>Physostegia purpurea</i> (Walter) Blake   | Sher-1191      |
| Lamiaceae | <i>Physostegia purpurea</i> (Walter) Blake   | H.S. 232 f.121 |
| Lamiaceae | <i>Prunella vulgaris</i> L.  | 00087454S      |
| Lamiaceae | <i>Prunella vulgaris</i> L. var. <i>lanceolata</i> (W. Barton)<br>Fernald                | 00087461Q      |
| Lamiaceae | <i>Prunella vulgaris</i> L. var. <i>lanceolata</i> (W. Barton)<br>Fernald                | H.S. 212 f.63  |
| Lamiaceae | <i>Pycnanthemum flexuosum</i> (Walter) BSP   | H.S. 212 f.75  |
| Lamiaceae | <i>Pycnanthemum flexuosum</i> (Walter) BSP   | H.S. 232 f.137 |
| Lamiaceae | <i>Pycnanthemum flexuosum</i> (Walter) BSP   | Sher-1178      |
| Lamiaceae | <i>Pycnanthemum flexuosum</i> (Walter) BSP   | Sher-1180      |
| Lamiaceae | <i>Pycnanthemum flexuosum</i> (Walter) BSP   | 00087457V      |
| Lamiaceae | <i>Pycnanthemum flexuosum</i> (Walter) BSP   | 00087481S      |
| Lamiaceae | <i>Pycnanthemum flexuosum</i> (Walter) BSP   | 00087493V      |
| Lamiaceae | <i>Pycnanthemum flexuosum</i> (Walter) BSP   | H.S. 212 f.55  |
| Lamiaceae | <i>Pycnanthemum pycnanthemoides</i> (Leavenworth)<br>Fernald                             | 00087505P      |
| Lamiaceae | <i>Pycnanthemum pycnanthemoides</i> (Leavenworth)<br>Fernald var. <i>pycnanthemoides</i> | H.S. 212 f.26  |
| Lamiaceae | <i>Salvia lyrata</i> L.  | H.S. 212 f.22  |
| Lamiaceae | <i>Salvia lyrata</i> L.  | H.S. 212 f.62  |
| Lamiaceae | <i>Salvia urticifolia</i> L.   | 00087485W      |
| Lamiaceae | <i>Scutellaria elliptica</i> Muhl. ex Spreng.  | H.S. 212 f.27  |
| Lamiaceae | <i>Scutellaria elliptica</i> Muhl. ex Spreng.  | Sher-1205      |
| Lamiaceae | <i>Scutellaria integrifolia</i> L.   | 00087465U      |
| Lamiaceae | <i>Scutellaria integrifolia</i> L.   | 00087469Y      |
| Lamiaceae | <i>Stachys hispida</i> Pursh   | Sher-1164      |
| Lamiaceae | <i>Stachys hispida</i> Pursh   | Sher-1165      |
| Lamiaceae | <i>Stachys hispida</i> Pursh   | 00087453R      |
| Lamiaceae | <i>Stachys</i> indet., most likely <i>Stachys nuttalli</i><br>Shuttleworth ex Bemtham    | H.S. 212 f.29  |
| Lamiaceae | <i>Stachys</i> indet., most likely <i>Stachys nuttalli</i><br>Shuttleworth ex Bemtham    | 00087489-      |
| Lamiaceae | <i>Teucrium canadense</i> L.   | Sher-1152      |
| Lamiaceae | <i>Teucrium canadense</i> L.   | H.S. 232 f.37  |
| Lamiaceae | <i>Trichostema dichotomum</i> L.   | Sher-1187      |
| Lamiaceae | <i>Trichostema dichotomum</i> L.   | Sher-1204      |

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| Lamiaceae        | <i>Trichostema dichotomum</i> L.                                     | H.S. 212 f.74  |
| Lentibulariaceae | <i>Pinguicula caerulea</i> Walter                                    | Sher-0021      |
| Lentibulariaceae | <i>Utricularia subulata</i> L.                                       | Sher-0022      |
| Loganiaceae      | <i>Spigelia marilandica</i> (L.) L.                                  | 00087183R      |
| Loganiaceae      | <i>Spigelia marilandica</i> (L.) L.                                  | 00087423O      |
| Loganiaceae      | <i>Spigelia marilandica</i> (L.) L.                                  | H.S. 212 f.33  |
| Malvaceae        | <i>Hibiscus aculeatus</i> Walter                                     | 00087272Q      |
| Malvaceae        | <i>Hibiscus aculeatus</i> Walter                                     | Sher-sn-b      |
| Malvaceae        | <i>Hibiscus moscheutos</i> L.  | H.S. 232 f.109 |
| Malvaceae        | <i>Kosteletzkya pentacarpos</i> (L.) Ledebour                        | 00087280P      |
| Malvaceae        | <i>Kosteletzkya pentacarpos</i> (L.) Ledebour                        | H.S. 212 f.92  |
| Malvaceae        | <i>Modiola caroliniana</i> (L.) G. Don                               | Sher-sn-d      |
| Malvaceae        | <i>Modiola caroliniana</i> (L.) G. Don                               | Hort-004-004   |
| Malvaceae        | <i>Modiola caroliniana</i> (L.) G. Don                               | 00087276U      |
| Malvaceae        | <i>Sida rhombifolia</i> L.   | 00095695Y      |
| Malvaceae        | <i>Sida rhombifolia</i> L.   | H.S. 212 f.51  |
| Malvaceae        | <i>Sida rhombifolia</i> L.   | H.S. 212 f.50  |
| Malvaceae        | <i>Tilia americana</i> L.  | 00087235P      |
| Malvaceae        | <i>Tilia americana</i> L.  | 00087260N      |
| Malvaceae        | <i>Tilia americana</i> L.  | Sher-1096      |
| Malvaceae        | <i>Tilia americana</i> L.  | 00087256S      |
| Malvaceae        | <i>Tilia americana</i> L. var. <i>heterophylla</i> (Vent.)<br>Louden | H.S. 212 f.69  |
| Melastomataceae  | <i>Rhexia alifanus</i> Walter  | 00087350N      |
| Melastomataceae  | <i>Rhexia alifanus</i> Walter  | Sher-0769      |
| Melastomataceae  | <i>Rhexia alifanus</i> Walter  | Sher-0769-3    |
| Melastomataceae  | <i>Rhexia alifanus</i> Walter  | H.S. 212 f.43  |
| Melastomataceae  | <i>Rhexia alifanus</i> Walter  | H.S. 232 f.110 |
| Melastomataceae  | <i>Rhexia nashii</i> Small   | 00087187V      |
| Melastomataceae  | <i>Rhexia nashii</i> Small   | Sher-0770      |
| Melastomataceae  | <i>Rhexia virginica</i> L.   | H.S. 232 f.134 |
| Menispermaceae   | <i>Cocculus carolinus</i> (L.) DC                                    | Hort-178-219b  |
| Menispermaceae   | <i>Cocculus carolinus</i> (L.) DC                                    | H.S. 212 f.95  |
| Menispermaceae   | <i>Cocculus carolinus</i> (L.) DC                                    | H.S. 232 f.104 |
| Menispermaceae   | <i>Cocculus carolinus</i> (L.) DC                                    | H.S. 232 f.41  |
| Menispermaceae   | <i>Menispermum canadense</i> L.                                      | 00087198X      |
| Menispermaceae   | <i>Menispermum canadense</i> L.                                      | H.S. 212 f.21  |
| Menyanthaceae    | <i>Nymphoides aquatica</i> (Walter ex J.F. Gmelin)<br>Kuntze         | 00087311K      |
| Moraceae         | <i>Morus rubra</i> L.  | Sher-2078      |
| Moraceae         | <i>Morus rubra</i> L.  | 00087206N      |
| Moraceae         | <i>Morus rubra</i> L.  | H.S. 232 f.92  |
| Myricaceae       | <i>Morella caroliniensis</i> (P. Miller) Small                       | 00095807T      |
| Nelumbonaceae    | <i>Nelumbo lutea</i> Willdenow                                       | Sher-1090      |
| Nelumbonaceae    | <i>Nelumbo lutea</i> Willdenow                                       | 00087310J      |
| Nyctaginaceae    | <i>Boerhavia erecta</i> L.   | 00087433P      |
| Nyssaceae        | <i>Nyssa aquatica</i> L.   | Sher-2306      |
| Nyssaceae        | <i>Nyssa aquatica</i> L.   | H.S. 232 f.52  |
| Nyssaceae        | <i>Nyssa aquatica</i> L.   | H.S. 212 f.67  |
| Nyssaceae        | <i>Nyssa biflora</i> Walter  | Sher-2305      |
| Nyssaceae        | <i>Nyssa sylvatica</i> Marshall                                      | 00087194T      |

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| Nyssaceae      | <i>Nyssa sylvatica</i> Marshall   | H.S. 212 f.77  |
| Nyssaceae      | <i>Nyssa</i> sp.  | 00087236Q      |
| Nyssaceae      | <i>Nyssa</i> sp.  | H.S. 212 f.3   |
| Oleaceae       | <i>Fraxinus pennsylvanica</i> Marsh.  | H.S. 212 f.11  |
| Oleaceae       | <i>Fraxinus pennsylvanica</i> Marsh.  | 00087244P      |
| Oleaceae       | <i>Osmanthus americanus</i> (L.) Benth. & Hook. f. ex<br>A. Gray                | H.S. 212 f.22  |
| Onagraceae     | <i>Ludwigia alternifolia</i> L.   | Sher-0292      |
| Onagraceae     | <i>Ludwigia alternifolia</i> L.   | 00087199Y      |
| Onagraceae     | <i>Ludwigia pilosa</i> Walter   | Sher-0293      |
| Onagraceae     | <i>Ludwigia pilosa</i> Walter   | H.S. 212 f.47  |
| Onagraceae     | <i>Ludwigia pilosa</i> Walter   | H.S. 212 f.52  |
| Onagraceae     | <i>Ludwigia</i> sp.   | 00087237R      |
| Onagraceae     | <i>Ludwigia virgata</i> Michx.  | H.S. 212 f.52  |
| Onagraceae     | <i>Oenothera filipes</i> (Spach) W. L. Wagner & Hoch                            | Sher-0785      |
| Onagraceae     | <i>Oenothera filipes</i> (Spach) W. L. Wagner & Hoch                            | H.S. 232 f.44  |
| Onagraceae     | <i>Oenothera filipes</i> (Spach) W. L. Wagner & Hoch                            | H.S. 232 f.115 |
| Onagraceae     | <i>Oenothera fruticosa</i> L.   | 00087346S      |
| Onagraceae     | <i>Oenothera fruticosa</i> L.   | Sher-0773      |
| Onagraceae     | <i>Oenothera laciniata</i> Hill   | Sher-0780      |
| Onagraceae     | <i>Oenothera laciniata</i> Hill   | 00095728V      |
| Onagraceae     | <i>Oenothera simulans</i> (Small) W.L. Wagner &<br>Hoch                         | Sher-0790      |
| Orobanchaceae  | <i>Agalinis fasciculata</i> (Elliott) Raf.                                      | Sher-1243      |
| Orobanchaceae  | <i>Agalinis purpurea</i> (L.) Pennell   | H.S. 212 f.73  |
| Orobanchaceae  | <i>Agalinis setacea</i> (J.F. Gmelin) Raf.                                      | Sher-1243      |
| Orobanchaceae  | <i>Aureolaria pedicularia</i> (L.) Raf.   | Sher-1230      |
| Orobanchaceae  | <i>Aureolaria virginica</i> (L.) Pennell  | Sher-1229      |
| Orobanchaceae  | <i>Aureolaria virginica</i> (L.) Pennell  | Sher-1238      |
| Orobanchaceae  | <i>Epifagus virginiana</i> (L.) W. Barton                                       | 00087202J      |
| Orobanchaceae  | <i>Epifagus virginiana</i> (L.) W. Barton                                       | H.S. 232 f.99  |
| Orobanchaceae  | <i>Pedicularis canadensis</i> L.  | H.S. 232 f.78  |
| Orobanchaceae  | <i>Pedicularis canadensis</i> L.  | H.S. 212 f.19  |
| Orobanchaceae  | <i>Pedicularis canadensis</i> L.  | H.S. 212 f.19  |
| Orobanchaceae  | <i>Seymeria cassioides</i> (J.F. Gmel.) Blake                                   | H.S. 212 f.72  |
| Orobanchaceae  | <i>Seymeria cassioides</i> (J.F. Gmel.) Blake                                   | H.S. 212 f.73  |
| Orobanchaceae  | <i>Seymeria cassioides</i> (J.F. Gmel.) Blake                                   | Sher-1234-2    |
| Orobanchaceae  | <i>Seymeria pectinata</i> Pursh   | Sher-1233      |
| Orobanchaceae  | <i>Seymeria pectinata</i> Pursh   | H.S. 232 f.126 |
| Orobanchaceae  | <i>Seymeria pectinata</i> Pursh   | 00087532P      |
| Oxalidaceae    | <i>Oxalis florida</i> Salisbury   | Sher-0927      |
| Oxalidaceae    | <i>Oxalis florida</i> Salisbury   | 00087275T      |
| Penthoraceae   | <i>Penthorum sedoides</i> L.  | 00087221K      |
| Phrymaceae     | <i>Phryma leptostachya</i> L.   | 00095701M      |
| Plantaginaceae | <i>Bacopa monnieri</i> (L.) Wettstein   | H.S. 212 f.47  |
| Plantaginaceae | <i>Bacopa monnieri</i> (L.) Wettstein   | 00087536T      |
| Plantaginaceae | <i>Bacopa monnieri</i> (L.) Wettstein   | Sher-0019      |
| Plantaginaceae | <i>Nuttallanthus canadensis</i> (L.) D.A. Sutton =<br><i>Linaria canadensis</i> | Sher-1244      |
| Plantaginaceae | <i>Penstemon australis</i> Small  | Sher-1240      |
| Plantaginaceae | <i>Penstemon laevigatus</i> Aiton   | Sher-1242      |

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| Plantaginaceae | <i>Penstemon laevigatus</i> Aiton          | 00087524Q      |
| Plantaginaceae | <i>Plantago virginica</i> L.               | Sher-0223      |
| Plantaginaceae | <i>Plantago virginica</i> L.               | 00087429U      |
| Platanaceae    | <i>Platanus occidentalis</i> L.            | 00087196V      |
| Platanaceae    | <i>Platanus occidentalis</i> L.            | 00095684W      |
| Platanaceae    | <i>Platanus occidentalis</i> L.            | 00095688-      |
| Platanaceae    | <i>Platanus occidentalis</i> L.            | 00095699       |
| Platanaceae    | <i>Platanus occidentalis</i> L.            | 00095707S      |
| Platanaceae    | <i>Platanus occidentalis</i> L.            | H.S. 212 f.68  |
| Podostemaceae  | <i>Podostemum ceratophyllum</i> Michx.     | H.S. 212 f.41  |
| Polemoniaceae  | <i>Ipomopsis rubra</i> (L.) Wherry         | 00087548W      |
| Polemoniaceae  | <i>Ipomopsis rubra</i> (L.) Wherry         | H.S. 232 f.131 |
| Polemoniaceae  | <i>Phlox amoena</i> Sims                   | Sher-0300-2    |
| Polemoniaceae  | <i>Phlox amoena</i> Sims                   | Sher-0300      |
| Polemoniaceae  | <i>Phlox amoena</i> Sims                   | H.S. 212 f.62  |
| Polemoniaceae  | <i>Phlox maculata</i> L.                   | Sher-0304      |
| Polemoniaceae  | <i>Phlox pilosa</i> L.                     | Sher-0306      |
| Polygalaceae   | <i>Polygala cruciata</i> L.                | 00095690T      |
| Polygalaceae   | <i>Polygala cruciata</i> L.                | Sher-1433      |
| Polygalaceae   | <i>Polygala cruciata</i> L.                | H.S. 212 f.21  |
| Polygalaceae   | <i>Polygala grandiflora</i> Walter         | H.S. 232 f.30  |
| Polygalaceae   | <i>Polygala lutea</i> L.                   | 00087300I      |
| Polygalaceae   | <i>Polygala lutea</i> L.                   | Sher-1434      |
| Polygalaceae   | <i>Polygala lutea</i> L.                   | H.S. 212 f.49  |
| Polygalaceae   | <i>Polygala lutea</i> L.                   | H.S. 212 f.59  |
| Polygalaceae   | <i>Polygala lutea</i> L.                   | H.S. 232 f.118 |
| Polygalaceae   | <i>Polygala mariana</i> P. Miller          | H.S. 232 f.124 |
| Polygalaceae   | <i>Polygala polygama</i> Walter            | Sher-1429      |
| Polygalaceae   | <i>Polygala polygama</i> Walter            | 00087304M      |
| Polygalaceae   | <i>Polygala polygama</i> Walter            | 00087308Q      |
| Polygalaceae   | <i>Polygala polygama</i> Walter            | H.S. 212 f.31  |
| Polygalaceae   | <i>Polygala polygama</i> Walter            | H.S. 232 f.68  |
| Polygalaceae   | <i>Polygala ramosa</i> Elliott             | 00087195U      |
| Polygalaceae   | <i>Polygala ramosa</i> Elliott             | 00087241M      |
| Polygalaceae   | <i>Polygala ramosa</i> Elliott             | 00087504O      |
| Polygalaceae   | <i>Polygala ramosa</i> Elliott             | H.S. 212 f.58b |
| Polygonaceae   | <i>Brunnichia ovata</i> (Walter) Shinnars  | Sher-0908X     |
| Polygonaceae   | <i>Brunnichia ovata</i> (Walter) Shinnars  | H.S. 232 f.101 |
| Polygonaceae   | <i>Eriogonum tomentosum</i> Michx.         | H.S. 232 f.43  |
| Polygonaceae   | <i>Eriogonum tomentosum</i> Michx.         | 00087417R      |
| Polygonaceae   | <i>Eriogonum tomentosum</i> Michx.         | 00087421M      |
| Polygonaceae   | <i>Eriogonum tomentosum</i> Michx.         | 00087425Q      |
| Polygonaceae   | <i>Indet.</i>                              | 00095686Y      |
| Polygonaceae   | <i>Persicaria virginiana</i> (L.) Gaertner | H.S. 232 f.39  |
| Primulaceae    | <i>Lysimachia ciliata</i> L.               | Sher-0287-4    |
| Primulaceae    | <i>Lysimachia ciliata</i> L.               | 00087418S      |
| Primulaceae    | <i>Lysimachia ciliata</i> L.               | H.S. 212 f.37  |
| Primulaceae    | <i>Lysimachia fraseri</i> Duby             | Sher-0288      |
| Primulaceae    | <i>Lysimachia fraseri</i> Duby             | type           |
| Primulaceae    | <i>Lysimachia fraseri</i> Duby             | 00087438U      |
| Primulaceae    | <i>Lysimachia fraseri</i> Duby             | H.S. 212 f.36  |

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| Primulaceae   | <i>Lysimachia quadrifolia</i> L.                 | 00087434Q      |
| Primulaceae   | <i>Lysimachia quadrifolia</i> L.                 | H.S. 212 f.18  |
| Ranunculaceae | <i>Actaea racemosa</i> L.                        | H.S. 232 f.61  |
| Ranunculaceae | <i>Clematis catesbyana</i> Pursh                 | 00087213L      |
| Ranunculaceae | <i>Clematis catesbyana</i> Pursh                 | holotype       |
| Ranunculaceae | <i>Clematis catesbyana</i> Pursh                 | Sher-1135-3    |
| Ranunculaceae | <i>Clematis crispa</i> L.                        | Sher-1132      |
| Ranunculaceae | <i>Clematis crispa</i> L.                        | H.S. 232 f.122 |
| Ranunculaceae | <i>Clematis ochroleuca</i> Aiton                 | Sher-1140      |
| Ranunculaceae | <i>Clematis viorna</i> L.                        | H.S. 212 f.63  |
| Ranunculaceae | <i>Delphinium carolinianum</i> Walter            | Sher-1107      |
| Ranunculaceae | <i>Delphinium carolinianum</i> Walter            | H.S. 212 f.59  |
| Ranunculaceae | <i>Thalictrum revolutum</i> DC                   | H.S. 212 f.29  |
| Ranunculaceae | <i>Trautvetteria caroliniensis</i> (Walter) Vail | Sher-1111      |
| Ranunculaceae | <i>Trautvetteria caroliniensis</i> (Walter) Vail | H.S. 212 f.56  |
| Rhamnaceae    | <i>Berchemia scandens</i> (Hill) K. Koch         | H.S. 232 f.61  |
| Rhamnaceae    | <i>Ceanothus americanus</i> L.                   | H.S. 232 f.68  |
| Rhamnaceae    | <i>Ceanothus americanus</i> L.                   | 00087435R      |
| Rhamnaceae    | <i>Ceanothus americanus</i> L.                   | 00087445S      |
| Rhamnaceae    | <i>Ceanothus americanus</i> L.                   | H.S. 212 f.35  |
| Rhamnaceae    | <i>Ceanothus americanus</i> L.                   | H.S. 212 f.76  |
| Rosaceae      | <i>Geum canadense</i> Jacq.                      | H.S. 212 f.56  |
| Rosaceae      | <i>Geum canadense</i> Jacq.                      | H.S. 232 f.125 |
| Rosaceae      | <i>Geum canadense</i> Jacq.                      | Sher-1662      |
| Rosaceae      | <i>Indet.</i>                                    | 00087207O      |
| Rosaceae      | <i>Prunus caroliniana</i> (P. Miller) Aiton      | Sher-1005      |
| Rosaceae      | <i>Prunus caroliniana</i> (P. Miller) Aiton      | Sher-2535      |
| Rosaceae      | <i>Prunus caroliniana</i> (P. Miller) Aiton      | H.S. 212 f.12  |
| Rosaceae      | <i>Prunus umbellata</i> Elliott                  | H.S. 212 f.15  |
| Rosaceae      | <i>Rubus pensilvanicus</i> Poirét                | H.S. 212 f.23  |
| Rosaceae      | <i>Rubus trivialis</i> Michx.                    | 00087440N      |
| Rubiaceae     | <i>Cephalanthus occidentalis</i> L.              | 00087217P      |
| Rubiaceae     | <i>Cephalanthus occidentalis</i> L.              | H.S. 232 f.59  |
| Rutaceae      | <i>Ptelea trifoliata</i> L.                      | 00087228R      |
| Rutaceae      | <i>Ptelea trifoliata</i> L.                      | 00087234O      |
| Rutaceae      | <i>Ptelea trifoliata</i> L.                      | 00087252O      |
| Rutaceae      | <i>Ptelea trifoliata</i> L.                      | H.S. 232 f.86  |
| Rutaceae      | <i>Ptelea trifoliata</i> L.                      | H.S. 232 f.53  |
| Rutaceae      | <i>Ptelea trifoliata</i> L.                      | H.S. 212 f.66  |
| Salicaceae    | <i>Populus deltoides</i> Bartram ex Marsh.       | H.S. 212 f.11  |
| Salicaceae    | <i>Populus deltoides</i> Bartram ex Marsh.       | 00087475V      |
| Salicaceae    | <i>Populus deltoides</i> Bartram ex Marsh.       | 00087479Z      |
| Salicaceae    | <i>Populus deltoides</i> Bartram ex Marsh.       | 00087483U      |
| Salicaceae    | <i>Populus heterophylla</i> L.                   | Sher-2234      |
| Salicaceae    | <i>Populus heterophylla</i> L.                   | H.S. 232 f.52  |
| Sapindaceae   | <i>Acer negundo</i> L.                           | 00087397Y      |
| Sapindaceae   | <i>Acer negundo</i> L.                           | 00087406P      |
| Sapindaceae   | <i>Acer negundo</i> L.                           | H.S. 212 f.12  |
| Sapindaceae   | <i>Acer rubrum</i> L.                            | 00087414O      |
| Sapindaceae   | <i>Acer rubrum</i> L.                            | 00087410K      |
| Sapindaceae   | <i>Acer rubrum</i> L. var. <i>rubrum</i>         | H.S. 232 f.32  |

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| Sapindaceae      | <i>Acer saccharinum</i> L.   | 00087410K      |
| Sapindaceae      | <i>Acer saccharinum</i> L.   | Sher-2255      |
| Sapindaceae      | <i>Acer saccharinum</i> L.   | 00087402L      |
| Sapindaceae      | <i>Acer saccharinum</i> L.   | H.S. 212 f.14  |
| Sapotaceae       | <i>Sideroxylon tenax</i> L.  | 00087193S      |
| Sarraceniaceae   | <i>Sarracenia minor</i> Walter   | Sher-1086      |
| Sarraceniaceae   | <i>Sarracenia minor</i> Walter   | Sher-1086-3    |
| Sarraceniaceae   | <i>Sarracenia minor</i> Walter   | 00087312L      |
| Sarraceniaceae   | <i>Sarracenia minor</i> Walter   | H.S. 212 f.21  |
| Sarraceniaceae   | <i>Sarracenia minor</i> Walter   | H.S. 212 f.45  |
| Sarraceniaceae   | <i>Sarracenia minor</i> Walter   | H.S. 212 f.47  |
| Sarraceniaceae   | <i>Sarracenia rubra</i> Walter   | Sher-1087      |
| Sarraceniaceae   | <i>Sarracenia rubra</i> Walter   | H.S. 212 f.20  |
| Solanaceae       | <i>Physalis viscosa</i>  | Sher-0423      |
| Solanaceae       | <i>Physalis angulata</i> L.  | H.S. 212 f.46  |
| Solanaceae       | <i>Physalis</i> sp.  | Hort-012-012b  |
| Solanaceae       | <i>Physalis</i> sp.  | 00087452Q      |
| Solanaceae       | <i>Physalis</i> sp.  | 00087456U      |
| Solanaceae       | <i>Solanum carolinense</i> L.  | 00087520M      |
| Styracaceae      | <i>Halesia tetraptera</i> Ellis  | 00095698       |
| Styracaceae      | <i>Halesia tetraptera</i> Ellis  | Sher-2535-1    |
| Styracaceae      | <i>Styrax americanus</i> Lam.  | 00087211J      |
| Styracaceae      | <i>Styrax americanus</i> Lam.  | Sher-sn-h      |
| Styracaceae      | <i>Styrax americanus</i> Lam.  | H.S. 212 f.16  |
| Styracaceae      | <i>Styrax grandifolius</i> Aiton   | Sher-0945      |
| Tetrachondraceae | <i>Polyprenum procumbens</i> L.  | H.S. 232 f.136 |
| Theaceae         | <i>Gordonia lasianthus</i> (L.) Ellis  | Sher-1583      |
| Theaceae         | <i>Gordonia lasianthus</i> (L.) Ellis  | 00087197W      |
| Theaceae         | <i>Gordonia lasianthus</i> (L.) Ellis  | 00087177U      |
| Theaceae         | <i>Gordonia lasianthus</i> (L.) Ellis  | 00087179W      |
| Theaceae         | <i>Gordonia lasianthus</i> (L.) Ellis  | 00087229S      |
| Theaceae         | <i>Gordonia lasianthus</i> (L.) Ellis  | Sher-1583-3    |
| Theaceae         | <i>Gordonia lasianthus</i> (L.) Ellis  | H.S. 212 f.13  |
| Theaceae         | <i>Gordonia lasianthus</i> (L.) Ellis  | H.S. 232 f.50  |
| Ulmaceae         | <i>Ulmus rubra</i> Muhl.   | Sher-0604      |
| Ulmaceae         | <i>Ulmus rubra</i> Muhl.   | H.S. 212 f.70  |
| Ulmaceae         | <i>Ulmus</i> sp.   | 00095702N      |
| Urticaceae       | <i>Laportea canadensis</i> (L.) Weddell  | H.S. 232 f.71  |
| Verbenaceae      | <i>Glandularia canadensis</i> (L.) Nutt  | H.S. 212 f.58a |
| Verbenaceae      | <i>Glandularia canadensis</i> (L.) Nutt  | H.S. 212 f.22  |
| Verbenaceae      | <i>Glandularia canadensis</i> (L.) Nutt  | 00095692V      |
| Verbenaceae      | <i>Phyla nodiflora</i> (L.) Greene   | Sher-0029      |
| Verbenaceae      | <i>Phyla nodiflora</i> (L.) Greene   | 00087476W      |
| Verbenaceae      | <i>Phyla nodiflora</i> (L.) Greene   | H.S. 212 f.93  |
| Violaceae        | <i>Viola lanceolata</i> L. var. <i>vittata</i> (Greene)<br>Weatherby & Griscom | Sher-0384      |
| Violaceae        | <i>Viola lanceolata</i> L. var. <i>vittata</i> (Greene)<br>Weatherby & Griscom | 00087302K      |
| Violaceae        | <i>Viola lanceolata</i> L. var. <i>vittata</i> (Greene)<br>Weatherby & Griscom | H.S. 212 f.34  |
| Violaceae        | <i>Viola sororia</i> Willd.  | H.S. 212 f.59  |

|          |                                       |               |
|----------|---------------------------------------|---------------|
| Vitaceae | <i>Ampelopsis arborea</i> (L.) Koehne | H.S. 232 f.59 |
| Vitaceae | <i>Vitis aestivalis</i> Michx.        | H.S. 232 f.87 |
| Vitaceae | <i>Vitis aestivalis</i> Michx.        | Sher-0524-2   |
| Vitaceae | <i>Vitis rotundifolia</i> Michx.      | Sher-0527     |

## DISCUSSION

This list gives us a more complete picture of the plants that were growing in South Carolina in the 1720s and more insight into Catesby's thoughts and actions. We have found another endangered species, an interesting *Robinia*, and a number of species that are not thought to be native to the Carolinas.

## Endangered Species

### *Habenaria*

*Habenaria quinqueseta* (Michx.) A. Eaton, Sher-2009, is an orchid known as long-horned *Habenaria* or Michaux's Orchid. This orchid is known from wet pine flatwoods, most hardwood hammocks, Altamaha Grit outcrops and ditches from South Carolina south to Florida. McMillan believes that this species may now be extinct in South Carolina. He found a specimen at Webb Center in 1995, but since that time has never been able to relocate it. The Flora of the Southeast of the UNC Herbarium reports one specimen from Hampton County and other data sources from Beaufort, Charleston, and Berkeley Counties. ("US Southeast Flora Atlas" 2013) This species has an uncertain status in the state endangered species listing, where it is listed as a species of concern. ("DNR South Carolina Rare, Threatened & Endangered Species Inventory" 2013)

### *Robinia*

Specimens of what we believe to be *Robinia hartwigii* Koehne, Granite Dome Locust, are on 00087400J, Sher-1516, and 00087396X. The branches of specimen 00087396X are hairy. They are dirty so the specimens were probably sticky. It is difficult to tell the *Robinia* species apart, but *R. hartwigii* is known from mountains of SC. McMillan and Robert McCartney recently found a colony of them in Aiken county on a site that is now an office park. The plant may no longer be extant in SC.

Catesby drew *Robinia* with a buffalo and described the animals' interactions with the plant:

App. 20. Bison Americanus.

This beast I have already described in the Account of Beasts, p. 27, but having then by me only a sketch of the Animal, which I thought not sufficient to make a true figure from, I have since been enabled to exhibit a perfect likeness of this awful Creature.

Pseudo Acacia hispida floribus roseis.

The flowers and leaves differ little in their shape from the Pseudo Acacia flore albo. The stalks and larger branches are thick set with prickly hairs, and with sharp spines placed alternately. The flowers, which are papilionaceous are of a faint purple or rose-colour, and of a fragrant smell. I never saw any of these trees but at one place near the Apalatchian mountains, where Bufellos had left their dung; and some of the trees had their branches pulled down, from which I conjecture they had been browsing on the leaves. What with the bright verdure of the leaves, and the beauty of its flowers, few trees make a more elegant appearance. I visited them again at the proper time to get some seeds, but the ravaging Indians had burn'd the woods many miles round, and totally destroyed them, to my great disappointment; so that all I was able to procure of this specious tree was some Specimens of it which remain in the Hortus siccus of Sir H. Sloane, and that of Professor Dillenius at Oxford. But since I am informed that a plant of this tree has been introduced from America by Sir John Colliton, Bart. To his Gardens at Exmouth in Devonshire.

The plant in these collections might be his buffalo specimen. If this is the case, this is further evidence that Catesby's route took him through the Aiken region.

### Introduced species in Catesby's collections

Weakley (2011) has identified the following species as introduced or possibly introduced to the Carolinas:

|  |  |
|--|--|
| <i>Croton glandulosus</i> L. var. <i>septentrionalis</i> Müller of Aargau          | Sher-2069                                  |
| <i>Digitaria sanguinalis</i> (L.) Scopoli  | Sher-0125                                  |
| <i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants                             | 00087426R                                  |
| <i>Echinochloa crusgalli</i> (L.) Palisot de Beauvois                              | 00087523P                                  |
| <i>Eleusine indica</i> (L.) Gaertn.  | H.S. 212 f.85, 00087562S                   |
| <i>Eragrostis cilianensis</i> (Allioni) Vignolo ex Janchen                         | 00087570R                                  |
| <i>Gaillardia pulchella</i> Fougereux var. <i>pulchella</i>                        | 00087294U, Sher-1957                       |
| <i>Hackelochloa granularis</i> (L.) Kuntze   | 00087527T                                  |
| <i>Helianthus debilis</i> Nuttall  | Sher-1944-2                                |
| <i>Indigofera tinctoria</i> L.   | H.S. 232 f.106                             |
| <i>Ipomoea coccinea</i> L.   | H.S. 232 f.61                              |
| <i>Jacquemontia tamnifolia</i> (L.) Grisebach                                      | 00087560Q, Sher-0359                       |
| <i>Modiola caroliniana</i> (L.) G. Don   | 00087276U, Hort-004-004                    |
| <i>Momordica charantia</i> L.  | Sher-2195                                  |
| <i>Nepeta cataria</i> L.   | 00087449W                                  |
| <i>Prunella vulgaris</i> L.  | 00087454S                                  |
| <i>Setaria pumila</i> (Poir.) Roemer & Schultes                                    | Sher-0116                                  |
| <i>Senna occidentalis</i> (L.) Link  | H.S. 212 f.1, H.S. 212 f.81                |
| <i>Sida rhombifolia</i> L.   | 00095695Y, H.S. 212 f.51,<br>H.S. 212 f.50 |
| <i>Stokesia laevis</i> (Hill) Greene   | Sher-1641                                  |
| <i>Tarenaya hassleriana</i> (Chodat) H.H. Iltis = <i>Cleome hassleriana</i> Chodat | 00087297X                                  |

The presence of particular taxa in Catesby's collections may or may not be significant. It is impossible to know where he collected his specimens or the conditions in which they were growing. He certainly could have gathered plants from cultivated gardens. But it is also possible that some of the introduced plants he collected had already escaped from cultivation. It is also true that we do not know for certain that the plants in the herbaria were collected in Carolina; even the ones with handwritten notes claiming South Carolina provenance might have in fact been collected elsewhere. What we can say, however, is that the presence of these taxa in Catesby's collections strongly suggests that these plants were growing in South Carolina or possibly Georgia in the 1720s.

Charleston, South Carolina, was founded in 1670 and by 1690 had become one of the five largest cities in the colonies. It was a major port and a hub of trade between the American colonies and the Atlantic. Ships arrived in Charleston from many locations. Ships arriving from Africa brought slaves. Ships from England and the rest of Europe brought settlers and manufactured goods. Ships from the Caribbean and South America would also have stopped in at Charleston.

Catesby visited Carolina in the period between creation of the crown colony of Carolina in 1719 and the separation of South Carolina from North Carolina in 1729. He arrived fifty years after Charleston was established and after decades of transit and trade had moved around myriad plants and animals.

Some of the species in this list have unclear native ranges, with original distributions in the Americas or the Southeast, but uncertain distributions. These include *Dysphania ambrosioides* (L.) Mosyakin & Clemants (00087426R), *Gaillardia pulchella* Fougereux var. *pulchella* (00087294U, Sher-1957), *Ipomoea coccinea* L. (H.S. 232 f.61), *Croton glandulosus* L. var. *septentrionalis* Müller of Aargau (Sher-2069). *Modiola caroliniana* (L.) G. Don (00087276U and Hort-004-004), may have been introduced into the southeastern United States, though some scholars believe it is native to South Carolina. Catesby could have collected *Helianthus debilis* Nuttall (Sher-1944-2) in Georgia or Florida, within its known native range.

Though *Stokesia laevis* (Hill) Greene is known to be naturalized from cultivation at least in North Carolina, Weakley believes that it was most likely native to South Carolina. Gene Everett (College of Charleston) has recently found the plant growing in a natural state in pine savannah in the Francis Marion National Forest. Based on Catesby's collection and this recent rediscovery, *Stokesia laevis* should be presumed to native to South Carolina.

*Senna occidentalis* (L.) Link (H.S. 212 f.1, H.S. 212 f.81) is a native of the Old World tropics, though it is now pantropical. *Sida rhombifolia* L. (00095695Y, H.S. 212 f.51, H.S. 212 f.50) is thought to be introduced from New World tropics.

Several introduced Old World grasses appear in Catesby's collection. These include *Digitaria sanguinalis* (L.) Scopoli (Sher-0125), *Echinochloa crusgalli* (L.) Palisot de Beauvois (00087523P), *Eleusine indica* (L.) Gaertn. (H.S. 212 f.85, 00087562S), *Eragrostis cilianensis* (Allioni) Vignolo ex Janchen (00087570R), and *Hackelochloa granularis* (L.) Kuntze (00087527T). *Setaria pumila* (Poir.) Roemer & Schultes (Sher-0116) is an Old World native, now widespread in the Southeast. (Agnes Chase examined this specimen in the early 20<sup>th</sup> century; she identified the plants on this sheet as a mix of *Setaria parviflora* and *Chaetochloa lutescens*.) *Nepeta cataria* L. (00087449W) is catnip, a common garden herb native to Eurasia. It is easy to imagine a colonist bringing seeds from Europe to start an herb garden in Carolina.

Weakley writes that the original range of *Jacquemontia tamnifolia* (L.) Grisebach (00087560Q, Sher-0359) is difficult to determine. It is currently uncommon in SC, though it is found from southeast Virginia to Florida as well as in the West Indies, Central America, and South America. Weakley believes that it is adventive in the Carolinas, reporting the first collections of the species in NC in 1938 and 1950, from disturbed areas. The note on 00087560Q reads "Sent from South Carolina by Mr. Mark Catesby, anno 1723." The notations on Sher-0359 read "Convolvulus Carolinianus ... ??? and "Mr. Catesby S. Carolina 1723."

### Spiderflower

*Tarenaya hassleriana* (Chodat) H.H. Iltis (syn. *Cleome hassleriana* Chodat, 00087297X), is the spiderflower or spider plant commonly grown as an ornamental. The note on the bottom of the herbarium sheet reads "Sent from South Carolina by Mr. Mark Catesby." This species is native to South America. The Flora of North America describes it thus: "*Tarenaya hassleriana* is native to Argentina, Brazil, and Paraguay. It is often cultivated and has sometimes escaped and naturalized. In cultivation and various floras, it has long been treated under the name *Cleome spinosa*....." ("*Tarenaya Hassleriana*" 2013).

Did Catesby really find this plant in South Carolina? It is plausible; certainly there had been traffic between the cleome's native range and the Carolinas for decades by the time he visited. Cleome was apparently a favorite of Thomas Jefferson, who grew it in his gardens at Monticello; construction on the house began in 1768 and work on house and gardens continued for several decades. The plant is an aggressive self-seeder. ("Thomas Jefferson's Monticello" 2013)

### Balsam apple

*Momordica charantia* L., Sher-2195, commonly known as Balsam pear, balsam apple, bitter melon, and bitter gourd, is a tendrilled vine with deeply dissected leaves characteristic of the cucumber family, Cucurbitaceae. (The related species *Momordica balsamina*, also goes by some of those same common names.) The notes on the specimen page read: “Bryonia. Cucumis parvus Marianus, Bryonia alba foliis minoribus, polycarpus Pluk. Manu (?) 59” and “Mr. Catesby S. Carolina USA(?) from the upper part of the country.” This suggests that Catesby collected this plant some distance from the coast.

According to Weakley, the vines of the genus *Momordica* are native to the Old World tropics. *M. charantia* is a native of Africa. Weakley’s flora contains no distribution map for *M. charantia* (though it does for *M. balsamina*), and notes only that the species has been found recently in the Panhandle of Florida. The USDA Plants distribution map (USDA, NRCS 2013) does not record the occurrence of this species in South Carolina.

How could there have been *M. charantia* in South Carolina in 1723? Charleston, South Carolina, was founded in 1670 and was a major port, one of the points in North America where ships from Africa unloaded their cargoes of slaves and African plants. Could an African cucurbit make its way from Charleston to the “upper part of the country” by 1720? Was the plant in a settler’s garden? Did someone bring seeds from Europe?

*Momordica balsamina* was introduced into Europe by 1568 and widely used as a medicine (Griffith & Lombardi 2008). *Momordica* was a known garden plant by the early 1800s. Thomas Jefferson planted balsam apple, apparently *M. balsamina*, in his garden at Monticello in 1810 (“Thomas Jefferson’s Monticello” 2013). Balsam apples appear in 18<sup>th</sup> and 19<sup>th</sup> century American paintings. The Pope Brown Collection of South Carolina Natural History contains a depiction of either *Momordica balsamina* or *Momordica charantia*, painted ca. 1765-1775 – not so long after Catesby. The Metropolitan Museum of Art has an oil painting by James Peale of Maryland called “Still Life: Balsam Apple and Vegetables.” So *Momordica* definitely was growing on the East Coast between 1765 and 1820.

### Indigo

H.S. 232 f.106 contains a specimen of indigo, *Indigofera tinctoria* L. Indigo is the source of a blue dye that was in high demand in Europe during the colonial period. In principle, it should not be surprising to find indigo among specimens Catesby collected in Carolina. This plant was cultivated as an export crop on the Coastal Plain of Georgia and South Carolina in the 17<sup>th</sup> and 18<sup>th</sup> centuries. But Catesby’s specimen predates the widespread commercialization of this plant; South Carolina’s indigo industry did not emerge until about 1740.

The Lords Proprietors of Carolina began experimenting with indigo cultivation in the 1670s. The plants in these initial experimental gardens grew well, as the climate of coastal South Carolina proved ideal for growing the crop. By the 1690s, however, the indigo experiment had been largely abandoned as economically unviable; West Indian indigo was of higher quality at the time, and rice was a more profitable crop in the Carolinas. In the 1740s Carolina growers once again attempted to grow indigo – Eliza Lucas Pinckney is often credited with establishing the South Carolina indigo industry – and this time the crop was immensely profitable and a good supplement to rice culture. This was true despite the fact that Carolina indigo had a reputation for being of poor quality. Indigo’s profitability lasted only a few decades. By 1800, cotton had replaced it as the cash crop of choice (Coon 1976; Nash 2010).

Catesby's indigo specimen predates the establishment of the Carolina indigo industry by nearly twenty years. This plant may have been a remnant of earlier experiments by the first group of settlers, perhaps using seeds imported from Barbados or Jamaica. It is likely not related to Eliza Pinckney's later crops, which she grew from seeds her father sent her from the West Indies (Coon 1976).

### **Continuing Catesby's Work**

Mark Catesby is justifiably famous today, especially in South Carolina, where he has a number of avid fans. The Catesby Commemorative Trust ([www.catesbytrust.org](http://www.catesbytrust.org)), for example, exists to uphold the memory of Mark Catesby and his work. In November 2012, this Charleston-based organization held a week-long conference celebrating the third tercentennial of Catesby's arrival in Virginia in 1712 and celebrating his impact on the world. They brought in various speakers to describe Catesby's activities and the history surrounding him and traveled from Richmond to Washington, D.C., to Charleston to discuss Catesby's influences, art, science, and influence on natural history. A highlight of the event was the opportunity to view several first editions of the *Natural History*.

The *Natural History*, however, is not the sum of Catesby's work. Catesby's botanical illustrations are masterpieces of information technology and represented the state of the art in 18th-century scientific visualization. Through his color plates and printed publication, Catesby could disseminate his scientific observations to a wide audience. He could restore depth and color, texture and movement, juxtapose plants with the animals that eat them or nest in them, and paint environmental cues such as glimpses of ocean or stream. In so doing, he joined in a long tradition of botanical illustration that allowed for the creation of notional plants, including details that could never occur together in nature and thereby conveying a large amount of information in one image.

Catesby's dried plant specimens provide an equally valuable source of information, as herbarium specimens as vouchers and types remain the primary base of data in botanical taxonomy. Catesby and his herbarium curators created these specimens for an audience of scientists. The dried plants are real in a way that the painted illustrations can never be. There is no artistic license in adding or subtracting details; the only artistry involved is in the presentation of the objects on the page. Because of this enforced honesty, the dried specimens still contain details that botanists can use to distinguish between species, such as length of petioles or number of petals.

### **ACKNOWLEDGEMENTS**

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