

# **Annotated Checklist of the Vascular Plants of the Washington - Baltimore Area**

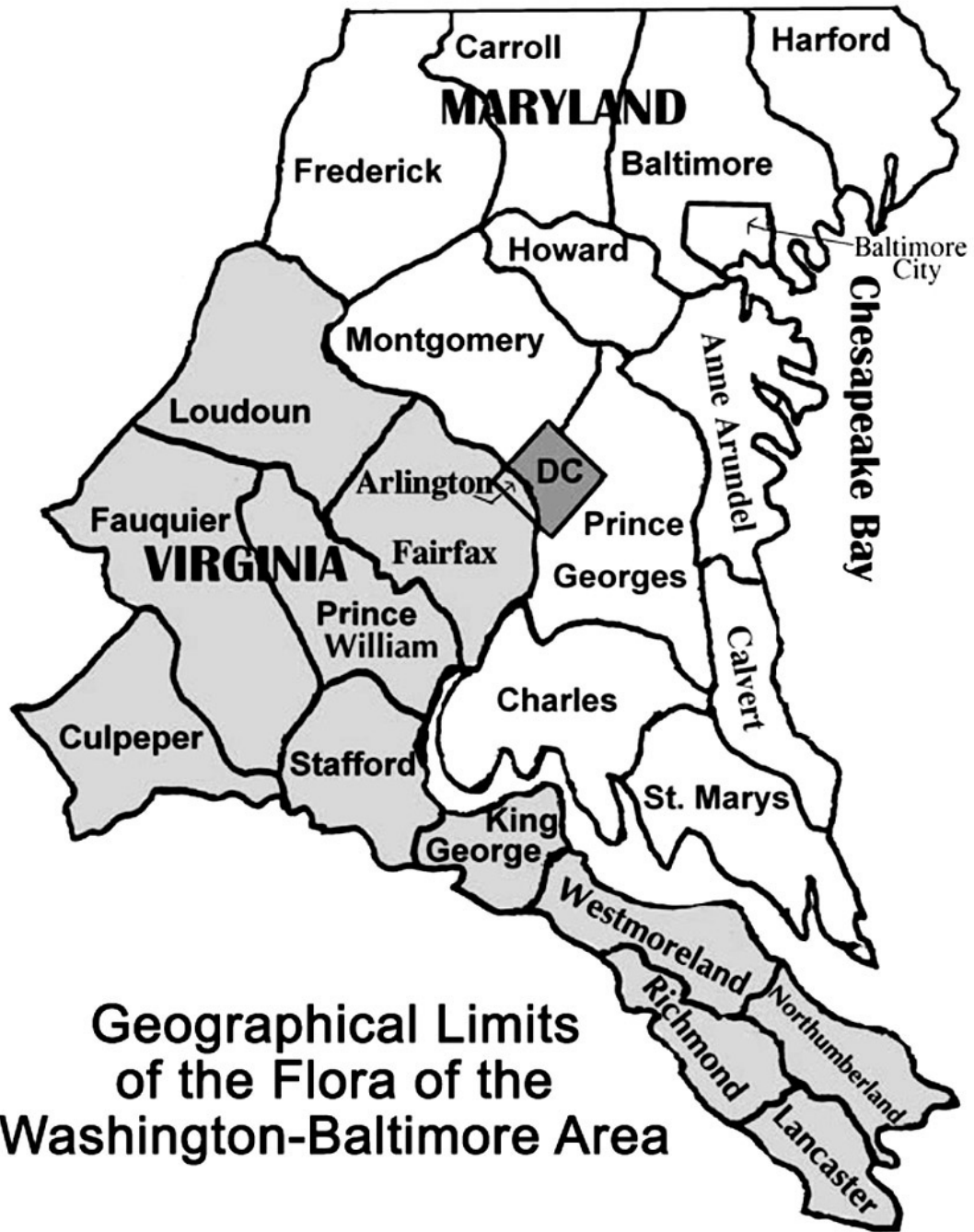
## **Part II Monocotyledons**



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# MAP OF THE CHECKLIST AREA



Geographical Limits  
of the Flora of the  
Washington-Baltimore Area

Annotated Checklist of the Vascular Plants  
of the Washington - Baltimore Area

Part II  
Monocotyledons

*by*

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Cover illustration of Canada or nodding wild rye (*Elymus canadensis* L.) from *Manual of the Grasses of the United States* by A. S. Hitchcock, revised by Agnes Chase (1951).

## PREFACE

The first part of our *Annotated Checklist*, covering the 2001 species of Ferns, Fern Allies, Gymnosperms, and Dicotyledons native or naturalized in the Washington-Baltimore Area, was published in March 2000. *Part II* covers the Monocotyledons and completes the preliminary edition of the *Checklist*, which we hope will prove useful not only in itself but also as a first step toward a new manual for the identification of the Area's flora. Such a manual is needed to replace the long-outdated and out-of-print *Flora of the District of Columbia and Vicinity* of Hitchcock and Standley, published in 1919. In the preparation of this part, as with Part I, Shetler has been responsible for the taxonomy and nomenclature and Orli for the database.

As with the first part, we are distributing this second part in preliminary form, so that it can be used, criticized, and updated while the two parts are being readied for publication as a single volume. Corrections and comments are welcome. We hope that our now-completed *Checklist* stimulates much new fieldwork to check the current status of the local flora relative to what is being reported by us.

The complete *Checklist* is available on our Web Site for the Flora of the Washington-Baltimore Area ([www.nmnh.si.edu/botany/projects/dcflora](http://www.nmnh.si.edu/botany/projects/dcflora)) in pdf format and as a searchable database. The Herbarium of the Washington-Baltimore Area ("D.C. Herbarium"), consisting of nearly 60,000 preserved plant specimens collected over the past 125 years or so, is also accessible at this site. It has served as the basis for the *Checklist*. The Web database provides the label information for the specimens, distribution maps for the species, and, in many cases, a link to an image.

We gratefully acknowledge the help of many persons. We are indebted in the first place to Carol Annable, Christine Begle, Marcie Beyersdorfer, Laura Lehtonen, and Susan Wiser--all former assistants of Shetler--for their vital help in compiling the original working materials, including the initial list. In particular, Christine was largely responsible for compiling the working list from Hitchcock's and Standley's *Flora* (1919) and Hermann's *Checklist* (1946).

Help with the grasses was provided by Paul M. Peterson (especially, *Agrostis*, *Bromus*, *Cenchrus*, *Cynodon*, *Muhlenbergia*) and Robert ("Rob") J. Soreng (esp. *Festuca*/*Schedonorus*, *Hordeum*, *Poa*). Rob reviewed the entire draft of the Poaceae and offered many useful comments. In preparing their recently published *Atlas of Carex* for Maryland and the District of Columbia (2002), Christopher T. Frye and Christopher Lea examined all of our *Carex* specimens and annotated many. Our treatment closely follows theirs, and we thank Chris Lea in particular for responding to many questions. Robert R. Haynes kindly annotated all of our Najadaceae and Potamogetonaceae, and his annotations guided our treatment of these families. Likewise, we were fortunate to have Larry J. Davenport annotate our Lemnaceae, providing the basis for our treatment. Mark Strong

revised and annotated our collections of the species formerly treated broadly as *Scirpus*, and his treatment is followed. He also annotated other Cyperaceae and some Juncaceae. Dan H. Nicolson continued to give of his time and expertise to solve nomenclatural problems.

Finally, we thank the Botany Section of the Department of Systematic Biology and especially W. John E. Kress, Head of the Section, for their continued encouragement and support of this project; and the Virginia E. Crouch Memorial Fund for Native Plant Conservation and Research, administered by Larry E. Morse of NatureServe, for partial support of the printing and distribution of *Part II*.

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## INTRODUCTION

by Stanwyn G. Shetler

A brief history of floristics in the Washington-Baltimore was presented in the Introduction to *Part I*. The procedures and format for the *Checklist*, given in *Part I*, are repeated here for the convenience of the user. There are three innovations in this part that should make it easier to use than the first part. Running heads indicate the family or families treated on the pages, common and scientific names are in the same index, and genera with more than 15 species, i.e., genera likely to run to a second page or more, are indexed to species.

### Geographic Coverage

As indicated in the Preface, our *Checklist* is based in the first instance on the D.C. Herbarium. The limits of the D.C. Herbarium, as expanded in the 1930s and 1940s for the Conference on District Flora, are the limits of the “Washington-Baltimore Area” as defined by Hermann (1941, 1946) in his *Checklist* and also used here.

This Area (see map inside front cover) is bounded on the north by the Maryland-Pennsylvania line, on the east by the Chesapeake Bay (western shore), on the south by the Rappahannock and Rapidan Rivers, and on the west by the east foot of the Blue Ridge Mountains. It includes the Bull Run and Catoctin mountains, but excludes Shenandoah National Park and the Eastern Shore. Encompassed are the District of Columbia and the following 23 counties and 5 independent cities in Maryland and Virginia:

#### Maryland

*Counties:* Anne Arundel, Baltimore, Calvert, Carroll, Charles, Frederick, Harford,  
Howard, Montgomery, Prince George’s, St. Mary’s. *Cities:* Baltimore

#### Virginia

*Counties:* Arlington, Culpeper, Fairfax, Fauquier, King George, Lancaster, Loudoun,  
Northumberland, Prince William, Richmond, Stafford, Westmoreland.  
*Cities:* Alexandria, Fairfax, Falls Church, Manassas

So defined, the Washington-Baltimore Area represents a radius of coverage from the Capitol in Washington, D.C., of about 50 miles, more than three times the 15-mile radius of the previous Floras.

In compiling the *Atlas of the Virginia Flora*, Harvill *et al.* (1992), included the independent cities within counties for the purpose of mapping specimen distributions. Thus, Alexandria

specimens were mapped as though from Arlington Co., Fairfax and Falls Church specimens as though from Fairfax Co., and Manassas specimens as though from Prince William Co. It is important to keep this in mind when voucher herbarium specimens from these cities are checked against the *Atlas*.

### **Taxonomic Considerations**

The *Checklist* includes all native and naturalized species of vascular plants known to occur or to have occurred within the defined geographic area. Naturalized species are alien (exotic) species introduced into the area that are now believed to be reproducing and spreading in the wild without cultivation if only on a limited scale. A few species are included that appear to spread only as clones but persist indefinitely once planted, often in wild places long after there is any clear indication of introduction (e.g., *Hemerocallis fulva*).

Taxonomic categories below the rank of species (notably, subspecies, variety, and form) are not recognized formally as separate entries in the *Checklist* but may be mentioned in the comments or cited as synonyms under the appropriate species where necessary to avoid confusion. The families are arranged alphabetically.

The ever unfolding new evidence from molecular studies and phylogenetic analyses poses quite a challenge to the contemporary floristic worker. On the one hand, one wants to follow the evidence insofar as possible and recognize only monophyletic taxa, regardless of the impact on time-honored concepts and nomenclature. On the other hand, taxonomy is practical and useful only to the extent that it remains relatively stable through time. Thus, change must come in a measured way and not get too far ahead of the users. Furthermore, the new evidence must stand the test of time.

The new evidence is having a profound effect on the concepts and limits not only of genera and species but also families, which, consequently, are in a state of flux, especially in such groups as the Liliaceae s.l., as traditionally circumscribed. Whether or not to stick with familiar, traditional family circumscription was a dilemma faced repeatedly. I have not followed any authority entirely and have tended to opt for traditional usage where there is still no general agreement on a new classification.

I have adopted a relatively broad concept of genera and species, tending to lump more than to split and in debatable cases to stay with widespread practice, trying to strike a balance between stability and change. On the whole, changes that are widely accepted have been adopted, whereas changes that do not yet enjoy wide acceptance are being deferred. The time for more comprehensive revision will be when a new manual is prepared by specialist collaborators. In cases where species have been combined and split seemingly at will, I have largely followed the evidence of the local material in making my decision whether to lump or to split. Inasmuch as it is the only relatively

current, comprehensive guide to the flora of the Northeast, which has been very widely used since it first appeared in 1963, the Gleason and Cronquist *Manual* (1991) has been an especially important influence in deciding which species to recognize.

## Revision Procedures

Species have been admitted into the *Checklist* only on the basis of one or more voucher specimens in the D.C. Herbarium *or* a reliable published record, as, for example, in Brown and Brown (1972, 1984) or Harvill *et al.* (1992).

The starting point was a compiled list of all the species recognized in Hitchcock and Standley's *Flora* (1919) and Hermann's *Checklist* (1946). This preliminary list was then evaluated and documented by checking it species by species against the D.C. Herbarium and the other designated "Primary Sources" (see below) of floristic records for Maryland and Virginia. The list was further supplemented, winnowed, and refined by consulting the "Principal References" and selected other publications as appropriate. The annotations in the *Checklist* are based on all of these sources. Every effort was made to account for all the species that have been recognized and the names that have been used widely in the region since the publication of Hitchcock and Standley's *Flora*.

The nomenclature of the *Checklist*, including the author citations, largely follows Kartesz (1994, 1999) or, for grasses, Soreng *et al.* (2000- ). In confused cases, judgments were made on the basis of all the evidence at hand.

## Primary Sources

These are the key publications on the flora of the Washington-Baltimore Area. Every species in them was evaluated for possible inclusion, and every species that they attribute to this Area should be accounted for in the *Checklist*, as a recognized species, synonym of a recognized species, or an "Excluded" species (see below). Following are abbreviated citations of the Primary Sources used in one or both parts of the *Checklist*; full citations are given in the bibliography (see p. 73):

Brown and Brown 1972, *Woody Plants of Maryland*. Cited as B&B 1972.

Brown and Brown 1984, *Herbaceous Plants of Maryland*. B&B 1984.

Frye and Lea 2002, "Atlas and annotated list of *Carex* of Maryland and the District of Columbia."

Gilman 1957, "Grasses of the Tidewater-Piedmont Region of northern Virginia and Maryland."

Harvill *et al.* 1992, *Atlas of the Virginia Flora. III*. Atlas.

Hermann 1941, *A Checklist of the Plants in the Washington-Baltimore Area*. FJH 1941.

Hermann 1946, *A Checklist of the Plants in the Washington-Baltimore Area*. Ed. 2. FJH 1946.

Hitchcock and Standley 1919, *Flora of the District of Columbia and Vicinity*. H&S.

Norton 1930, *Maryland Grasses*.

- Redman 1992, "An annotated list of the ferns and fern allies of Maryland and the District of Columbia."
- Reed 1953, *The Ferns and Fern Allies of Maryland and Delaware, Including the District of Columbia*.
- Reed 1964, "Orchidaceae in Maryland, Delaware and the District of Columbia." Reed 1964a
- Ward 1881, *Guide to the Flora of Washington and Vicinity*.

## Principal References

These are the regional manuals, Floras of adjacent states, and other essential reference works that were consulted routinely in the preparation of species entries for the *Checklist*. Because some of these manuals and floras have long been standard references in the Washington-Baltimore Area, every effort has been made to account, through the synonymy, for the names used in them whenever they differ from the names used in the *Checklist*, so that users can move easily between the *Checklist* and these familiar works. Following are abbreviated citations of the Principal References used in one or both parts of the *Checklist*; full citations are given in the bibliography (see p. 73):

- Brummitt and Powell 1992, *Authors of Plant Names*.
- Fernald 1950, *Gray's Manual of Botany*. Ed. 8.
- Flora of North America Editorial Committee 1993, 1997, 2000, *Flora of North America North of Mexico*, Vols. 2, 3, 22. Cited by individual authors of the *Flora*.
- Gleason 1952, *The New Britton and Brown Illustrated Flora of the Northeastern United States and Adjacent Canada*.
- Gleason and Cronquist 1991, *Manual of Vascular Plants of Northeastern United States and Adjacent Canada*. Ed. 2.
- Hitchcock and Chase 1950 [1951], *Manual of the Grasses of the United States*. Ed. 2.
- Kartesz 1994, *A Synonymized Checklist of the Vascular Flora of the United States, Canada, and Adjacent Greenland*. Ed. 2. 2 vols.
- Kartesz 1999. *A Synonymized Checklist and Atlas with Biological Attributes for the Vascular Flora of the United States, Canada, and Greenland*. CD-ROM.
- Lellinger 1985, *A Field Manual of the Ferns and Fern-Allies of the United States & Canada*.
- Radford, Ahles and Bell 1968, *Manual of the Vascular Plants of the Carolinas*.
- Rhoades and Block 2000, *The Plants of Pennsylvania*.
- Rhoades and Klein 1993, *The Vascular Flora of Pennsylvania: Annotated Checklist and Atlas*.
- Soreng, Davidse, Peterson, Zuloaga, Judziewicz and Figueras 2000- , *Catalogue of New World Grasses*. <<http://mobot.mobot.org/WST/Search/nwgc.html>>
- Strausbaugh and Core [1978], *Flora of West Virginia*. Ed. 2.

## Format of Species Entries

A species entry contains some or all of the following elements of information in the standardized order and format indicated:

### 1. Accepted scientific name (Latin binomial) and author of name

The scientific names of native species are in **bold** Roman type and of introduced species, in **COPPERPLATE GOTHIC BOLD**. Authors' names are abbreviated according to Brummitt and Powell (1992), and a key to all the abbreviations in *Parts I* and *II* can be found at the end of this volume. An "X" is placed in front of the specific name (epithet) of a species thought to be of hybrid origin, and the known or putative parent species may be given parenthetically immediately following the scientific name and author (e.g., *Sphenopholis xpallens* (Biehler) Scribn. (*S. obtusata xpensylvanica*))

### 2. Common names

Following the scientific names, one to several common (vernacular) names are given in preferred order. They were drawn mainly from the Principal Sources and the Principal References, especially Gleason and Cronquist (1991), Strausbaugh and Core [1978], and Brown and Brown (1972, 1984). These particular manuals have long been standards in this area. Fleming *et al.* (1995) also was consulted routinely. An attempt was made to put the most widely used name first, but there are no standards for common names; hence, they become a matter of author's and, ultimately, user's choice.

When to hyphenate always presents a problem, and seldom is an explanation offered in floristic works of the rules followed, if any. If two or more words make up a compound name, they may be (1) treated as separate words, (2) hyphenated as though one word, or (3) run together as one word (e.g., gama grass, gama-grass, gamagrass for *Tripsacum dactyloides*). Different authors and editors follow different rules. If enough authors are consulted, one often will find the same name treated all three ways.

Because of the logic that we have followed, we have tended to hyphenate more names than most authors. We have hyphenated words that, in our opinion, belong together as a compound name or name modifier, but traditionally are not run together. Such names should be indexed as one word, and we have used this indexing criterion as a rule-of-thumb in deciding what to hyphenate. This is particularly true of words that *together* constitute the common name of a genus (e.g., Solomon's-seal, for *Polygonatum*; coral-root, for *Corallorhiza*). If, in such cases, there is a tradition of running the words together, we have tended to do likewise (e.g., bunchflower, cottongrass, spikerush).

In many cases, we have hyphenated two words often used separately, because we do not consider such words as, for instance, "root" (as in "cucumber-root") to be stand-alone,

indexable names for kinds of plants. We have not used hyphens after “false” and “wild” (e.g., false spikenard, not false-spikenard) in most cases, however, unless that has been traditional (e.g., wild-celery). Names with these adjectives tend to be used in compound form even without hyphenation or running together.

### 3. Synonyms

Scientific names used in the Primary Sources and Principal References that are deemed to be synonyms of the accepted name are given in parenthesis following the common names. Synonyms from the D.C. Herbarium have also been included if they appeared frequently on specimen labels. For users of this herbarium, it will help to account for names that were used locally for a time but do not necessarily appear in the earlier Floras and checklists.

### 4. Distribution

Distribution, which follows synonymy, is indicated only to the state level by the **boldfaced** abbreviations **DC**, **MD**, and **VA**, in that order. (D.C., for this purpose, is treated as a state.) A state is listed only if we have one or more specimens in the D.C. Herbarium from that state *or* a reliable observation or published record, which then is cited parenthetically. If there is only a single specimen in the D.C. Herbarium from the state, then the county where collected (for MD and VA) and sometimes the locality are also given, and the specimen itself is cited parenthetically. (Occasionally, more than one specimen per state is cited). This alerts the user to the cases where the documentation of occurrence is very limited and perhaps also very old.

### 5. Status in the flora

As mentioned above, the names of the native species are **boldfaced**, and the introduced, non-native species are indicated by a different font, **COPPERPLATE GOTHIC BOLD**. The generic name appears in this font only if the genus itself is also alien to the local flora. Examples: **SCHEDONORUS PRATENSIS**, **Poa TRIVIALIS**.

If a species is introduced, its status in the flora is characterized briefly following the distribution summary. Three, ultimately arbitrary types of introduced species are recognized: (a) “Naturalized” - a species that is freely reproducing in the wild and is often long and widely established in the flora; (b) “waif” - a species that has appeared here and there without apparent deliberate introduction, not necessarily reproducing and persisting for long, and continues to be an accidental element of the flora; (c) “escape” - a species escaping from cultivation perhaps repeatedly in several to many places and often spreading, particularly locally, but not necessarily persisting and becoming fully naturalized. Introduced plants of the latter two types are also regarded as naturalized in the broad sense, as defined for inclusion here. Other characterizations of status in the flora in the species entries should be self-explanatory.

## 6. Comments.

Comments about the species, if any, constitute the final element of the species entry. Many entries do not have comments.

## 7. Abbreviations

Oft-cited authors (see p. 73 for full citations):

Atlas = Harvill *et al.* 1992

B&B 1972 = Brown and Brown 1972

B&B 1984 = Brown and Brown 1984

FJH 1941 = Hermann 1941

FJH 1946 = Hermann 1946

H&S = Hitchcock and Standley 1919

Other

DC = District of Columbia

MARY = Code for Herbarium of the University of Maryland, College Park

MD = Maryland

MO = Code for the Herbarium of the Missouri Botanical Garden, St. Louis

US = Code for the U. S. National Herbarium, Smithsonian Institution, Washington, D.C.

VA = Virginia

W-B Area = Washington-Baltimore Area

## Excluded Species

These species have been reported for the W-B Area but are not included in our *Checklist* for the reasons given.

1. *Carex aestivalis* M.A. Curtis ex A. Gray. Previous inclusion based on one US specimen (MD: Frederick Co., Catoctin Mt., *F.J. Hermann 13753*, 1957), which has since been re-identified as *C. virescens* Muhl. ex Willd. by Lea (Nov. 2000).
2. *C. alopecoidea* Tuck. Mentioned by H&S (p.108) on basis of report by Holm (1896), whose specimen (*T. Holm s.n.*, 1888), at the time in herbarium of Catholic University and now in US, was re-identified recently by Lea (Feb. 2000) as *C. annectens* (E.P. Bicknell) E.P. Bicknell.
3. *C. crebriflora* Wiegand. According to Atlas, widely present in VA sector, but Lea (correspondence, Nov. 23, 2001) has seen no authentic specimens from there and doubts its presence in the W-B Area.
4. *Gladiolus ×gandavensis* Van Houtte. Reported in Atlas (p. 136), under “Novelties, Waifs, and Taxa of Doubtful Establishment,” from several counties in VA, including Lancaster Co. in our area. Although it may persist from planting, it does not really establish itself and is, in

any event, of questionable taxonomic and nomenclatural standing as a species. Accordingly, not included in *Checklist*.

5. *Hordeum brachyantherum* Nevski. Reported under *H. nodosum* L., a misapplied name, in H&S, FJH 1941, and FJH 1946 on basis of specimens identified as *H. pratense* Huds., also a misapplied name. These specimens (DC: *E.S. Steele s.n.*, 1896; *F. Blanchard s.n.*, 1890; VA: *W. Hunter s.n.*, 1886 (Fairfax Co., Accotink)) have proved to be *H. pusillum*.

### Statistics

	<i>Part I*</i>	<i>Part II</i>	Total
No. of Native Species.....	1220	581	1801
No. of Introduced Species.....	781	212	993
Percentage of Introduced Species.....	39%	26.7%	35.6%
Total No. of Species.....	2001	793	2794

\*Figures adjusted slightly from those in *Part I* (Native:1221; Introduced:780).

### Web Site for Flora of Washington-Baltimore Area

To search the *Checklist* database or for updates on the ongoing project and other information about the local flora, see: <http://www.nmnh.si.edu/botany/projects/dcflora>.



**Annotated Checklist of the Vascular Plants of the Washington-Baltimore Area**  
**Part II. MONOCOTYLEDONS.**

ACORACEAE *The Sweetflag Family*

**ACORUS**

**CALAMUS** L. - sweetflag. **DC, MD, VA.** Naturalized.

AGAVACEAE *The Agave Family*

**Yucca**

**filamentosa** L. - yucca, Adam's-needle, Spanish-bayonet, beargrass, silkgrass. (*Y. concava* Haw., *Y. flaccida* Haw.). **MD, VA.** Often placed in Liliaceae.

ALISMATACEAE *Water-plantain or Arrowhead Family*

**Alisma**

**subcordatum** Raf. - common water-plantain, southern water-plantain, American water-plantain. (*A. plantago-aquatica* L. var. *parviflorum* (Pursh) Torr.). **DC, MD, VA.**

**triviale** Pursh - northern water-plantain. (*A. plantago aquatica* L. var. *americanum* Schult. & Schult. f.). **MD:** "common throughout" (B&B 1984).

**Echinodorus**

**cordifolius** (L.) Griseb. - creeping bur-head, heart-leaved bur-head. (*E. radicans* (Nutt.) Engelm.). **DC.** "...flats below Chain Bridge, perhaps a dozen specimens, some well developed, August 1, 1900" (Steele 1901, as *E. radicans*).

**Sagittaria**

**australis** (J.G. Sm.) Small - long-beaked arrowhead, Appalachian arrowhead. (*S. brevirostra* Mack. & Bush, misapplied (Allard & Leonard 1943), *S. engelmanniana* J.G. Sm., misapplied (Steele 1901), *S. longirostra* (Micheli) J.G. Sm., misapplied). **DC** (*P. Fleming 1412*, 1992), **MD:** Calvert Co., Cove Point (*B.W. Steury 980817.6*, 1998), **VA.**

**engelmanniana** J.G. Sm. - Engelmann arrowhead, acid-water arrowhead. **MD:** Prince George's Co., Beltsville (Terrell et al. 2000), **VA:** Fauquier Co. (Atlas). Identification of Terrell et al. said to be "tentative."

**graminea** Michx. - grass-leaved arrowhead. **DC** (*G.H. Shull 41*, 1902), **MD:** Anne Arundel Co. (*E.C. & B.M. Leonard 6242*, 1927), **VA.**

**lancifolia** L. - lance-leaved sagittaria, bull-tongue arrowhead. (*S. falcata* Pursh). **VA:** King George Co. (Simmons et al., 1995, as *S. falcata*); Stafford Co. (*F.J. Hermann 10402*, 1939).

**latifolia** Willd. - common arrowhead, broad-leaved arrowhead, duck-potato, wapato. (*S. pubescens* Muhl. ex Nutt., *S. variabilis* Engelm.). **DC, MD, VA.**

**montevidensis** Cham. & Schtdl. - giant arrowhead, Mississippi arrowhead, tidal sagittaria. (*Lophotocarpus calycinus* (Engelm.) J.G. Sm., *L. spongiosus* (Engelm.) J.B. Sm., *S. calycina* Engelm., *S. spatulata* (J.G. Sm.) Buchenau). **DC** (*E.S. Steele s.n.*, 1897, as *Lophotocarpus calycinus*), **MD, VA:** Westmoreland Co., Colonial Beach (*F.V. Coville s.n.*, 1890, as *S. calycina*).

**rigida** Pursh - sessile-fruited arrowhead. **DC, MD, VA:** Arlington Co. (*E.S. Steele s.n.*, 1898). Only very old specimens, but see also B&B 1984.

## ALISMATACEAE - COMMELINACEAE

**Sagittaria** - cont.

**subulata** (L.) Buchenau - dwarf arrowhead, Hudson sagittaria, awl-leaved arrowhead. (*S. pusilla* Nutt.).  
**DC, MD, VA.**

ARACEAE *The Arum Family***Arisaema**

**dracontium** (L.) Schott - green-dragon, dragon-root. **DC, MD, VA.**

**triphillum** (L.) Schott - jack-in-the-pulpit, Indian-turnip. (*A. atrorubens* (Aiton) Blume, *A. pusillum* (Peck) Nash, *A. stewardsonii* Britton). **DC, MD, VA.**

**Orontium**

**aquaticum** L. - golden-club. **DC, MD, VA.**

**Peltandra**

**virginica** (L.) Schott - arrow-arum, tuckahoe, green arrow-arum. **DC, MD, VA.**

**Symplocarpos**

**foetidus** (L.) Salisb. ex W.P.C. Barton - skunk-cabbage. (*Spathyema foetida* (L.) Raf.). **DC, MD, VA.**

COMMELINACEAE *The Dayflower Family***Commelina**

**CAROLINIANA** Walter - Carolina dayflower. **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**COMMUNIS** L. - Asiatic dayflower. **DC, MD, VA.** Naturalized.

**DIFFUSA** Burm. f. - climbing dayflower. **DC:** Glover Park (*A. Raynsford* 1,2, 1982), **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a), **VA:** Culpeper Co. (Atlas). Waif.

**erecta** L. - slender dayflower, white-mouth dayflower. (*C. virginica* L., misapplied). **DC, MD, VA.**

**virginica** L. - Virginia dayflower. (*C. erecta* L., misapplied, *C. hirtella* Vahl). **DC, MD, VA.**

**MURDANNIA**

**KEISAK** (Hassk.) Hand.-Mazz. - dew-flower, wart-removing-herb. (*Aneilema keisak* Hassk.). **DC:** Roosevelt Island (personal observation, S.G. Shetler, 1999), **MD, VA.** Naturalized.

**Tradescantia**

**ohiensis** Raf. - Ohio spiderwort, bluejacket. (*T. canaliculata* Raf.). **MD** (inferred from B&B 1984), **VA:** Fairfax Co., Mount Vernon (*Wells & Brown* 4146, 1995). Native but often cultivated and escaped.

**subaspera** Ker Gawl. - zig-zag spiderwort. **DC:** Rock Creek Park (*P. Fleming* 1261, 1989, as *T. ohiensis*). Possibly an escape.

## COMMELINACEAE - CYPERACEAE

**Tradescantia** - cont.

- virginiana** L. - Virginia spiderwort, widow's-tears. **DC, MD, VA.** Including hybrids with *T. ohioensis*. Neotype from Montgomery Co., MD (*R.B. & A.J. Faden 87/1A*; isoneotype in US).

CYPERACEAE *The Sedge Family***Bulbostylis**

- capillaris** (L.) Kunth ex C.B. Clarke - dense-tufted hairsedge. (*Fimbristylis capillaris* (L.) A. Gray, *Stenophyllus capillaris* (L.) Britton). **DC, MD, VA.**

- hirta** (Thunb.) Svenson - rough hairsedge. **MD:** Baltimore City, Canton, manganese ore piles (Reed 1964a).

**Carex**

- abscondita** Mack. - thicket sedge. (*C. ptychocarpa* Steud.). **MD, VA** (Atlas).

- ACUTIFORMIS** Ehrh. - lesser pond sedge. **MD:** Calvert Co., Patuxent River (*J. Meininger s.n.*, 1997). Naturalized in one locality.

- aggregata** Mack. - glomerate sedge. (*C. sparganioides* var. *aggregata* (Mack.) Gleason). **DC, MD.** DC apparently is not type locality despite what Hitchcock and Standley say.

- alata** Torr. - broadwinged sedge. **DC, MD, VA.**

- albicans** Willd. ex Spreng. - white-tinged sedge, Emmon's sedge. (*C. artitecta* Mack., *C. emmonsii* Dewey, *C. nigromarginata* var. *muhlenbergii* (A. Gray) Gleason, *C. varia* Host, misapplied). **DC, MD, VA.**

- albolutescens** Schwein. - green-white sedge. (*C. straminea* Willd. ex Schkuhr, misapplied). **DC, MD, VA.**

- albursina** E. Sheld. - white bear sedge. (*C. laxiflora* var. *latifolia* Boott). **MD, VA.**

- amphibola** Steud. - eastern narrow-leaf sedge. (*C. grisea* Wahlenb., misapplied, *C. grisea* var. *angustifolia* Boott). **DC, MD, VA.**

- annectens** (E.P. Bicknell) E.P. Bicknell - yellow-fruit sedge. (*C. brachyglossa* Mack., *C. setacea* Dewey, in part, *C. vulpinoidea* Michx., in part, *C. xanthocarpa* E.P. Bicknell). **DC, MD, VA.**

- appalachica** J.M. Webber & P.W. Ball - Appalachian sedge. (*C. convoluta* Mack., misapplied, *C. radiata* (Wahlenb.) Small, misapplied (e.g., B&B, according to C. Lea, correspondence, Nov. 23, 2001)). **MD:** Montgomery Co., Chevy Chase Lake (*Maxon & Standley 283*, 1916, as *C. convoluta*), **VA.**

- AQUATILIS** Wahlenb. - aquatic sedge, leafy tussock sedge. **MD:** Prince Georges Co., Beltsville Airport (*Hotchkiss & Uhler 7087*, 1946, as *C. emoryi*). Apparently, same locality as cited by H&S ("Eastern Branch") and Terrell et al. (2000), according to Chris Lea (correspondence, Nov. 23, 2001).

- ARENARIA** L. - sand sedge. **MD:** Baltimore City, Canton, ballast (*B. Sollers s.n.*, 1891; *C.C. Plitt 402*, 1900); Calvert Co.? (FJH 1941), **VA:** Northumberland Co. (Atlas). Naturalized?

## CYPERACEAE

**Carex** - cont.

- argyrantha** Tuck. - hay sedge. (*C. foenea* Willd., misapplied). **MD**: Several cos. (Frye & Lea 2002), **VA**: Loudoun Co. (Atlas).
- atlantica** L.H. Bailey - bog sedge, prickly bog sedge, Howe's sedge. (*C. cephalantha* (L.H. Bailey) E.P. Bicknell, misapplied, *C. howei* Mack., *C. incompta* E.P. Bicknell, *C. interior* var. *capillacea* L.H. Bailey, *C. stellulata* Gooden., misapplied). **DC, MD, VA**.
- baileyi** Britton - Bailey's sedge. **VA**: Fairfax Co., Fort Belvoir Proving Grounds (*M.T. Strong 1945, 1999*).
- barrattii** Schwein. & Torr. - Barratt's sedge. **MD**: Anne Arundel Co., Stony Run (*T. Holm s.n.*, 1901; 1913, as *C. littoralis* Schwein.).
- blanda** Dewey - charming sedge, eastern woodland sedge. (*C. laxiflora* var. *blanda* (Dewey) Boott, *C. laxiflora* var. *varians* L.H. Bailey, misapplied). **DC, MD, VA**.
- brevior** (Dewey) Mack. ex Lunell - short-beaked sedge. (*C. festucacea* var. *brevior* (Dewey) Fernald). **DC**: Kenilworth (*E.S. Steele s.n.*, 1900), **MD** (Frye & Lea 2002), **VA**: Loudoun Co., Bluemont (*P.C. Standley 11612, 1915*).
- bromoides** Schkuhr ex Willd. - bromelike sedge. **DC** (*Vasey s.n.*, 1874), **MD**.
- brunnescens** (Pers.) Poir. - brownish sedge. **MD**: Harford Co. (Frye & Lea 2002).
- bullata** Schkuhr ex Willd. - button sedge. **DC, MD, VA**: Fairfax Co., Springfield (*M.T. Strong 1780, 1998*).
- bushii** Mack. - Bush's sedge. **DC, MD, VA**.
- buxbaumii** Wahlenb. - Buxbaum's sedge, brown bog sedge. **DC** ? (*E.S. Steele s.n.*, 1900; cf. McAtee 1940, p. 147), **MD**: Harford Co., Pylesville (*E. Baltars 2868, 1961*).
- canescens** L. - hoary sedge, silvery sedge. **MD, VA** (Atlas).
- careyana** Torr. ex Dewey - Carey's sedge. **DC** ? (*W.P. Conant s.n.*, 1882; *G. Vasey s.n.*, 1882), **MD, VA**: Fairfax Co., Dead Run (*Vasey s.n.*, 1881).
- caroliniana** Schwein. - Carolina sedge. (*C. triceps* Michx., misapplied). **DC, MD, VA**.
- CARYOPHYLLEA** Latourr. - vernal sedge. **DC** (McAtee 1930, p. 24). Waif.
- cephalophora** Muhl. ex Willd. - oval-leaf sedge. **DC, MD, VA**.
- collinsii** Nutt. - Collins' sedge. **MD, VA** (Atlas).
- communis** L.H. Bailey - fibrous-root sedge. (*C. pedicellata* (Dewey) Britton). **DC, MD, VA**.
- comosa** Boott - bearded sedge. **DC, MD, VA**.
- complanata** Torr. & Hook. - hirsute sedge, flattened sedge. (*C. triceps* Michx., misapplied). **DC, MD, VA**.
- conjuncta** Boott - soft fox sedge. **DC, MD, VA**.

## CYPERACEAE

**Carex** - cont.

- conoidea** Schkuhr ex Willd. - open-field sedge. **MD** (Frye & Lea 2002).
- crinita** Lam. - fringed sedge. **DC, MD, VA**.
- cristatella** Britton - crested sedge. (*C. cristata* Schwein., misapplied). **DC, MD** (Frye & Lea 2002), **VA**: Fairfax Co., Difficult Run (*H. Hasselbring s.n.*, 1929).
- davisii** Schwein. & Torr. - Davis' sedge. **MD**.
- debilis** Michx. - white-edged sedge. (*C. allegheniensis* Mack., *C. flexuosa* Muhl. ex Willd., *C. tenuis* Rudge). **DC, MD, VA**.
- decomposita** Muhl. - cypress-knee sedge. **DC** (*L.F. Ward s.n.*, 1882), **MD, VA**. In MD, occurs only in Montgomery Co. (Frye & Lea 2002).
- digitalis** Willd. - slender woodland sedge. **DC, MD, VA**.
- DISTANS** L. - distant sedge. **MD**: Charles Co., Morgantown Bridge (*Hotchkiss & Uhler 7218*, 1948). Waif. This specimen was thought to be first N. Amer. record (Hotchkiss 1951); in 1993, Rhodes & Klein reported on an earlier (ca. 1865) Philadelphia collection, but species was not included subsequently in PA flora (Rhodes & Black 2000).
- DIVISA** Huds. - separated sedge, divided sedge. **MD**: Calvert Co. (3 collections), Prince Georges Co. (Terrell et al. 2000), St. Mary's Co. (Frye & Lea 2002). Naturalized.
- DIVULSA** Stokes - grassland sedge. (*C. virens* Lam., misapplied (in H&S)). **DC** (*F.L.J. Boettcher H.2453*, 1896). Waif. Apparently, this is only collection from W-B Area (cf. Atlas; Frye & Lea 2002).
- echinata** Murray - star sedge, prickly sedge. (*C. angustior* Mack., *C. cephalantha* (L.H. Bailey) E.P. Bicknell, *C. laricina* Mack. ex Bright, *C. muricata* L., misapplied). **DC** (Frye & Lea 2002), **MD**: Prince George's Co., Paint Branch swamp (*P.C. Standley 11751*, 1915, as *C. angustior*).
- emoryi** Dewey - Emory's sedge. (*C. stricta* Lam., misapplied). **DC, MD, VA**.
- exilis** Dewey - coast sedge. **MD**: Anne Arundel Co. (3 collections). In W-B Area, found only in Anne Arundel Co. (cf. Atlas; Frye & Lea 2002).
- EXTENSA** Gooden. - long-bracted sedge. **MD**: St. Mary's Co. (Frye & Lea 2002). Naturalized.
- festucacea** Schkuhr ex Willd. - fescue sedge. (*C. straminea* Schkuhr ex Willd., misapplied, *C. tenera* Dewey, misapplied). **DC, MD, VA** (Atlas).
- folliculata** L. - northern long sedge. **DC, MD, VA**.
- frankii** Kunth - Frank's sedge. (*C. stenolepis* Torr.). **DC, MD, VA**.
- gigantea** Rudge - giant sedge. **MD**: Charles Co. (Frye & Lea 2002), **VA**: Richmond Co. (Atlas).
- glaucescens** Elliott - southern waxy sedge. **VA** (Atlas).

## CYPERACEAE

**Carex** - cont.

**glaucoidea** Tuck. ex Olney - blue sedge. (*C. flaccosperma* Dewey, misapplied, *C. flaccosperma* var. *glaucoidea* (Tuck. ex Olney) Kük.). **DC, MD, VA.**

**gracilescens** Steud. - slender loose-flowered sedge. (*C. laxiflora* Lam., misapplied). **DC, MD, VA.**

**gracillima** Schwein. - graceful sedge. **DC, MD, VA.**

**granularis** Muhl. ex Willd. - limestone-meadow sedge. (*C. haleana* Olney). **DC, MD, VA.**

**GRAVIDA** L.H. Bailey - heavy sedge. (*C. lunelliana* Mack.). **MD:** Calvert Co. (Frye & Lea 2002).  
Midwestern species, probably a waif here.

**grayi** J. Carey - Gray's sedge. (*C. asa-grayi* L.H. Bailey). **DC, MD, VA.**

**grisea** Wahlenb. - inflated narrow-leaf sedge. (*C. amphibola* Steud., in part, *C. amphibola* var. *turgida* Fernald). **DC, MD, VA.**

**gynandra** Schwein. - nodding sedge. (*C. crinita* var. *gynandra* (Schwein.) Schwein. & Torr.). **DC, MD, VA.**

**hirsutella** Mack. - hirsute sedge, fuzzy-wuzzy sedge. (*C. complanata* Torr. & Hook. var. *hirsuta* (Willd.) Gleason, *C. triceps* Michx., misapplied). **DC, MD, VA.**

**HIRTA** L. - hammer sedge. **DC** (McAtee 1940, p. 139), **MD:** Carroll Co. (Frye & Lea 2002). Waif.

**hirtifolia** Mack. - pubescent sedge. (*C. pubescens* Muhl. ex Schkuhr). **DC, MD, VA.**

**hitchcockiana** Dewey - Hitchcock's sedge. **DC ?** (several specimens of uncertain locality), **MD, VA:**  
Arlington Co., Little Falls (*Vasey s.n.*, 1874).

**hormathodes** Fernald - marsh straw sedge. **MD:** Calvert Co., Chesapeake Beach (*H.D. House 773*, 1905). Included by some in *C. straminea* Willd. ex Schkuhr (cf. Gleason & Cronquist 1991).

**hyalinolepis** Steud. - shoreline sedge. (*C. lacustris* var. *laxiflora* Dewey, *C. riparia* M.A. Curtis, misapplied). **MD:** Calvert Co., Cove Point Marsh (*B.W. Steury 990703.3*, 1999), **VA:** Stafford Co., Widewater (*Strong & Kelloff 567*, 1988).

**hystericina** Muhl. ex Willd. - porcupine sedge, bottlebrush sedge. **DC, MD:** Baltimore Co., Lutherville (*G.F. Fessenden 5398*, 1952).

**interior** L.H. Bailey - inland sedge, interior sedge. **MD:** Baltimore Co. (B&B 1984; Frye & Lea 2002).

**intumescens** Rudge - greater bladder sedge. **DC, MD, VA.**

**jamesii** Schwein. - James' sedge. (*C. steudelii* Kunth). **DC, MD, VA.**

**joorii** L.H. Bailey - cypress-swamp sedge, Joor's sedge. **MD** (Frye & Lea 2002), **VA:** King George Co. (Atlas).

**lacustris** Willd. - lake-bank sedge. (*C. riparia* M.A. Curtis var. *lacustris* (Willd.) Kük.). **DC, MD:** Prince Georges Co., Bladensburg (*J.W. Chickering, Jr., s.n.*, 1879), **VA.**

## CYPERACEAE

**Carex** - cont.

**laevivaginata** (Kük.) Mack. - smooth-sheathed sedge. **DC, MD, VA.**

**lasiocarpa** Ehrh. - woolly-fruited sedge, many-fruited sedge. (*C. lanuginosa* Michx, in part). **MD:** Frederick Co. (C. Lea, correspondence, Nov. 23, 2001). Fauquier Co. record in Atlas probably *C. pellita*, according to Lea.

**laxiculmis** Schwein. - spreading sedge, lax-culmed sedge. (*C. retrocurva* Dewey). **DC, MD, VA.**

**laxiflora** Lam. - loose-flowered sedge. (*C. anceps* Muhl.). **DC, MD, VA.**

**LEAVENWORTHII** Dewey - Leavenworth's sedge. (*C. cephalophora* var. *angustifolia* Boott, *C. cephalophora* var. *leavenworthii* (Dewey) Kük.). **DC, MD, VA.** Naturalized, from south.

**leptalea** Wahlenb. - bristle-stalked sedge. (*C. harperi* Fernald, *C. polytrichoides* Muhl. ex Schkuhr). **DC, MD, VA.**

**leptonervia** (Fernald) Fernald - nerveless woodland sedge. **MD:** Frederick Co., Gravel Hill swamp (C. Lea 2471, 2001).

**lonchocarpa** Willd. ex Spreng. - southern long sedge. (*C. folliculata* var. *australis* L.H. Bailey). **VA:** Westmoreland Co., Potomac Mills (*Strong, Kelloff & Chanderbali* 958, 1992).

**longii** Mack. - Long's sedge. (*C. albolutescens* Schwein., misapplied, *C. foenea* Willd., misapplied, *C. straminea* Willd. ex Schkuhr, misapplied). **DC, MD, VA** (C. Lea, correspondence, Nov. 23, 2001).

**louisianica** L.H. Bailey - Louisiana sedge. **DC, MD, VA:** King George Co. (Atlas).

**lucorum** Willd. ex Link - Blue Ridge sedge. (*C. pennsylvanica* Lam., in part, including var. *lucorum* (Willd. ex Link) Fernald). **MD:** Frederick & Baltimore cos. (Frye & Lea 2002). MD records all var. *lucorum*, according to Frye & Lea.

**lupuliformis** Sartwell ex Dewey - false hop sedge. **MD:** Montgomery Co., C&O Canal Lock 15 (C. Lea 2092, 2000), Prince George's Co., Patuxent River (*N. Hotchkiss* 6013, 1938). Included in *C. lupulina* in Atlas.

**lupulina** Muhl. ex Willd. - hop sedge. **DC, MD, VA.**

**lurida** Wahlenb. - sallow sedge. **DC, MD, VA.**

**meadii** Dewey - Mead's sedge. **MD** (B&B 1984; Frye & Lea 2002), **VA** (Atlas).

**mesochorea** Mack. - midland sedge. (*C. cephalophora* var. *mesochorea* (Mack.) Gleason). **DC, MD, VA:** Fairfax Co., Dyke (H&S).

**molesta** Mack. ex Bright - troublesome sedge. (*C. festucacea* Schkuhr ex Willd., in part, misapplied (in H&S)). **DC, MD, VA.**

**muhlenbergii** Schkuhr ex Willd. - Muhlenberg's sedge. (*C. plana* Mack.). **DC, MD, VA.**

## CYPERACEAE

**Carex** - cont.

**MURICATA** L. - muricate sedge, Paira's sedge. (*C. pairaei* F.W. Schultz, *C. stellulata* Gooden., misapplied, *C. virens* Lam., in part, misapplied (in H&S)). **MD**: Carroll Co. (B&B 1984, as *C. pairaei*; Frye & Lea 2002), **VA**: Northumberland Co. (Atlas). Naturalized.

**nigromarginata** Schwein. - black-edged sedge, black-margined sedge. **DC, MD, VA.**

**normalis** Mack. - greater straw sedge. (*C. mirabilis* Dewey, *C. straminea* Willd. ex Schkuhr, misapplied). **DC, MD, VA.**

**oligocarpa** Schkuhr ex Willd. - rich-woods sedge, few-fruited sedge. **DC** (*Vasey s.n.*, 1878, as *C. hitchcockiana*), **MD, VA.**

**oxylepis** Torr. & Hook. - sharp-scale sedge. **MD**: St. Mary's Co., Miski Run (*D. Thomson 970515*, 1997, as *C. venusta*), **VA.**

**pallescens** L. - pale sedge. **DC, VA**: Arlington Co. (*T. Holm s.n.*, 1893).

**pellita** Muhl. ex Willd. - woolly sedge. (*C. lanuginosa* Michx., misapplied, *C. lasiocarpa* var. *latifolia* (Boeck.) Gilly). **DC, MD, VA.**

**pensylvanica** Lam. - Pennsylvania sedge. **DC, MD, VA.**

**planispicata** Naczi - flat-spiked sedge. (*C. amphibola* Steud., in part). **DC** (*Vasey s.n.*, 188?; *C. Lea 1043*, 1999), **MD, VA**: Culpeper Co., Mt. Pony (*H.A. Allard 1503, 1506*, 1936).

**PLANTAGINEA** Lam. - plantain-leaved sedge. **MD**: Montgomery Co., Silver Spring (*J.E. Benedict, Jr.*, 6243, 1958), **VA** (Atlas). Species likely planted in W-B Area, from Allegheny Plateau (*C. Lea*, correspondence, Nov. 23, 2001)

**platyphylla** J. Carey - broad-leaved sedge. **DC, MD, VA.**

**prasina** Wahlenb. - drooping sedge. (*C. miliacea* Muhl. ex Schkuhr). **DC, MD, VA.**

**radiata** (Wahlenb.) Small - eastern star sedge. (*C. rosea* Schkuhr ex Willd., misapplied). **DC, MD, VA.** Apparently included in *C. rosea* in Atlas. According to Chris Lea (Nov. 23, 2001), *C. radiata* in B&B 1984 is really *C. appalachia*.

**retroflexa** Muhl. ex Schkuhr - reflexed sedge. **DC, MD, VA.**

**richardsonii** R. Br. - Richardson's sedge. **MD**: Baltimore Co. (*G.R. Fessenden 5138*, 1951). Baltimore and Cecil cos. are only counties in MD where it appears (Frye & Lea 2002).

**rosea** Schkuhr ex Willd. - rosy sedge. (*C. convoluta* Mack.). **DC, MD, VA.**

**scabrata** Schwein. - eastern rough sedge. **MD**: Frederick Co., Foxville (*E. Baltars 4411*, 1969), **VA**: Fauquier Co., Beverley Mill (*H.A. Allard 1598*, 1936).

**scoparia** Schkuhr ex Willd. - pointed broom sedge. (*C. projecta* Mack., misapplied, *C. tribuloides* Wahlenb., misapplied). **DC, MD, VA.**

**seorsa** Howe - weak stellate sedge. (*C. rosaeoides* Howe). **DC, MD, VA.**

**shortiana** Dewey - Short's sedge. **DC, MD, VA.**



## CYPERACEAE

**Carex** - cont.

- silicea** Olney - beach sedge. **DC** ? (*W.H. Seaman s.n.*, date?). Single, old specimen collected "near Washington, D.C.," prior to receipt at US in 1915. Identification confirmed by K. Mackenzie. May have come from shore of Chesapeake Bay (FJH 1941), or possibly the coast.
- sparganioides** Muhl. ex Willd. - bur-reed sedge. **DC, MD, VA.**
- SPICATA** Huds. - prickly sedge. (*C. muricata* L., misapplied). **DC, MD.** Naturalized.
- squarrosa** L. - squarrose sedge. **DC, MD, VA.**
- stipata** Muhl. ex Willd. (*C. uberior* (C. Mohr) Mack.). **DC, MD, VA.**
- straminea** Willd. ex Schkuhr - eastern straw sedge. (*C. hormathodes* Fernald, in part, misapplied (in H&S), *C. richii* (Fernald) Mack.). **DC** (*Vasey s.n.*, 1873), **MD, VA** (Atlas).
- striata** Michx. - Walter's sedge, pocosin sedge. (*C. walteriana* L.H. Bailey). **MD**: Anne Arundel Co. (Frye & Lea 2002).
- striatula** Michx. - lined sedge. (*C. laxiflora* var. *divaricata* L.H. Bailey (type from DC)). **DC, MD, VA.** Atlas, includes *C. styloflexa* in this species.
- stricta** Lam. - tussock sedge, uptight sedge. (*C. angustata* Boott, *C. aquatilis* Wahlenb., misapplied (in H&S), *C. strictior* Dewey). **DC, MD, VA.**
- styloflexa** Buckley - bent sedge. **DC, MD, VA.** Included in *C. striatula* in Atlas.
- swanii** (Fernald) Mack. - Swan's sedge. (*C. virescens* var. *swanii* Fernald). **DC, MD, VA.**
- tenera** Dewey - quill sedge. (*C. festucacea* Schkuhr ex Willd., in part, *C. normalis* Mack., misapplied, *C. straminea* Willd. ex Schkuhr, in part). **DC, MD, VA** (Atlas).
- TEXENSIS** (Torr.) L.H. Bailey - Texas sedge. **DC, MD** (B&B 1984; Frye & Lea 2002). Naturalized, from south.
- tonsa** (Fernald) E.P. Bicknell - shaved sedge, rough-seeded sedge. (*C. rugosperma* (Mack.) Crins, *C. umbellata* Schkuhr ex Willd., misapplied). **DC, MD, VA.**
- torta** Boott ex Tuck. - twisted sedge. **DC, MD, VA.**
- tribuloides** Wahlenb. - blunt broom sedge. (*C. projecta* Mack., probably misapplied by H&S). **DC, MD, VA.**
- trichocarpa** Muhl. ex Willd. - hairy-fruited sedge. **MD** (FJH 1941; Frye & Lea 2002).
- typhina** Michx. - cattail sedge. (*C. squarrosa* var. *typhina* (Michx.) Nutt.). **DC, MD, VA.**
- umbellata** Schkuhr ex Willd. - umbellate sedge. (*C. abdita* E.P. Bicknell, *C. tonsa* (Fernald) E.P. Bicknell, of H&S in part). **DC, MD**: Montgomery Co., Bear Island (*C. Lea 1343*, 2000), **VA** (Atlas).
- utriculata** Boott - Northwest Territories sedge. (*C. rostrata* Stokes var. *utriculata* (Boott) L.H. Bailey). **DC, MD**: Frederick Co. (Frye & Lea 2002).

## CYPERACEAE

**Carex** - cont.

**venusta** Dewey - dark green sedge. (*C. oblita* Steud.). **MD**.

**vestita** Willd. - velvet sedge. **DC, MD**.

**virescens** Muhl. ex Willd. - ribbed sedge. (*C. costata* Schwein., *C. "costellata* Britton" (H&S)). **DC, MD, VA**.

**viridula** Michx. - little green sedge. (*C. oederi* Retz., misapplied). **DC** (H&S; Frye & Lea 2002).

**vulpinoidea** Michx. - foxtail sedge. (*C. setacea* Dewey, in part). **DC, MD, VA**.

**willdenowii** Schkuhr ex Willd. - Willdenow's sedge. **DC, MD, VA**.

**woodii** Dewey - Wood's sedge, pretty sedge. (*C. tetanica* Schkuhr, misapplied (H&S), *C. tetanica* var. *woodii* (Dewey) L.H. Bailey). **DC, MD**.

**Cladium**

**mariscoides** (Muhl.) Torr. - twig-rush, smooth saw-grass. **MD, VA**: King George Co. (Atlas).

**Cyperus**

**amuricus** Maxim. - Asian flatsedge. (*C. microiria* Steud.). **DC** (*E.C. Leonard 10401*, 1933, as *C. iria*). Specimen determined by M.T. Strong, 1994.

**bipartitus** Torr. - shining cyperus, shining flatrush. (*C. diandrus* Torr., misapplied, *C. rivularis* Kunth). **DC, MD, VA**.

**compressus** L. - flattened galingale, flat cyperus, poor-land flatsedge. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a), **VA**: Lancaster Co. (Atlas).

**croceus** Vahl - Baldwin's flatsedge. (*C. globulosus* Aubl., misapplied). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *C. globulosus*); Charles Co., Mattawoman Creek (*M.T. Strong 1988*, 1999). **VA**: Westmoreland Co. (*M.T. Strong et al. 968*, 1992).

**dentatus** Torr. - toothed galingale, toothed flatsedge. **DC**: Long Bridge (*C. Mohr & Vasey s.n.*, 1882). A second DC specimen from 1880s lacks collector and date.

**diandrus** Torr. - low cyperus, umbrella flatsedge. **DC** (*W.H. Seaman s.n.*, undated; annotated by M.T. Strong, 1994), **VA** (Atlas).

**DIFFORMIS** L. - variable flatsedge. **MD**: Prince Georges Co., Suitland Bog (*M.T. Strong 2630*, 2000), **VA**: Fairfax Co., Dyke Marsh (*S.G. Shetler & A.E. Schuyler s.n.*, 1979), Springfield (*M.T. Strong 2230*, 1999). Naturalized.

**echinatus** (L.) A.W. Wood - globose cyperus, globe flatsedge. (*C. ovularis* (Michx.) Torr.). **DC, MD, VA**.

**erythrorhizos** Muhl. - red-rooted galingale, red-root flatsedge. **DC, MD, VA**.

**esculentus** L. - yellow nutsedge, chufa, edible nutgrass, yellow nutgrass. (*C. phymatodes* Muhl.). **DC, MD, VA**.

**filicinus** Vahl. - Nuttall's cyperus, fern flatsedge. (*C. nuttallii* Eddy, *C. polystachyos* var. *filicinus* (Vahl) C.B. Clarke). **MD, VA**.

## CYPERACEAE

**Cyperus** - cont.

- flavescens** L. - yellow galingale, yellow flatsedge. (*C. poaeformis* Pursh). **DC, MD, VA.**
- flavicomus** Michx. - white-edge flatsedge. (*C. albomarginatus* (Mart. & Schrad. ex Nees) Steud.). **VA.**
- fuscus** L. - dusky galingale, brown cyperus, brown flatsedge. **DC** (*E.S. Steele s.n.*, 1899), **MD**: Anne Arundel Co., Curtis Bay (*C.C. Plitt s.n.*, "about 1904"); Baltimore City, Canton, chrome ore piles (Reed 1964a), **VA**: Alexandria (*E.S. Steele s.n.*, 1899).
- grayi** Torr. - Gray's galingale, eastern Gray's flatsedge. (*C. filiculmis* Vahl var. *oblitus* Fernald & Griscom). **MD, VA.**
- haspan** L. - sheathed flatsedge. **VA**: Stafford Co., Brent Marsh (*M.T. Strong et al. 1248*, 1994).
- hystricinus** Fernald - bristly flatsedge. (*C. retrofractus* var. *hystricinus* (Fernald) Kük.). **MD**: Anne Arundel Co. (*H. O'Neill 9239*, 1946; *M. Stieber 109*, 1966).
- iria** L. - yellow cyperus, rice-field flatsedge. **DC** (*R. Kanal 673*, 1989), **MD, VA.** Naturalized.
- lancastriensis** Porter ex A. Gray - Lancaster's cyperus, many-flowered flatsedge. **DC, MD, VA.**
- lupulinus** (Spreng.) Marcks - slender cyperus, Great Plains flatsedge. (*C. filiculmis* Vahl, misapplied). **DC, MD, VA.**
- MICROIRIA** Steud. - small yellow cyperus. **DC** (*E.C. Leonard 10401*, 1933, as *C. iria*). Waif. Annotated by M.T. Strong, 1994.
- odoratus** L. - fragrant galingale, rusty flatsedge. (*C. engelmannii* Steud., *C. ferax* Rich., *C. ferruginescens* Boeck., *C. michauxianus* Schult., *C. speciosus* Vahl). **DC, MD, VA.**
- plukenetii** Fernald - Plukenet's flatsedge. (*C. retrofractus* (L.) Torr., misapplied). **DC**: Munger's Hill (*L.F. Ward s.n.*, 1882, as *C. lancastriensis*). Specimen determined by M.T. Strong.
- polystachyos** Rottb. - coast cyperus, many-spiked galingale, many-spiked flatsedge. (*C. microdontus* Torr., *C. nuttallii* Eddy, misapplied). **DC, MD, VA.**
- pseudovegetus** Steud. - green galingale, marsh flatsedge. (*C. virens* Michx., misapplied, *C. virens* var. *arenicola* (Boeck.) Shinnars). **DC, MD, VA.**
- refractus** Engelm. ex Boeck. - reflexed cyperus, reflexed flatsedge. (*C. engelmannii* Steud., misapplied). **DC, MD, VA.**
- retrofractus** (L.) Torr. - teasel-like galingale, rough flatsedge. (*C. dipsaciformis* Fernald (type from W-B Area)). **DC, MD, VA.**
- retrorsus** Chapm. - pine-barren flatsedge. (*C. cylindricus* (Elliott) Britton, *C. torreyi* Britton). **DC, MD, VA.**
- rotundus** L. - nutgrass, purple flatsedge. **DC** (*E.S. Steele s.n.*, 1899), **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from tropics.
- squarrosa** L. - awned cyperus, awned flatsedge. (*C. aristatus* Rottb., *C. inflexus* Muhl.). **DC, MD, VA.**

## CYPERACEAE

**Cyperus** - cont.

**strigosus** L. - straw-colored cyperus, false nutsedge, galingale, straw-colored flatsedge. **DC, MD, VA.**

**Dulichium**

**arundinaceum** (L.) Britton - three-way sedge, three-square sedge. (*D. spathaceum* Pers.). **DC, MD, VA.**

**Eleocharis**

**acicularis** (L.) Roem. & Schult. - least spikerush, needle spikerush. **DC, MD, VA.**

**albida** Torr. - white spikerush. **MD:** St. Mary's co., Piney Point (*G. Vasey s.n.*, 1873, 1874), Tall Timbers (1928, see FJH 1946), **VA:** Lancaster Co., Windmill Point (*L.B. Smith 5525*, 1951).

**compressa** Sull. - flattened spikerush, flat-stem spikerush. (*E. acuminata* (Muhl.) Nees). **DC, MD.**

**elliptica** Kunth - elliptic spikerush. (*E. tenuis* var. *borealis* Svenson). **VA:** Fairfax Co. (Atlas).

**engelmannii** Steud. - Engelmann's spikerush. (*E. obtusa* var. *engelmannii* (Steud.) Gilly, *E. ovata* (Roth) Roem. & Schult. var. *engelmannii* (Steud.) Britton). **MD, VA.**

**erythropoda** Steud. - bald spikerush. (*E. calva* Torr., *E. glaucescens* Willd., misapplied, *E. palustris* (L.) Roem. & Schult., misapplied). **DC, MD, VA.**

**fallax** Weath. - creeping spikerush. (*E. ambigens* Fernald). **VA** (Atlas).

**flavescens** (Poir.) Urban - yellow spikerush. (*E. flaccida* (Rchb.) Urban, *E. ochreata* Steud.). **MD, VA:** Stafford Co., Aquia Creek (*H.K. Svenson s.n.*, 1955).

**halophila** Fernald & Brack. - saltmarsh spikerush. **MD:** Anne Arundel Co. (B&B 1984).

**intermedia** (Muhl.) Schult. - intermediate spikerush. **MD.**

**microcarpa** Torr. - small-fruited spikerush. **MD:** St. Mary's Co., Christmas Hill (*E.H. Walker 3925*, 1945).

**obtusa** (Willd.) Schult. - blunt spikerush. **DC, MD, VA.**

**olivacea** Torr. - olive-brown spikerush, bright-green spikerush. (*E. flaccida* (Rchb.) Urban, misapplied (in H&S), *E. flavescens* var. *olivacea* (Torr.) Gleason, *E. ochreata* Steud., misapplied).

**palustris** (L.) Roem. & Schult. - common spikerush, marsh spikerush. (*E. calva* Torr. var. *australis* (Nees) H. St. John). **MD, VA.**

**parvula** (Roem. & Schult.) Link ex Bluff, Nees & Schauer - small spikerush, small-headed spikerush. (*Scirpus nanus* Spreng.). **MD, VA:** Lancaster Co., Windmill Point (*L.B. Smith 5524*, 1951).

**quadrangulata** (Michx.) Roem. & Schult. - four-angled spikerush, square-stem spikerush. **DC, MD, VA** (Atlas).

**rostellata** (Torr.) Torr. - small-beaked spikerush, beaked spikerush. **MD.**

## CYPERACEAE

**Eleocharis** - cont.

**tenuis** (Willd.) Schult. - slender spikerush, kill-cow, doghair. (*E. capitata* (L.) R. Br., misapplied). **DC, MD, VA.**

**tortilis** (Link) Schult. - twisted spikerush. **MD, VA.**

**tuberculosa** (Michx.) Roem. & Schult. - tubercled spikerush, cone-cup spikerush. **DC, MD, VA.**

**Eriophorum**

**virginicum** L. - tawny cottongrass, cottongrass. **DC, MD, VA** (Atlas).

**Fimbristylis**

**annua** (All.) Roem. & Schult. - annual fimbry. (*F. baldwiniana* (Schult.) Torr., *F. laxa* Vahl, misapplied). **MD, VA.**

**autumnalis** (L.) Roem. & Schult. - slender fimbry. (*F. mucronulata* (Michx.) S.F. Blake). **DC, MD, VA.**

**caroliniana** (Lam.) Fernald - Carolina fimbry. **MD:** Calvert Co. (FJH 1946).

**castanea** (Michx.) Vahl - marsh fimbry. (*F. spadicea* (L.) Vahl, misapplied). **MD, VA.**

**Fuirena**

**squarrosa** Michx. - recurved umbrella-grass, hairy umbrella-sedge. (*F. hispida* Elliott, misapplied). **DC, MD, VA:** Arlington Co. (*P. Dowell 6375*, 1910).

**Kyllinga**

**BREVIIFOLIA** Rottb. - short-leaf spikesedge. (*Cyperus brevifolius* (Rottb.) Endl. ex Hassk.). **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Naturalized. Thought by some to be native (Kartesz 1999).

**GRACILLIMA** Miq. - slender kyllinga, pasture spikesedge. (*Cyperus brevifolioides* Thieret & Delahoussaye, *C. brevifolius* (Rottb.) Endl. ex Hassk., misapplied, *K. brevifolioides* (Thieret & Delahoussaye) G.C. Tucker). **DC, MD, VA.** Naturalized. Thought by some to be native (Kartesz 1999).

**pumila** Michx. - low kyllinga, low spikesedge. (*Cyperus densicaespitosus* Mattfl. & Kük. ex Kük., *C. tenuifolius* (Steud.) Dandy, *K. tenuifolia* Steud.). **DC, MD, VA.**

**Lipocarpha**

**micrantha** (Vahl) G.C. Tucker - small-flowered lipocarpha, small-flowered halfchaff sedge. (*Hemicarpha micrantha* (Vahl) Pax). **DC:** Zoological Park (H&S), **MD:** Howard Co., Patuxent River (Riefner & Hill 1983); Montgomery Co., "Potomac bottomland near Lock no. 9" (H&S), **VA:** Fairfax Co. (Atlas). Apparently, one or more specimens in US have disappeared.

**Rhynchospora**

**alba** (L.) Vahl - white beak-rush, white beak-sedge. **DC, MD.**

**capitellata** (Michx.) Vahl - small-headed beak-rush, brownish beak-sedge. (*R. glomerata* (L.) Vahl, misapplied). **DC, MD, VA.**

## CYPERACEAE

**Rhynchospora** - cont.

**cephalantha** A. Gray - capitate beak-rush, bunched beak-sedge. (*R. axillaris* (Lam.) Britton). **MD**: Prince George's Co., Suitland Bog (several collections), **VA**: Arlington Co. (*T. Holm s.n.*, 1897).

**chalarocephala** Fernald & Gale - loose-headed beak-rush, loose-headed beak-sedge. **VA**: Stafford Co. (Atlas).

**corniculata** (Lam.) A. Gray - horned-rush, short-bristled horned beak-sedge. **MD**: Montgomery Co., Sandy Landing (*L.F. Ward s.n.*, 1886), **VA** (Atlas).

**fusca** (L.) W.T. Aiton - sooty beak-rush, brown beak-sedge. **DC**?: "Near Washington **DC**" (*G. Vasey s.n.*, 188?). Locality "doubtful" (H&S).

**globularis** (Chapm.) Small - globular beak-rush, globe beak-sedge. **VA** (Atlas).

**glomerata** (L.) Vahl - clustered beak-rush, clustered beak-sedge. **VA** (Atlas).

**gracilentata** A. Gray - slender beak-rush, slender beak-sedge. **DC** (*E.S. Steele s.n.*, 1901), **MD, VA** (*M.T. Strong 1984, 1999*).

**inexpansa** (Michx.) Vahl - nodding beak-rush, nodding beak-sedge. **VA**: Lancaster Co. (Atlas).

**macrostachya** Torr. ex A. Gray - horned-rush, tall horned beak-sedge. **DC, MD, VA**.

**microcephala** (Britton) Britton - tiny-headed beak-rush, small-headed beak-sedge. (*R. cephalantha* var. *microcephala* (Britton) Kük.). **MD, VA**: King George Co. (Atlas).

**oligantha** A. Gray - few-flowered beak-rush, feather-bristle beak-sedge. **MD**: Prince George's Co., Suitland Bog (*F.H. Sargent 6370, 1953; F.J. Hermann 14414, 1958*).

**recognita** (Gale) Kral - coarse globe beak-rush, coarse globe beak-sedge. (*R. cymosa* Elliott, *R. globularis* var. *recognita* Gale). **DC, MD, VA**.

**Schoenoplectus**

**acutus** (Muhl. ex Bigelow) A. Löve & D. Löve - hard-stem bulrush, hard-stem club-rush. (*Scirpus acutus* Muhl. ex Bigelow). **VA**: Arlington (*G. McCarthy s.n.*, 1888, as *Scirpus pungens* Vahl).

**americanus** (Pers.) Volkart ex Schinz & R. Keller - three-square, Olney three-square, chairmaker's-rush, chairmaker's club-rush. (*Scirpus americanus* Pers., *S. olneyi* A. Gray). **MD, VA** (Atlas).

**fluviatilis** (Torr.) M.T. Strong - river bulrush, river club-rush. (*Scirpus fluviatilis* (Torr.) A. Gray). **DC, MD, VA** (Atlas).

**maritimus** (L.) Lye - alkali bulrush, salt-marsh club-rush. (*Scirpus maritimus* L.). **VA**: Stafford Co. (Atlas).

**novae-angliae** (Britton) M.T. Strong - New England bulrush, New England club-rush. (*Scirpus cylindricus* (Torr.) Britton, *S. novae-angliae* Britton, *S. robustus* Pursh var. *novae-angliae* (Britton) Beetle). **MD**: Harford Co. (*E. Baltars 1190, 1957*), **VA**: Stafford Co. (*N. Hotchkiss & F.M. Uhler 7143, 1947*, as *Scirpus robustus* var. *novae-angliae*).

**pungens** (Vahl) Palla - common three-square. (*Scirpus americanus* Pers., misapplied, *S. pungens* Vahl). **DC, MD, VA**.

## CYPERACEAE

**Schoenoplectus** - cont.

**purshianus** (Fernald) M.T. Strong - Pursh's bulrush, weak-stalked club-rush. (*Scirpus debilis* Pursh, not Lam., *S. purshianus* Fernald). **DC, MD, VA**. Included by some in *Schoenoplectus smithii*.

**robustus** (Pursh) M.T. Strong - salt-marsh bulrush, stout bulrush, seaside club-rush. (*Scirpus robustus* Pursh). **MD, VA**.

**smithii** (A. Gray) Soják - blunt-scale bulrush, Smith's club-rush. (*Scirpus smithii* A. Gray). **MD (B&B), VA**: Alexandria (*G.H. Shull 214*, 1902). Some include *Schoenoplectus purshianus* here.

**subterminalis** (Torr.) Soják - water bulrush, swaying-rush, swaying club-rush. (*Scirpus subterminalis* Torr.). **MD**: Anne Arundel Co., Fresh Pond (*J.E. Benedict, Jr., et al. 6286*, 1958).

**validus** (Vahl) A. Löve & D. Löve - soft-stem bulrush, great bulrush, soft-stem club-rush. **DC, MD, VA**. Included by some in Eurasian *Schoenoplectus tabernaemontani* (C.C. Gmel.) Palla (*Scirpus tabernaemontani* C.C. Gmel.)

**Scirpus**

**atrovirens** Willd. - black bulrush, dark green bulrush. **DC, MD, VA**.

**cyperinus** (L.) Kunth - wool-grass, cottongrass bulrush. (*S. eriophorum* Michx., *S. rubricosus* Fernald). **DC, MD, VA**.

**expansus** Fernald - woodland bulrush. (*S. sylvaticus* L., misapplied). **DC** (*Vasey s.n.*, 1881, as *S. sylvaticus*), **MD**: Baltimore Co. (B&B 1984), **VA**: Fairfax Co., McLean (?*Vasey s.n.*, 1877, as *S. sylvatica*); Stafford Co. (Atlas).

**georgianus** R.M. Harper - Georgia bulrush. (*S. atrovirens* var. *georgianus* (R.M. Harper) Fernald). **DC, MD, VA**.

**pendulus** Muhl. - reddish bulrush, rufous bulrush. (*S. lineatus* Michx., misapplied). **DC, MD, VA**.

**polyphyllus** Vahl - many-leaved bulrush, leafy bulrush. **DC, MD, VA**.

**Scleria**

**ciliata** Michx. - fringed nutrush. **VA**: Culpeper Co., Buzzard Mt. (*H.A. Allard 21476*, 1953).

**minor** W. Stone - slender nutrush. **MD**: Prince George's Co. (Reveal & Broome 1981, 1 collection in 1905).

**oligantha** Michx. - little-headed nutrush, few-flowered nutrush. **DC** (*Vasey s.n.*, 1874), **VA**: Culpeper Co. (several collections). In addition to a Vasey specimen, presumably this one, Ward (1881) cited the DC locality "Rock Creek above Davis's Quarry." Hitchcock and Standley (1919) mistakenly treat the two citations as one.

**pauciflora** Muhl. ex Willd. - Carolina whipgrass, few-flowered nutrush. **DC, MD, VA**.

**reticularis** Michx. - netted nutrush, reticulate nutrush, Muhlenberg's nutrush. (*S. muhlenbergii* Steud., *S. setacea* Poir., misapplied). **DC, MD**.

**triglomerata** Michx. - whipgrass, three-clustered nutrush, whip nutrush. **DC, MD, VA** (Atlas).

## CYPERACEAE - HYDROCHARITACEAE

**Trichophorum**

**planifolium** (Spreng.) Palla - bashful leafless-bulrush. (*Baeothryon verecundum* (Fernald) A. Löve & D. Löve, *Isolepis planifolius* Spreng., *Scirpus planifolius* Muhl., *S. verecundus* Fernald). **DC, MD, VA.**

DIOSCOREACEAE *The Yam Family***Dioscorea**

**OPPOSITIFOLIA** L. - Chinese yam, cinnamon-vine, potato-vine. (*D. batatas* Decne.). **DC, MD:** Montgomery Co., Silver Spring (*E.A. Cohen, Jr., s.n., 1977*), **VA** (Atlas). Escape.

**villosa** L. - wild yam, yam-root, colicroot. (*D. glauca* Muhl. ex Bartlett, *D. hirticaulis* Bartlett, *D. paniculata* Michx., *D. quaternata* J.F. Gmel.). **DC, MD, VA.**

ERIOCAULACEAE *The Pipewort Family***Eriocaulon**

**aquaticum** (Hill) Druce - seven-angled pipewort. (*E. pellucidum* Michx., *E. septangulare* With., name invalid). **MD:** Anne Arundel Co., Fresh Pond (*N. Hotchkiss 7301, 1950, as E. septangulare*), **VA:** Fairfax Co., Mt. Vernon (*E.B. Harger 3001, 1898, as E. septangulare*).

**compressum** L. - flattened pipewort. **VA:** Arlington Co. (Atlas).

**decangulare** L. - ten-angled pipewort. **DC, MD.**

**parkeri** B.L. Robins. - (*E. septangulare* With., misapplied). **DC:** Eastern Branch (*L.F. Ward s.n., 1882*), **MD, VA.**

HYDROCHARITACEAE *The Frog-bit Family***EGERIA**

**DENSA** Planch. - Brazilian waterweed. (*Anacharis densa* (Planch.) Vict., *Elodea densa* (Planch.) Casp.). **MD, VA:** Fairfax Co. (Atlas). Escape.

**Elodea**

**canadensis** F. Michx. - common waterweed, Canada waterweed. (*Anacharis canadensis* (Michx.) Planch., *Philotria canadensis* (Michx.) Britton). **DC ?** (several old specimens with imprecise localities), **MD, VA.**

**nuttallii** (Planch.) H. St. John - western waterweed, free-flowered waterweed. (*Anacharis canadensis* (Michx.) Planch., misapplied, *A. occidentalis* (Pursh.) Vict., *E. canadensis* Michx., misapplied, *E. occidentalis* (Pursh) H. St. John). **DC, MD, VA.**

**HYDRILLA**

**VERTICILLATA** (L.f.) Royle - hydrilla, water-thyme. **DC** (Steward et al. 1984), **MD:** Montgomery Co. (Steward et al. 1984), **VA:** Fairfax Co. (Steward et al. 1984), Fauquier Co. (Atlas). Naturalized.

**Limnobium**

**spongia** (Bosc) Rich. ex Steud. - American frog-bit, American sponge-plant. **VA** (Atlas).



**HYDROCHARITACEAE - JUNCACEAE****Vallisneria**

Michx. - eel-grass, wild-celery, water-celery. (*V. spiralis* L., misapplied). **DC, MD, VA.**

IRIDACEAE *The Iris Family***BELAMCANDA**

**CHINENSIS** (L.) **DC.** - blackberry-lily, leopard-flower. (*Gemmingia chinensis* (L.) Kuntze, *Pardanthus chinensis* (L.) Ker Gawl.). **DC, MD, VA.** Naturalized.

**Iris**

**cristata** Aiton - dwarf crested iris, crested iris. **DC, MD, VA.** All US specimens very old.

**GERMANICA** L. - German iris, bearded iris, flag, fleur-de-lis. **DC** ?(can be inferred from FJH 1946), **MD** (inferred from B&B 1984), **VA**: Stafford Co. (Atlas). Persisting from introduction and escaping.

**prismatica** Pursh ex Ker Gawl. - slender blue flag, slender blue iris. **MD, VA.** In VA sector, a single population known from Great Falls, Fairfax Co.

**PSEUDACORUS** L. - yellow flag, water flag, yellow iris. **DC, MD, VA.** Naturalized.

**verna** L. - dwarf iris, dwarf violet iris, spring iris. **MD, VA** (Atlas). All US specimens very old.

**versicolor** L. - blue flag, northern blue flag. **DC, MD, VA.** Careful study of US specimens and local populations is needed and is likely to show that *I. virginica* is the dominant species in the W-B Area.

**virginica** L. - southern blue flag, Virginia blue flag. (*I. versicolor* L., misapplied). **MD, VA.**

**Sisyrinchium**

**angustifolium** Mill. - narrow-leaved blue-eyed-grass, stout blue-eyed-grass. (*S. gramineum* Lam., *S. graminoides* E.P. Bicknell). **DC, MD, VA.**

**atlanticum** E.P. Bicknell - eastern blue-eyed-grass. **DC**: Kenilworth Swamp (*E.S. Steele s.n.*, 1900), **MD** (3 old specimens), **VA**: Richmond Co. (Atlas).

**fuscatum** E.P. Bicknell - coastal-plain blue-eyed-grass. **VA**: Fairfax Co. (Atlas, as *S. arenicola* E.P. Bicknell).

**montanum** Greene - strict blue-eyed-grass. **MD**: Baltimore Co., Soldier's Delight (*F.R. Fosberg 18474*, 1941), **VA**: Fauquier Co., Beverly Mill (*H.A. Allard 4750*, 1938).

**mucronatum** Michx. - slender blue-eyed-grass, needle-tip blue-eyed-grass. (*S. intermedium* E.P. Bicknell). **DC, MD, VA.**

JUNCACEAE *The Rush Family***Juncus**

**acuminatus** Michx. - sharp-fruited rush, knotty-leaved rush. **DC, MD, VA.**

**arcticus** Willd. - arctic rush. (*J. balticus* Willd.). **MD**: Harford Co. (B&B 1984).

**brachycarpus** Engelm. - white-root rush, short-fruited rush. **MD, VA**: Fairfax Co. (Atlas).

## JUNCACEAE

**Juncus** - cont.

- bufonius** L. - toad rush. **DC, MD, VA.** Not collected since 1917.
- caesariensis** Coville - New Jersey rush. (*J. asper* Engelm.). **DC** (Brooks & Clemants 2000), **MD**: Anne Arundel Co. (FJH 1941), Charles Co. (*Strong & Sheridan 1138*, 1994). Hermann's report apparently based on a collection from "a peat bog near Glen Burnie," in 1905, cited by Reveal & Broome (1981) as only collection from MD as of 1981.
- canadensis** J. Gay - Canada rush. **DC, MD, VA.**
- coriaceus** Mack. - leathery rush. (*J. setaceus* Rostk., misapplied). **MD, VA.**
- debilis** A. Gray - weak rush. **DC**: Anacostia Park (*R. Kanal 760*, 1991, **MD, VA.**
- dichotomus** Elliott - forked rush. (*J. platyphyllus* (Wiegand) Fernald, *J. tenuis* var. *platyphyllus* F.J. Herm.). **DC, MD, VA.**
- DIFFUSISSIMUS** Buckley - slim-pod rush. **DC**: Rock Creek Park (Fleming & Kanal 1992), **MD, VA** (Atlas). Probably naturalized, from South America (Brooks & Clemants 2000).
- dudleyi** Wiegand - Dudley's rush. (*J. tenuis* var. *dudleyi* (Wiegand) F.J. Herm.). **DC, MD, VA** (Atlas).
- effusus** L. - soft rush, common rush, lamp rush. (*J. conglomeratus* L.). **DC, MD, VA.** Many varieties have been described; var. *solutus* Fernald & Wiegand is common one in W-B Area.
- elliottii** Chapm. - Elliott's rush. **MD**: St. Mary's Co., St. Inigoes (collected 1998 by Charles Davis, personal communication, June 2002).
- gerardii** Loisel. - black-grass. **MD, VA.**
- longii** Fernald - Long's rush. **DC**: Holmead Swamp (*L.F. Ward s.n.*, 1877), **MD, VA.** Recognition of this species based on collections and annotations of M.T. Strong. Brooks and Clemants (2000) include this species in *J. marginatus*.
- marginatus** Rostk. - grass-leaved rush. (*J. aristulatus* Michx., misapplied, *J. biflorus* Elliott, *J. odoratus* (Torr.) Steud.). **DC, MD, VA.**
- pelocarpus** E. Mey. - brown-fruited rush. (*J. abortivus* Chapm.). **MD**: Anne Arundel Co. (several localities).
- repens** Michx. - creeping rush, lesser creeping rush. (FJH 1946).
- roemerianus** Scheele - needle rush, Roemer's rush. **MD**: Charles Co., Rock Point (*F.J. Hermann 14363*, 1958), **VA**: Lancaster Co., Westland (*F.J. Hermann 10574*, 1940).
- scirpoides** Lam. - needle-pod rush, scirpus-like rush. **DC, MD, VA.**
- secundus** P. Beauv. ex Poir. - lopsided rush. (*J. tenuis* var. *secundus* (P. Beauv. ex Poir.) Engelm.). **DC, MD, VA.**
- subcaudatus** (Engelm.) Coville & Blake - tailed rush. (*J. canadensis* var. *subcaudatus* Engelm.). **DC, MD, VA.**

## JUNCACEAE - LEMNACEAE

**Juncus** - cont.

**tenuis** Willd. - path rush. (*J. macer* Gray). **DC, MD, VA.** *J. tenuis* var. *anthelatus* Wiegand, variously treated as a form or variety of *J. macer* or *J. tenuis*, has recently been treated as a separate species, *J. anthelatus* (Wiegand) R.E. Brooks (Brooks and Clemants 2000). W-B Area specimens need study in this respect.

**torreyi** Coville - Torrey's rush. (*J. megacephalus* (Torr.) A.W. Wood, *J. nodosus* var. *megacephalus* Torr.). **DC, MD, VA:** Arlington Co. (*E.S. Steele s.n.*, 1898). Specimen from "Reservoir, Howard Univ." on same herbarium sheet.

**validus** Coville - round-headed rush. **MD:** Harford Co., Abington (*E. Baltars 4433*, 1969, annotated "First Md. record"); Prince George's Co., Beltsville (*M.T. Strong 1970*, 1999).

**Luzula**

**acuminata** Raf. - hairy woodrush. (*L. carolinae* S. Watson, *L. saltuensis* Fernald). **MD, VA.**

**bulbosa** (A.W. Wood) Smyth & L.C.R. Smyth - bulbous woodrush. (*Juncooides bulbosum* (A.W. Wood) Small, *J. campestris* (L.) Kuntze var. *bulbosum* Coville & S.F. Blake, *J. multiflora* var. *bulbosa* (A.W. Wood) F.J. Herm., *L. campestris* (L.) DC. var. *bulbosa* A.W. Wood, *L. multiflora* var. *bulbosa* (A.W. Wood) F.J. Herm.). **DC, MD, VA.** Material of *L. bulbosa*, *L. echinata*, and *L. multiflora* from W-B Area needs careful study.

**echinata** (Small) F.J. Herm. - hedgehog woodrush, sea-urchin woodrush. (*Juncooides campestris* var. *echinatum* (Small) Coville & S.F. Blake, *J. echinatum* Small, *L. campestris* var. *echinata* (Small) Fernald & Wiegand, *L. multiflora* var. *echinata* (Small) Mohlenbr.). **DC, MD, VA.**

**multiflora** (Ehrh.) Lej. - common woodrush. (*L. campestris* var. *multiflora* (Ehrh.) Célak.). **DC, MD: ?** Prince Georges Co., Sarracenia Swamp (no collector, 1879), **VA:** Prince William Co., Thoroughfare Gap (*H.A. Allard 7620B*, 1940).

JUNCAGINACEAE *The Arrow-grass Family***Triglochin**

**striata** Ruiz & Pav. - southern arrow-grass, striated arrow-grass, three-rib arrow-grass. **VA:** Westmoreland Co. (Atlas). Included by FJH 1946 on basis of Muenscher's map (1944, p.78, Map 65), which, however, is not detailed enough to pinpoint W-B Area.

LEMNACEAE *The Duckweed Family***Lemna**

**gibba** L. - swollen duckweed. **DC** (Kartesz 1999), **MD:** Prince George's Co., Beltsville (Terrell et al. 2000).

**minor** L. - common duckweed. **DC, MD:** Montgomery Co., Plummer's I. (*N. Hotchkiss 3590*, 1961), **VA.**

**obscura** (Austin) Daubs - little water duckweed. (*L. minor* var. *obscura* Austin). **DC:** Kenilworth Aquatic Gardens (*F.J. Hermann 11658*, 1950), **MD.**

**perpusilla** Torr. - minute duckweed. **DC** (Kartesz 1999), **MD, VA.**

**trisulca** L. - star duckweed, ivy-leaved duckweed. **MD:** Calvert Co., Long Beach (*F.M. Uhlers.n.*, 1948; *N. Hotchkiss 7349*, 1952; see also B&B 1984).

## LEMNACEAE - LILIACEAE

**Lemna** - cont.

**turonifera** Landolt - winter duckweed, turion duckweed. **DC** (Kartsez 1999), **MD**: Prince George's Co., Beltsville (Terrell et al. 2000).

**valdiviana** Phil. - pale duckweed, valdivia duckweed. **DC**, **MD**: Montgomery Co., Broadwater (*E.C. Leonard 1370*, 1919, with *Lemna perpusilla*), **VA** (Atlas).

**Spirodela**

**polyrrhiza** (L.) Schleid. - greater duckweed, water-flaxseed, common duck-meal. (*Lemna polyrrhiza* L.). **DC** (*E.L. Morris 207a*, 1899), **MD**, **VA**.

**punctata** (G. Mey.) C.H. Thomps. - eastern water-flaxseed, dotted duck-meal, dotted duck-meal. (*S. oligorrhiza* (Kurz) Hegelm.). **DC**: Kenilworth Aquatic Gardens (*F.J. Hermann 11716*, 1951 - "second U.S. record"), **MD**: Harford Co., Aberdeen Proving Ground (*B.W. Steury 990626.4*, 1999), **VA** (Atlas).

**Wolffia**

**brasilensis** Wedd. - pointed water-meal, Brazilian water-meal. (*W. papulifera* C.H. Thomps., *W. punctata* Griseb.). **DC** (B&B 1984, as *W. punctata*), **MD**, **VA**: Fairfax Co., Huntley Meadows (*F.R. Fosberg 65289-a*, 1987).

**columbiana** H. Karst. - water-meal. **DC**: Kenilworth Aquatic Gardens (*F.J. Hermann 11719*, 1951), **MD**, **VA** (Atlas).

**Wolffiella**

**gladiata** (Hegelm.) Hegelm. - sword bogmat. (*W. floridana* Donn. Sm.). **DC**: Kenilworth Aquatic Gardens (*S.F. Blake 10867*, 1929; *F.J. Hermann 11658*, 1950 - both as *W. floridana*).

LILIACEAE *The Lily Family***Aletris**

**aurea** Walter - yellow stargrass, golden colicroot. **MD**: Prince George's Co., Laurel (*W.L. McAtee 2909*, 1918).

**farinosa** L. - unicorn-root, white stargrass, white colicroot. **DC**, **MD**, **VA**.

**Allium**

**canadense** L. - meadow garlic, wild onion, wild garlic. **DC**, **MD**, **VA**.

**CEPA** L. - garden onion. **W-B Area** (FJH 1941). Rare escape.

**cernuum** Roth - nodding onion, wild onion. **DC**, **MD**, **VA**.

**OLERACEUM** L. - field garlic. **VA**: Westmoreland Co. (FJH 1946). Waif.

**PORRUM** L. - leek. **W-B Area** (FJH 1941, as *A. ampeloprasum* L. var. *porrum* (L.) Regel). Rare escape.

**SATIVUM** L. - garlic. **DC**. Rare escape.

**SCHOENOPRASUM** L. - chives. **MD**: Prince George's Co., Beltsville (Terrell et al. 2000). Rare escape.

**triccoccum** Aiton - ramp, wild leek. **DC** (*L.F. Ward s.n.*, 188?), **MD**, **VA** (Atlas).

**LILIACEAE****Allium** - cont.

**VINEALE** L. - wild garlic, field garlic, crow garlic. **DC, MD, VA.** Naturalized.

**Amianthium**

**muscitoxicum** (Walter) A. Gray - fly-poison. (*Chrosperma muscitoxicum* (Walter) Kuntze). **MD.** Known only from Ammendale and Suitland Bog; not collected since 1921.

**ASPARAGUS**

**OFFICINALIS** L. - asparagus. **DC, MD, VA.** Naturalized.

**CAMASSIA**

**SCILLOIDES** (Raf.) Cory - wild hyacinth, Atlantic camas. **DC:** Battery Kemble Park (*P. Fleming 900*, 1988), **MD:** Prince George's Co. (B&B 1984). Probably an escape at these sites.

**Chamaelirium**

**luteum** (L.) A. Gray - devil's-bit, blazing-star, fairy-wand. (*C. carolinianum* Willd.). **DC, MD, VA.**

**CONVALLARIA**

**MAJALIS** L. - lily-of-the-valley, European lily-of-the-valley. **MD:** Prince George's Co., Beltsville (Terrell et al. 2000) (see also B&B 1984), **VA** (Atlas). Escape.

**Erythronium**

**albidum** Nutt. - white trout-lily, white fawn-lily, white dog's-tooth-violet, white adder's-tooth. **DC, MD, VA.**

**americanum** Ker Gawl. - yellow trout-lily, yellow fawn-lily, yellow dog's-tooth-violet, yellow adder's-tongue. **DC, MD, VA.**

**umbilicatum** C.R. Parks & Hardin - dimpled trout-lily. **DC:** Oxon Run (*P. Fleming 2031*, 1989), **MD:** Montgomery Co., Somerset (*W.R. Maxon 6079*, 1915), **VA:** Loudoun Co. (*R.M. Harper 3789*, 1940). Apparently common in VA (Atlas).

**GALANTHUS**

**NIVALIS** L. - snowdrop. **DC:** Rock Creek Park (*P. Fleming 314*, 1987), **MD:** Prince George's Co., Piscataway Park (*B.W. Steury 990324*, 1999). Escape. Often placed in Amaryllidaceae.

**Helonias**

**bullata** L. - swamp-pink. **MD:** Anne Arundel, Odenton (*E.H. Walker 7379*, 1952). Reported from Anne Arundel Co. by FJH (1946) before Walker's collection.

**HEMEROCALLIS**

**FULVA** L. - orange daylily, common daylily. **DC, MD, VA.** Widely persisting or spreading mainly vegetatively from cultivation.

**HOSTA**

**LANCIFOLIA** Engl. - narrow-leaved plantain-lily. **MD** (inferred from B&B 1984). Escape.

**VENTRICOSA** (Salisb.) Stearn - blue plantain-lily. **MD:** Baltimore Co., Oregon Ridge Park (Redman 1999), **VA:** Fairfax Co. (Atlas). Escape.

**Hypoxis**

**hirsuta** (L.) Coville - yellow stargrass. **DC, MD, VA.** Often put in Amaryllidaceae and sometimes in its own family, Hypoxidaceae.

## LILIACEAE

## LEUCOJUM

**AESTIVUM** L. - giant snowflake, summer snowflake. **MD**: Montgomery Co. (B&B 1984), **VA**. Escape. Often placed in Amaryllidaceae.

**Lilium**

**canadense** L. - Canada lily, wild yellow lily. **DC**: Pinehurst (*E.S. Steele s.n.*, 1915), **MD, VA**.

**LANCIFOLIUM** Thunb. - tiger lily. (*L. tigrinum* Ker Gawl.). **MD** (inferred from B&B 1984), **VA**: Fairfax Co. (Atlas). Escape.

**michauxii** Poir. - Carolina lily. **VA** (*L.F. Ward s.n.*, 1885, "Virginia"). Identification confirmed by three separate authorities, but specimen very possibly collected south or west of W-B area.

**PENNSYLVANICUM** Ker Gawl. - candlestick lily. (*L. dahuricum*, of authors, *L. dauricum* Ker Gawl.). **VA**: Falls Church (*F.R. Fosberg 60897*, 1981). Rare escape.

**philadelphicum** L. - wood lily, wild orange-red lily. **DC** (*H.W. Henshaw s.n.*, 1886), **VA**: Fairfax Co., Langley (*F.W. Layton s.n.*, 1915).

**superbum** L. - Turk's-cap lily. **DC, MD, VA**.

## LIRIOPE

**GRAMINIFOLIA** (L.) Baker - grassy lily-turf. **MD**: Prince George's Co., Beltsville (Terrell et al., 2000). Escape.

**SPICATA** (Thunb.) Lour. - spiked lily-turf. **MD**: Prince George's Co., Beltsville (Terrell et al., 2000). Escape.

**Maianthemum**

**canadense** Desf. - Canada mayflower, wild lily-of-the-valley, false lily-of-the-valley. (*Unifolium canadense* (Desf.) Greene). **DC, MD, VA**.

**Medeola**

**virginiana** L. - Indian cucumber-root, cucumber-root, Indian-cucumber. **DC, MD, VA**.

**Melianthium**

**latifolium** Desr. - slender bunchflower. (*M. hybridum* Walter). **DC, MD**: Baltimore Co. (*K.A. Taylor s.n.*, 1895), **VA**: Arlington Co., Fort Myer (*E.A. Mearns s.n.*, 1895).

**virginicum** L. - bunchflower, Virginia bunchflower. **DC, MD, VA**.

## MUSCARI

**BOTRYOIDES** (L.) Mill. - common grape-hyacinth. **MD**: Montgomery Co., Plummer's Island (*P.C. Standley 11290*, 1915; *Killip & Benedict, Jr. 31749*, 1936); Prince George's Co., Beltsville (Terrell et al. 2000), **VA**: Fauquier Co. (Atlas). Escape.

**NEGLECTUM** Guss. ex Ten. - blue-bottle, grape-hyacinth, grape-flower. (*M. atlanticum* Boiss. & Reut., *M. racemosum* (L.) Lam. & DC., misapplied, *M. racemosum* (L.) Mill., misapplied). **DC, MD, VA**. Naturalized.

## NARCISSUS

**X INCOMPARABILIS** Mill. (as species) - daffodil. **MD** (inferred from B&B 1984), **VA** (Atlas). Escape. Genus often placed in Amaryllidaceae.

## LILIACEAE

## Narcissus - cont.

**XMEDIOLUTEUS** Mill. (as species) (*N. poeticus* L. *xtazetta* L.) - poetaz narcissus, primrose peerless narcissus. (*N. xbiflorus* W. Curtis (as species), *N. poetaz* Hort. ex L.H. Bailey). **DC** (*E.S. Steele s.n.*, 1899, as *N. biflorus*; see also McAtee 1930, p.49), **MD**: Montgomery Co., Plummer's Island (*A.S. Hitchcock 12446*, 1915, as *N. biflorus*), **VA**: Culpeper Co., Lignum (*H.A. Allard 19421*, 1949, as *N. poeticus*). Escape.

**POETICUS** L. - poet's narcissus, pheasant's-eye. **MD**: Montgomery Co., Plummer's Island (*P.C. Standley 11302*, 1915), **VA** (Atlas). Escape.

**PSEUDONARCISSUS** L. - common daffodil. **MD, VA** (Atlas). Escape.

## NARTHECIUM

**AMERICANUM** Ker Gawl. - bog-asphodel. **MD**: Prince George's Co., Beltsville Bog (Terrell et al. 2000, "probably planted"). Planted and now extirpated? Native of Eastern Shore.

## NOTHOSCORDUM

**BORBONICUM** Kunth - honeybells. (*N. inodorum* (Aiton) Nichols, misapplied). **VA**: Fairfax Co. (Atlas, as *N. inodorum*). Escape.

## ORNITHOGALUM

**NUTANS** L. - nodding star-of-Bethlehem. **DC, MD, VA** (Atlas). Escape.

**UMBELLATUM** L. - star-of-Bethlehem, sleepydick. **DC, MD, VA** (Atlas). Naturalized.

## Polygonatum

**biflorum** (Walter) Elliott - smooth Solomon's-seal. (*P. canaliculatum* (Muhl. ex Willd.) Pursh, misapplied, *P. commutatum* (Schult. & Schult. f.) A. Dietr., *P. giganteum* A. Dietr.). **DC, MD, VA**.

**pubescens** (Willd.) Pursh - downy Solomon's-seal. (*P. biflorum* (Walter) Elliott, misapplied). **MD**: Midland Area, "common" (B&B 1984).

## SCILLA

**SIBERICA** Haw. - Siberian squill. **DC**: Rock Creek Park (*P. Fleming 326*, 1987). Escape.

## Smilacina

**racemosa** (L.) Desf. - false Solomon's-seal, false spikenard, plumelily. (*Maianthemum racemosum* (L.) Link, *Vagnera racemosa* (L.) Morong). **DC, MD, VA**. Again placed in genus *Maianthemum* by some.

**stellata** (L.) Desf. - starry false Solomon's-seal, star-flowered Solomon's-seal, starflower. (*Maianthemum stellatum* (L.) Link, *Vagnera stellata* (L.) Morong). **DC, MD, VA**: Fairfax Co., Difficult Run (*L.F. Ward s.n.*, 1874, 1879). Again placed in genus *Maianthemum* by some.

## Stenanthium

**gramineum** (Ker Gawl.) Morong - featherbells. (*S. angustifolia* A. Gray, *S. robustum* (S. Watson) Fernald). **DC, MD, VA**.

## LILIACEAE

**Tofieldia**

**racemosa** (Walter) Britton, Sterns & Poggenb. - false asphodel, coastal false asphodel, false bog-asphodel. (*T. pubens* (Michx.) Willd., *T. pubescens* (Michx.) Pers., *Triantha racemosa* (Walter) Small). **DC**: Holmead Swamp (*Ward 1881*, as *T. pubens*). Recently placed in *Triantha* again (Kartesz 1999).

**Trillium**

**cernuum** L. - nodding trillium, whippoorwill flower. **MD**: Baltimore Co., Little Gunpowder Falls (*G.R. Fessenden s.n.*, 1950), **VA**: Fauquier Co., Bull Run Mts. (*H.A. Allard 4544*, 1938).

**cuneatum** Raf. - cuneate trillium, little-sweet-Betsey. (*T. viride* Beck, misapplied). **MD**: Montgomery Co., Burtonsville (Steury 2000). First MD record; based on University of Maryland (MARY) specimen originally identified as *T. viride* but re-identified by J.D. Freeman in 1985 as *T. cuneatum*. Perhaps planted.

**erectum** L. - red trillium, erect trillium, wake-robin, ill-scented trillium, stinking-Benjamin. **VA**: Fauquier Co. (Atlas).

**flexipes** Raf. - drooping trillium, bent trillium, nodding wakerobin. **MD**: Harford Co., mouth of Deer Creek (*E. Baltars 703*, 1956).

**grandiflorum** (Michx.) Salisb. - large-flowered trillium, white trillium, large-flowered wakerobin. **DC**: Rock Creek Park (*S. Cameron s.n.*, 1899; *P. Fleming 1271*, 1990), **VA**: Fauquier Co., Manassas Gap (*E.H. Walker 3335*, 1942). DC site not reported by H&S (1919) or FJH (1941, 1946); almost certainly planted here, as elsewhere (e.g., Oregon Ridge Park, Baltimore Co., MD (Redman 1999)). Growing wild for certain in W-B Area only in Fauquier Co.; especially abundant at G. Thompson Wildlife Management Area near Linden, VA.

**luteum** (Muhl.) Harb. - yellow trillium, yellow wakerobin. (*T. viride* Beck, misapplied (?B&B 1984, ?Atlas)). **DC**: Rock Creek Park (*P. Fleming 396*, 1987, as *T. viride*; *P. Fleming 1270*, 1990, as *T. sessile*), **MD**: Prince George's Co., Accokeek (*B. Steury 990427.1*, 1999); see also Steury 2000. Some if not all populations likely planted (as at Oregon Ridge Park, Baltimore Co., MD (Redman 1999)).

**sessile** L. - toadshade, sessile trillium. **DC, MD, VA**.

**TRISTAGMA**

**UNIFLORUM** (Lindl.) Traub - spring starflower, springstar. (*Brodiaea uniflora* (Lindl.) Engl., *Ipheion uniflorum* (Graham) Raf., *Milla uniflora* Graham, *Triteleia uniflora* Lindl.). **VA**: Lancaster Co. (Atlas). Escape.

**TULIPA**

**SYLVESTRIS** L. - wild tulip, Dutch-lily. **MD**: Montgomery Co., Forest Glen (McAtee 1930, p. 25); also inferred for MD from B&B 1984. Escape.

**Uvularia**

**perfoliata** L. - perfoliate bellwort, mealy bellwort. **DC, MD, VA**.

**sessilifolia** L. - sessile-leaved bellwort, merrybells, wild-oats, straw-lily. (*Oakesia sessilifolia* (L.) Watson, *Oakesiella sessilifolia* (L.) S. Watson). **DC, MD, VA**.

**Veratrum**

**viride** Aiton - false hellebore, white hellebore. **DC, MD, VA**.



## NAJADACEAE - ORCHIDACEAE

NAJADACEAE *The Naiad or Water-nymph Family***Najas**

**flexilis** (Willd.) Rostk. & Schmidt - wavy naiad, wavy water-nymph, northern water-nymph. **DC** ? (two old specimens with imprecise localities), **MD, VA**: Alexandria, Hunting Creek (*W.L. McAtee 2275*, 1915). Most if not all of what passed for this species in H&S was actually *N. guadalupensis*.

**gracillima** (A. Braun ex Engelm.) Magnus - slender naiad, slender water-nymph. **MD**: Montgomery Co., Great Falls (*W.L. McAtee 2766*, 1917), **VA**.

**guadalupensis** (Spreng.) Magnus - Guadalupe naiad, Guadalupe water-nymph. **DC, MD, VA**.

**MINOR** All. - brittle naiad, brittle water-nymph. **MD**: Baltimore County, Oregon Ridge Park (Redman 1999), **VA** (Atlas). Naturalized.

ORCHIDACEAE *The Orchid Family***Aplectrum**

**hyemale** (Muhl. ex Willd.) Torr. - puttyroot, Adam-and-Eve. (*A. spicatum* Britton, Sterns & Poggenb.). **DC, MD, VA**.

**Arethusa**

**bulbosa** L. - dragon's-mouth, arethusa, swamp-pink. **DC** ? (*D.T. s.n.* [Dr. J. Torrey?], 1829), **MD**: Prince George's Co., Suitland Bog (3 collections, all 1918). Torrey's specimen might have come from MD. Probably extirpated in MD (Reveal & Broome 1981).

**Calopogon**

**tuberosus** (L.) Britton, Sterns & Poggenb. - grass-pink. (*C. pulchellus* (Salisb.) R. Br. ex W.T. Aiton, *Limodorum tuberosum* L.). **DC, MD**. None of 22 specimens collected since 1923.

**Cleistes**

**divaricata** (L.) Ames - spreading-pogonia, rosebud orchid. (*Pogonia divaricata* (L.) R. Br.). FJH listing apparently based on 1830 report of Brereton, as *Pogonia divaricata*; see also H&S.

**Coeloglossum**

**viride** (L.) Hartm. - bracted orchid, long-bracted orchid, frog orchid, long-bracted frog orchid. (*C. bracteatum* (Muhl. ex Willd.) Parl., *Habenaria bracteata* (Muhl. ex Willd.) R. Br. ex W.T. Aiton, *H. viridis* (L.) R. Br. ex W.T. Aiton). **MD**: Frederick Co. (Reed 1964b), **VA**: Fauquier Co. (Atlas).

**Corallorhiza**

**maculata** (Raf.) Raf. - spotted coral-root, summer coral-root. (*C. multiflora* Nutt.). **DC**: Carroll Estate (*L.F. Ward s.n.*, 1874), **MD**: Baltimore Co. (3 collections, 1902), Montgomery Co., Chevy Chase (*E.T. Wherry s.n.*, 1915).

**odontorhiza** (Willd.) Nutt. - autumn coral-root, small coral-root. **DC, MD, VA**.

**trifida** Châtel. - northern coral-root, yellow coral-root, early coral-root. **MD** (inferred from B&B 1984).

**wisteriana** Conrad - Wister's coral-root, spring coral-root. **DC, MD, VA**.

## ORCHIDACEAE

## Cypripedium

**acaule** Aiton - pink lady's-slipper, moccasin-flower. **DC, MD, VA.**

**calceolus** L. - yellow lady's-slipper, yellow moccasin-flower. (*C. hirsutum* Mill., misapplied, *C. parviflorum* Salisb., *C. pubescens* Willd.). **DC, MD, VA.** Of 23 US specimens, only one collected since 1904. Typically, two varieties recognized: var. *parviflorum* (Salisb.) Fernald (small-flowered); var. *pubescens* (Willd.) Correll (large-flowered). American plants often separated from *C. calceolus* as *C. parviflorum* Salisb.

**kentuckiense** C.F. Reed - southern lady's-slipper. **VA:** Lancaster Co. (according to T.R. Bradley, personal communication, Jan. 24, 2002).

**reginae** Walter - showy lady's-slipper. **MD:** Baltimore and Harford cos. (B&B 1984).

## EPIPACTIS

**HELLEBORINE** (L.) Crantz - helleborine, bastard hellebore. (*E. latifolia* (L.) All., *Serapias helleborine* L.). **DC, MD:** Baltimore City (B&B 1984). Naturalized.

## Galearis

**spectabilis** (L.) Raf. - showy orchid. (*Galeorchis spectabilis* (L.) Rydb., *Orchis spectabilis* L.). **DC, MD, VA.**

## Goodyera

**pubescens** (Willd.) R. Br. ex W.T. Aiton - downy rattlesnake-plantain. (*Peramium pubescens* (Willd.) MacMill.). **DC, MD, VA.**

**repens** (L.) R. Br. ex W.T. Aiton - lesser rattlesnake-plantain, dwarf rattlesnake-plantain. (*G. ophioides* (Fernald) Rydb., *Peramium ophioides* (Fern.) Rydb.). **DC ?** (*L.F. Ward s.n.*, 1884, as *G. pubescens* - question whether collected in DC). Specimen from NW Branch [MD, Montgomery or Prince George's Co.] mentioned by H&S has disappeared. Basis for inclusion by FJH (1941, 1946) not known.

**tesselata** Lodd. - checkered rattlesnake-plantain, Loddiges rattlesnake-plantain. **MD:** Montgomery Co., SE of Rockville (*G.R. Fessenden s.n.*, 1942). Determined by D.S. Correll, 1943. Note on sheet: "First record south of New York."

## Hexalectris

**spicata** (Walter) Barnhart - crested coral-root. (*H. aphylla* (Nutt.) Raf.). **MD:** Anne Arundel Co., Galesville (*Fessenden & Macurdy 5719A*, 1955), **VA.** Only known collection in MD (Reveal & Broome 1981).

## Isotria

**medeoloides** (Pursh) Raf. - small whorled-pogonia, green five-leaved orchid. (*I. affinis* (Austin) Rydb.). **MD:** Montgomery Co., Bethesda (*Freeman & Freeman s.n.*, 1929), Chevy Chase (*J.F. Schairer s.n.*, 1928), **VA:** Prince William & Stafford cos. (Atlas). May be extirpated in MD (Reveal & Broome 1981).

**verticillata** (Muhl. ex Willd.) Raf. - large whorled-pogonia. **DC, MD, VA.**

## Liparis

**liliifolia** (L.) Rich. ex Lindl. - lily-leaved twayblade, large twayblade, brown wide-lip orchid, mauve sleekwort. (*Leptorchis liliifolia* (L.) Kuntze). **DC, MD, VA.**

## ORCHIDACEAE

**Liparis** - cont.

**loeselii** (L.) Rich. - Loesel's twayblade, yellow twayblade, yellow wide-lip orchis, fen orchid. (*Leptorchis loeselii* MacMill.). **DC**: Rock Creek (*L.F. Ward s.n.*, 1877), **MD, VA**: Fairfax Co., Great Falls (*T. Ulke s.n.*, 1915).

**Listera**

**australis** Lindl. - southern twayblade. (*Ophrys australis* (Lindl.) House). **DC**: Oxon Run Parkway (*P. Fleming 2545*, 1992), **MD**: Prince George's (1897) and St. Mary's (1953) cos. Probably extirpated in Prince George's Co. (Reveal & Broome 1981).

**Malaxis**

**unifolia** Michx. - green adder's-mouth orchid. (*Achroanthes unifolia* (Michx.) Raf., *Malaxis ophioglossoides* Muhl. ex Willd., *Microstylis ophioglossoides* (Muhl ex Willd.) Nutt. ex Eaton, *M. uniflora* (Michx.) Britton, Sterns & Poggenb.). **DC, MD, VA**.

**Platanthera**

**blephariglottis** (Willd.) Lindl. - white fringed orchid. (*Blephariglottis blephariglottis* (Willd.) Rydb., *Habenaria blephariglottis* (Willd.) Hook.). **MD** (very old specimens only).

**ciliaris** (L.) Lindl. - yellow fringed orchid. (*Blephariglottis ciliaris* (L.) Rydb., *Habenaria ciliaris* (L.) R. Br. ex W.T. Aiton). **DC, MD, VA**.

**clavellata** (Michx.) Luer - green woodland orchid, club-spur orchid. (*Habenaria clavellata* (Michx.) Spreng.). **DC, MD, VA**.

**cristata** (Michx.) Lindl. - crested yellow orchid, crested fringed orchid. (*Blephariglottis cristata* (Michx.) Raf., *Habenaria cristata* (Michx.) R. Br. ex W.T. Aiton). **MD** (three specimens, 1898, 1920).

**flava** (L.) Lindl. - pale green orchid, tubercled orchid. (*Habenaria flava* (L.) R. Br., *H. scutellata* (Nutt.) F.J.A. Morris, *H. virescens* (Muhl. ex Willd.) Spreng., misapplied). **DC, MD**: Anne Arundel Co., Patuxent River (*Rudd & White s.n.*, 1949), **VA**.

**lacera** (Michx.) G. Don - ragged fringed orchid, green fringed orchid. (*Blephariglottis lacera* (Michx.) Farw., *Habenaria lacera* (Michx.) R. Br.). **DC, MD, VA**.

**orbiculata** (Pursh) Lindl. - round-leaved orchid. (*Habenaria orbiculata* (Pursh) Torr.). **MD**: Montgomery Co., Seneca Creek State Park (observed by S.G. Shetler).

**peramoena** (A. Gray) A. Gray - purple fringeless orchid, pride-of-the-peak. (*Blephariglottis peramoena* (A. Gray) Rydb., *Habenaria peramoena* A. Gray). **DC, MD, VA**.

**psycodes** (L.) Lindl. - small purple fringed orchid. (*Blephariglottis psycodes* (L.) Rydb., *Habenaria psycodes* (L.) Spreng.). **MD**: Baltimore Co., Gore Mill (*Fessenden & Rice 5307*, 1951).

**Pogonia**

**ophioglossoides** (L.) Ker Gawl. - rose pogonia, snake-mouth orchid, beard-flower. **DC, MD**.

**Spiranthes**

**cernua** (L.) Rich. - nodding ladies'-tresses. (*Gyrostachys cernua* (L.) Kuntze, *G. odorata* (Nutt.) Kuntze, *Ibidium cernuum* (L.) House, *I. odoratum* (Nutt.) House, *S. odorata* (Nutt.) Lindl.). **DC, MD, VA**.

## ORCHIDACEAE - POACEAE

**Spiranthes** - cont.

**lacera** (Raf.) Raf. - slender ladies'-tresses. (*Gyrostachys gracilis* (Bigelow) Kuntze, *Ibidium beckii* (Lindl.) House, *I. gracile* (Bigelow) House, *S. beckii* Lindl., *S. gracilis* (Bigelow) Beck). **DC, MD, VA.**

**lucida** (H.H. Eaton) Ames - shining ladies'-tresses, wide-leaved ladies'-tresses. (*Gyrostachys plantaginea* (Raf.) Britton, *Ibidium plantagineum* (Raf.) House, *S. latifolia* Torr. ex Lindl., *S. plantaginea* (Raf.) Lindl.). **DC:** Chain Bridge flats (*L.W. Ward s.n.*, 1878), **MD, VA:** Fauquier Co. (Atlas).

**ochroleuca** (Rydb.) Rydb. - yellow nodding ladies'-tresses. (*S. cernua* var. *ochroleuca* (Rydb.) Ames). **DC ?** "In vicinis Washington, D.C." (*L.F. Ward s.n.*, 1878), **MD, VA.**

**ovalis** Lindl. - oval-leaved ladies'-tresses, October ladies'-tresses. (*Ibidium ovale* (Lindl.) House). **DC** (*E.T. Wherry s.n.*, 1915), **VA:** Fauquier Co. (Atlas).

**praecox** (Walter) S. Watson - giant-leaved ladies'-tresses, grass-leaved ladies'-tresses, green-veined ladies'-tresses. (*Ibidium praecox* (Walter) House). **MD:** Prince George's Co., Beltsville (Terrell et al. 2000), **VA:** Fairfax Co. (Atlas).

**romanzoffiana** Cham. - hooded ladies'-tresses. **MD:** Baltimore Co. (*K.A. Taylor s.n.*, no date). Determined by P.M. Catling (1980). On a sheet with *S. cernua*. This is south of *S. romanzoffiana* range and could be a mixed-up collection.

**tuberosa** Raf. - little ladies'-tresses. (*Ibidium beckii*, sense of House, *S. beckii* Lindl., misapplied, *S. grayi* Ames). **DC, MD, VA.**

**vernalis** Engelm. & A. Gray - spring ladies'-tresses. (*Ibidium vernale* (Engelm. & A. Gray) House). **DC, MD, VA.**

**Tipularia**

**discolor** (Pursh) Nutt. - crane-fly orchid. (*T. unifolia* (Muhl.) Britton, Sterns & Poggenb.). **DC, MD, VA.**

**Triphora**

**trianthophora** (Sw.) Rydb. - nodding-pogonia, three-birds orchid. (*Pogonia trianthophora* (Sw.) Britton, Sterns & Poggenb.). **MD, VA:** Fairfax Co. (Atlas). Latest collection in Montgomery Co., 1958, and, as of 1981 (Reveal & Broome), in whole state as well.

POACEAE *The Grass Family***AEGILOPS**

**NEGLECTA** Req. & Bertol. - goat grass. (*A. ovata* L., misapplied). **VA:** Arlington Co., Arlington Farm (*M. Pladeck s.n.*, 1933, as *A. ovata*). Waif. Det. S. Saufferer, 1989.

**TRIUNCIALIS** L. - barbed goat grass. **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**Agrostis**

**CANINA** L. - velvet bent grass. **MD:** Frederick Co. (B&B 1984); Prince's George's Co., Beltsville (Terrell et al., 2000). Waif.

## POACEAE

## Agrostis - cont.

**CAPILLARIS** L. - colonial bent grass, Rhode Island bent grass. (*A. alba* L., misapplied, *A. tenuis* Sibth., *A. vulgaris* With., in part). **DC, MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a), **VA**. Naturalized.

**elliottiana** Schult. - Elliott's bent grass. **DC** (*S.L. Hoover s.n.*, 1943), **MD**: Charles Co. (*N. Hotchkiss* 1952, 1925), **VA**: Alexandria; Fairfax Co.

**GIGANTEA** Roth - redtop. (*A. alba* L., misapplied, *A. palustris* Huds., in part, *A. stolonifera* L., in part, *A. vulgaris* With., in part). **DC, MD, VA**. Naturalized. Often combined with *A. stolonifera* L. (e.g., Atlas).

**hyemalis** (Walter) Britton, Sterns & Poggenb. - tickle grass, hair grass. **DC, MD, VA**. Sometimes including *A. scabra*.

**perennans** (Walter) Tuck. - upland bent grass, autumn bent grass. (*A. altissima* (Walter) Tuck., *A. elata* (Pursh) Trin., *A. intermedia* Scribn.). **DC, MD, VA**.

**scabra** Willd. - rough bent grass. (*A. hyemalis* var. *tenuis* (Tuck.) Gleason). **MD**: Prince George's Co., Greenbelt (*F.J. Hermann* 11553, 1945); Beltsville (Terrell et al., 2000). Sometimes included in *A. hyemalis*.

**STOLONIFERA** L. - creeping bent grass, spreading bent grass. (*A. alba* L., misapplied, *A. maritima* Lam., *A. palustris* Huds., in part). **MD**. Naturalized. Included in *A. gigantea* in Atlas, although *A. stolonifera* should take priority when the two are combined.

## AIRA

**CARYOPHYLLEA** L. - common silver-hair grass. **DC, MD, VA**. Naturalized.

**ELEGANS** Willd. ex Kunth - annual silver-hair grass. (*A. capillaris* Host, *A. elegantissima* Schur). **MD**: Charles Co., Port Tobacco (*N. Hotchkiss* 1961, 1925), **VA**: Prince William Co., Quantico (*F.H. Knowlton s.n.*, 1886); Atlas. Naturalized.

**PRAECOX** L. - early silver-hair grass. **MD, VA**: King George Co. (Atlas; Simmons et al. 1995). Naturalized.

## ALLOTEROPSIS

**CIMICINA** (L.) Stapf-. (*Coridochloa cimicina* (L.) Nees ex Chase). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

## Alopecurus

**aequalis** Sobol. - short-awn foxtail, short-awn meadow-foxtail, short-awn alopecurus. **MD**: Prince George's Co., Beltsville (Terrell et al. 2000).

**carolinianus** Walter - tufted foxtail, tufted meadow-foxtail, tufted alopecurus. **VA** (Atlas).

**GENICULATUS** L. - marsh foxtail, marsh meadow-foxtail, floating foxtail, marsh alopecurus. **MD**: Prince George's Co., Oxon Run (several old specimens), **VA**: Alexandria (several old specimens); Fairfax Co. (Atlas). Naturalized.

**MYOSUROIDES** Huds. - slender foxtail, slender meadow-foxtail, slender alopecurus. **DC** (*A. Chase* 6127, 1912), **MD**: Prince George's Co., Beltsville (*A. Chase* 6899, 1915); Baltimore City, Canton, chrome ore piles (Reed 1964a), **VA**: Arlington Co., Arlington Farm (*H.A. Allard s.n.*, 1921); King George Co. (Atlas). Naturalized.

## POACEAE

**Alopecurus** - cont.

**PRATENSIS** L. - field meadow-foxtail, field alopecurus. **MD**: Prince George's Co., Beltsville (*G.L. Stewart s.n.*, 1900), **VA**: Fairfax Co., Mount Vernon (*Wells & Brown 4643*, 1998). Naturalized.

**Ammophila**

**breviligulata** Fernald - American beach grass. **MD, VA**.

**Andropogon**

**gerardii** Vitman - big bluestem, bluejoint turkeyfoot. (*A. furcatus* Muhl. ex Willd., *A. provincialis* Lam.). **DC, MD, VA**.

**glomeratus** (Walter) Britton, Sterns & Poggenb. - bushy bluestem, bushy beard grass. (*A. macrourus* Michx., *A. virginicus* var. *abbreviatus* (Hack.) Fernald & Griscom). **DC, MD, VA**.

**gyrans** Ashe - Elliott's bluestem, Elliott's beard grass. (*A. elliotii* Chapm., misapplied). **DC, MD, VA**.

**ternarius** Michx. - split-beard bluestem, split-beard little bluestem. **DC, MD, VA**.

**virginicus** L. - broom-sedge. **DC, MD, VA**.

## ANTHOXANTHUM

**ODORATUM** L. - sweet vernal grass. **DC, MD, VA**. Naturalized.

## APERA

**SPICA-VENTI** (L.) P. Beauv. - loose silky-bent grass. (*Agrostis spica-venti* L.). **DC** (*A. Chase 6128*, 1912), **MD**: Prince George's Co. (B&B 1984). Waif.

## APLUDA

**MUTICA** L. - apluda. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**Aristida**

**ADSCENSIONIS** L. - six-weeks three-awn. **MD**: Baltimore City, Canton, chrome ore piles (*C.F. Reed 32752, 32826*, 1953). Waif, from southwest.

**dichotoma** Michx. - poverty grass, church-mouse three-awn. (*A. curtisii* (A. Gray ex S. Watson & J.M. Coult.) Nash). **DC, MD, VA**.

**longespica** Poir. - slim-spike three-awn, red three-awn. (*A. gracilis* Elliott). **DC, MD, VA**.

**oligantha** Michx. - prairie three-awn. **DC, MD, VA**.

**purpurascens** Poir. - arrow-feather three-awn. **DC, MD, VA**.

## ARRHENATHERUM

**ELATIUS** (L.) P. Beauv. ex J. Presl. & C. Presl. - tall oat grass. (*A. avenaceum* (Scop.) P. Beauv.). **DC, MD, VA**. Naturalized.

## ARTHRAOXON

**HISPIDUS** (Thunb.) Makino - arthraxon, small carp grass. (*A. ciliaris* P. Beauv. var. *cryptatherus* Hack.). **DC, MD, VA**. Naturalized and very invasive.

## POACEAE

**Arundinaria**

**gigantea** (Walter) Muhl. - giant cane, southern cane. (*A. tecta* (Walter) Muhl.). **MD, VA**: Alexandria (*W.L. McAtee 3149*, 1919).

**AVENA**

**FATUA** L. - wild oats. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a); also inferred from B&B 1984. Escape.

**SATIVA** L. - oats. **DC, MD, VA**. Escape.

**Axonopus**

**fissifolius** (Raddi) Kuhl. - narrow-leaf carpet grass. (*A. affinis* Chase). **VA**: Fairfax Co. (Atlas).

**BOTHRIOCHLOA**

**PERTUSA** (L.) A. Camus - pitted beard grass. (*Andropogon pertusus* (L.) Willd.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *Andropogon pertusus*). Waif. May be same as *B. insculpta* (Hochst.) A. Camus.

**Bouteloua**

**ARISTIDOIDES** (Kunth) Griseb. - needle grama. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from southwest.

**BARBATA** Lag. - six-weeks grama. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from southwest.

**curtipendula** (Michx.) Torr. - side-oats grama. **MD**.

**BRACHIARIA**

**DISTACHYA** (L.) Stapf - signal grass. (*B. subquadripata* (Trin.) Hitchc.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Escape. Sometimes put in *Urochloa: U. distachya* (L.) T.Q. Nguyen.

**ERUCIFORMIS** (Sm.) Griseb. - ringed signal grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Escape.

**Brachyelytrum**

**erectum** (P. Beauv. ex Schreb.) P. Beauv. -. **DC, MD, VA**.

**Bromus**

**ARVENSIS** L. - field brome, field brome grass. **MD**: Anne Arundel, Montgomery (Gilman 1957) and Prince George's Cos. (Norton 1930). Waif.

**BRIZIFORMIS** Fisch. & C.A. Mey. - rattlesnake brome, rattlesnake chess, awnless brome, quake grass. **MD**: Baltimore Co., White Marsh (*J.B.S. Norton s.n.*, 1903). Waif.

**CATHARTICUS** Vahl. - rescue grass. (*B. unioides* Kunth, *B. wildenowii* Kunth). **DC, MD** (Norton 1930; B&B 1984), **VA**: Arlington Co. (Atlas). Escape.

**ciliatus** L. - fringed brome, fringed brome grass, swamp chess. **MD** (inferred from B&B 1984), **VA**: Arlington Co. (Atlas).

**COMMUTATUS** Schrad. - hairy chess, upright chess, meadow brome. **DC, MD, VA**. Naturalized. Included in *B. racemosus* by some.

## POACEAE

**Bromus** - cont.

**HORDEACEUS** L. - soft chess, soft brome. (*B. mollis* L., misapplied.). **DC, MD, VA** (Atlas). Naturalized.

**INERMIS** Leyss. - smooth brome, awnless brome, common brome. **DC, MD**: Howard and Prince George's cos. (B&B 1984), **VA**. Escape.

**JAPONICUS** Thunb. - Japanese chess, Japanese brome. **DC, MD, VA**. Naturalized.

**LATIGLUMIS** (Scribn. ex Shear) Hitchc. - early-leaf brome. (*B. altissimus* Pursh., *B. incanus* (Shear) Hitchc., *B. purgans* L., misapplied). **MD**: Montgomery and Prince George's cos., **VA**: Arlington Co.; Fairfax Co. (Atlas).

**nottawayanus** Fernald - Nottoway Valley brome. **MD**: Baltimore and Montgomery cos. Perhaps should be combined with *B. pubescens*.

**pubescens** Muhl. ex Willd. - hairy woodland brome, Canada brome. (*B. ciliatus* var. *purgans* (L.) A. Gray, *B. purgans* L., misapplied). **DC, MD, VA**.

**RACEMOSUS** L. - smooth brome, smooth cheat, bald brome. **DC, MD, VA**. Naturalized. Some authors include *B. commutatus* in this species (Atlas).

**RIGIDUS** Roth - ripgut grass, ripgut brome. (*B. villosus* Forssk., not Scop.). **MD**: Prince George's Co., Beltsville (*A. Chase 6907*, 1915); see also B&B 1984. Waif.

**SECALINUS** L. - cheat, chess, rye brome. **DC, MD**: Baltimore City (*E. Baltars 735*, 1956); see also B&B 1984, **VA**: Arlington Co. (*H.A. Allard 552*, 1935). Naturalized.

**STERILIS** L. - barren brome, poverty brome. **DC, MD, VA** (Atlas). Naturalized.

**TECTORUM** L. - downy chess, downy brome, June grass, cheat grass. **DC, MD, VA**. Naturalized.

**Calamagrostis**

**canadensis** (Michx.) P. Beauv. - bluejoint. **MD**: Montgomery and Prince George's cos.

**cinnoides** (Muhl.) W.P.C. Barton - reed-grass. (*C. coarctata* (Torr.) Torr. ex Eaton, *C. nuttalliana* Steud.). **DC, MD, VA**: Fairfax Co. (*M.T. Strong 2423*, 2000, as *C. coarctata*). *C. coarctata* may be correct name (see Kartesz 1999).

**Cenchrus**

**ECHINATUS** L. - southern sandbur, hedgehog grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from south.

**longispinus** (Hack.) Fernald - field sandbur, common sandbur, innocent-weed. (*C. carolinianus* Walter, *C. pauciflorus* Benth., misapplied (H&S, FJH 1946)). **DC, MD, VA** (Atlas).

**tribuloides** L. - dune sandspur. **MD, VA**.

**Chasmanthium**

**latifolium** (Michx.) H.O. Yates - wild oats, Indian wood-oats. (*Uniola latifolia* Michx.). **DC, MD, VA**.

**laxum** (L.) H.O. Yates - slender wood-oats. (*Uniola laxa* (L.) Britton, Sterns & Poggenb.). **DC, MD, VA**.



## POACEAE

## CHLORIS

**VERTICILLATA** Nutt. - windmill grass, windmill finger-grass, tumble windmill grass. **MD**: Prince George's Co., College Park (*A. Goldberg s.n.*, 1991), Hyattsville (*A. Goldberg s.n.*, 1991); see also B&B 1984, Terrell et al. 2000. Escape, from west.

**VIRGATA** Sw. - feather finger-grass, feather windmill grass. **MD**: Baltimore City, Canton, chrome ore piles (*C.F. Reed 32714*, 1953). Waif, from south.

## Cinna

**arundinacea** L. - common woodreed, stout woodreed, sweet woodreed, Indian-reed. **DC, MD, VA.**

## CYNODON

**DACTYLON** (L.) Pers. - Bermuda grass, scutch grass. (*Capriola dactylon* (L.) Kuntze, *Cynodon affinis* Caro & E.A. Sanchez, *C. erectus* J. Presl). **DC, MD, VA.** Naturalized.

## CYNOSURUS

**CRISTATUS** L. - crested dog's-tail grass. **MD**: Prince George's Co., College Park (Norton 1930). Waif.

**ECHINATUS** L. - bristly dog's-tail grass. **MD.** Waif.

## DACTYLIS

**GLOMERATA** L. - orchard grass. **DC, MD, VA.** Naturalized.

## DACTYLOCTENIUM

**AEGYPTIUM** (L.) Willd. - crow's-foot grass, Durban crow's-foot grass. **MD**: Baltimore City, Canton, chrome ore piles (*C.F. Reed 32718*, 1953). Naturalized.

**GEMMINATUM** Hack. - twinned button grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

## Danthonia

**compressa** Austin - flattened poverty grass, flattened wild oat grass, mountain oat grass, Alleghany-flyback. **DC** (*T.H. Kearney, Jr., s.n.*, 1897), **MD**: Montgomery Co., Great Falls (*A. Chase 7010*, 1915, 7557, 1917); see also B&B 1984, **VA**: Fauquier Co. (Atlas).

**sericea** Nutt. - downy oat grass, silky wild oat grass. **VA**: Northumberland Co. (Atlas).

**spicata** (L.) P. Beauv. ex Roem. & Schult. - poverty grass, poverty oat grass, poverty wild oat grass. **DC, MD, VA.**

## DASYOCHLOA

**PULCHELLA** (Kunth) Willd. ex Rydb. - false fluff grass. (*Tridens pulchellus* (Kunth) Hitchc., *Triodia pulchella* Kunth). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from southwest.

## Deschampsia

**caespitosa** (L.) P. Beauv. - tufted hair grass. (*Aira caespitosa* L.). **MD**: Baltimore Co. (B&B 1984).

**flexuosa** (L.) Trin. - crinkled hair grass, wavy hair grass, common hair grass. (*Aira flexuosa* L.). **DC, MD, VA.**

## Diarrhena

**americana** P. Beauv. - American beakgrass. **VA**: Fairfax Co. (Atlas).

## POACEAE

**Diarrhena** - cont.

**obovata** (Gleason) Brandenburg - hairy beakgrass. (*D. americana* var. *obovata* (Gleason) Brandenburg).  
VA: Fairfax Co., River Bend (Fleming & Ludwig 1996).

**Dichanthelium**

**aciculare** (Desv. ex Poir.) Gould & C.A. Clarke - Grisebach's panic grass, needle-leaf panic grass, needle-leaf rosette grass. (*D. angustifolium* (Elliott) Gould, *Panicum aciculare* Desv. ex Poir., *P. angustifolium* Elliott, *P. bicknellii* Nash, misapplied). DC, MD, VA. Some specimens identified as *Panicum bicknellii* could be *D. boreale* (Nash) Freckmann. Status of *D. aciculare* with respect to *D. boreale* in the W-B Area is confused.

**acuminatum** (Sw.) Gould & C.A. Clark - hairy panic grass, tapered rosette grass. (*D. lanuginosum* (Elliott) Gould, *D. leucothrix* (Nash) Freckmann, *D. lindheimeri* (Nash) Gould, *D. longiligulatum* (Nash) Freckmann, *D. meridionale* (Ashe) Freckmann, *D. spretum* (Schult.) Freckmann, *Panicum acuminatum* Sw., *P. albemarlense* Ashe, *P. chrysopsidifolium* Nash, *P. huachuchae* Ashe, *P. implicatum* Scribn., *P. leucothrix* Nash, *P. lindeheimeri* Nash, *P. longiligulatum* Nash, *P. meridionale* Ashe, *P. spretum* Schult., *P. tenneseense*, Ashe). DC, MD, VA.

**boscii** (Poir.) Gould & C.A. Clarke - Bosc's panic grass, Bosc's rosette grass. (*Panicum boscii* Poir.). DC, MD, VA.

**clandestinum** (L.) Gould - deer-tongue grass, deer-tongue rosette grass. (*Panicum clandestinum* L.). DC, MD, VA.

**commutatum** (Schult.) Gould - variable panic grass, variable rosette grass. (*Panicum ashei* G. Pearson ex Ashe, *P. commutatum* Schult.). DC, MD, VA.

**depauperatum** (Muhl.) Gould - starved panic grass, starved rosette grass. (*Panicum depauperatum* Muhl.). DC, MD, VA.

**dichotomum** (L.) Gould - bushy panic grass, cypress rosette grass. (*D. ensifolium* (Baldwin ex Elliott) Gould, *D. mattamuskeetense* (Ashe) Mohlenbr., *D. microcarpon* (Muhl. ex Elliott) Mohlenbr., *D. nitidum* (Lam.) Mohlenbr., *D. yadkinense* (Ashe) Mohlenbr., *Panicum "annulatum* Ashe" (of FJH 1946), *P. annulum* Ashe, *P. barbulatum* Michx., *P. clutei* Nash, *P. dichotomum* L., *P. ensifolium* Baldwin ex Elliott, *P. gravius* Hitchc. & Chase, *P. lucidum* Ashe, *P. mattamuskeetense* Ashe, *P. microcarpon* Muhl. ex Elliott, *P. nitidum* Lam., *P. sphagnicola*, Nash, *P. tenue* Muhl., *P. yadkinense* Ashe). DC, MD, VA.

**latifolium** (L.) Harvill - broad-leaved panic grass. (*Panicum latifolium* L., *P. macrocarpon* Leconte ex Torr.). DC, MD (inferred from B&B 1984), VA.

**laxiflorum** (Lam.) Gould - lax-flowered panic grass, open-flowered rosette grass. (*Panicum laxiflorum* Lam., *P. xalapense* Kunth). DC, MD, VA.

**linearifolium** (Scribn.) Gould - low panic grass, slim-leaved rosette grass. (*Panicum linearifolium* Scribn., *P. wernerii* Scribn.). DC, MD, VA.

**oligosanthes** (Schult.) Gould - few-flowered panic grass, Heller's rosette grass. (*Panicum macrocarpon* Torr., *P. oligosanthes* Schult., *P. pauciflorum* Elliott, *P. scoparium* Lam., misapplied, *P. scribnerianum* Nash). DC, MD, VA.

## POACEAE

**Dichanthelium** - cont.

- ovale** (Elliott) Gould & C.A. Clark - oval-leaved panic grass, oval-leaved rosette grass. (*D. columbianum* (Scribn.) Freckmann, in part, *D. commonsianum* (Ashe) Freckmann, in part, *Panicum addisonii* Nash, *P. columbianum* Scribn., in part, *P. commonsianum* Ashe, in part, *P. ovale* Elliott). **MD**.
- ravenelii** (Scribn. & Merr.) Gould - Ravenel's panic grass, Ravenel's rosette grass. (*Panicum ravenelii* Scribn. & Merr., *P. scoparium* of authors, not Lam.). **DC, MD**.
- sabulorum** (Lam.) Gould & C.A. Clark - American panic grass, hemlock rosette grass. (*D. columbianum* (Scribn.) Freckmann, in part, *Panicum columbianum* Scribn., in part (holotype from **DC** area), *P. sabulorum* Lam., *P. tsugetorum* Nash). **DC, MD, VA**.
- scabriusculum** (Elliott) Gould & C.A. Clark - tall swamp panic grass, woolly rosette grass. (*Panicum aculeatum* Hitchc. & Chase, *P. cryptanthum* Ashe, *P. scabriusculum* Elliott). **DC, MD**: Montgomery and Prince Georges cos. (Norton 1930, as *P. aculeatum*), **VA**: "Wakefield, Airfield Pd." (*F.N. Sargent K-29*, 1947, county? possibly Sussex, in southern VA).
- scoparium** (Lam.) Gould - velvety panic grass, broom rosette grass. (*Panicum scoparium* Lam., *P. viscidum* Elliott). **DC, MD, VA**.
- sphaerocarpon** (Elliott) Gould - round-fruited panic grass, round-seed rosette grass. (*D. polyanthes* (Schult.) Mohlenbr., *Panicum microcarpon* Muhl., non Muhl. ex Elliott, *P. polyanthes* Schult., *P. sphaerocarpon* Elliott). **DC, MD, VA**.
- villosissimum** (Nash) Freckmann - white-haired panic grass, white-haired rosette grass. (*D. acuminatum* var. *villosum* (A. Gray) Gould & C.A. Clark, *Panicum acuminatum* var. *villosum* (Nash) C.F. Reed, *P. ovale* var. *villosum* (A. Gray) Lelong, *P. pseudopubescens* Nash, *P. villosissimum* Nash). **DC, MD, VA**.

**Digitaria**

- ciliaris** (Retz.) Koeler - southern crab grass. (*D. adscendens* (Kunth) Henrard, *D. sanguinalis* ssp. *ciliaris* (Retz.) Arcang., *D. sanguinalis* var. *ciliaris* (Retz.) Parl., *Panicum adscendens* Kunth, *P. ciliare* Retz., *Syntherisma marginata* (Link) Nash). **DC, MD**: Baltimore City, Canton, manganese ore piles (*C.F. Reed 65409*, 1963), **VA**: Reston, Fairfax Co. (*F.R. Fosberg 65956*, 1990).
- cognata** (Schult.) Pilg. - fall witch grass, Carolina crab grass. (*Leptoloma cognatum* (Schult.) Chase). **MD**: Anne Arundel Co., Glen Burnie (*A.J. Smith s.n.*, 1938, as *Leptoloma cognatum*); Prince George's Co., Beltsville (Terrell et al., 2000), **VA**: Stafford Co. (Gilman 1957).
- filiformis** (L.) Koeler - slender crab grass, finger grass. (*D. villosa* (Walter) Pers., *Panicum filiforme* L., *Syntherisma filiformis* (L.) Nash, *S. villosa* Walter). **DC, MD, VA**. *D. filiformis* var. *villosa* (Walter) Fernald, reported from Charles (Norton 1930) and St. Mary's (B&B 1984) cos., MD, is treated as a species by some authors.
- ISCHAEMUM** (Schreb.) Schreb. ex Muhl. - smooth crab grass, small crab grass. (*D. humifusa* Pers., *Panicum ischaemum* Schreb., *Syntherisma ischaemum* (Schreb.) Nash, *S. lineararis* Nash). **DC, MD, VA**. Naturalized.
- LONGIFLORA** (Retz.) Pers. - Indian crab grass. (*Panicum longiflorum* (Retz.) J.G. Gmel., *Paspalum longiflorum* Retz., *Syntherisma longiflorum* (Retz.) Skeels). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *D. "longifolia"*). Waif.

## POACEAE

**Digitaria** - cont.

**SANGUINALIS** (L.) Scop. - crab grass, northern crab grass, hairy crab grass. (*Panicum sanguinale* L., *Syntherisma sanguinalis* (L.) Dulac). **DC, MD, VA.** Naturalized.

**DINEBRA**

**RETROFLEXA** (Vahl) Panz. - viper grass. (*Cynosorus retroflexus* Vahl). **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**Distichlis**

**spicata** (L.) Greene - seashore salt grass, coastal salt grass. (*D. stricta* (Torr.) Rydb.). **MD, VA:** Lancaster Co., Fleets I. (*L.B. Smith 5564*, 1951).

**ECHINOCHLOA**

**COLONA** (L.) Link - awnless barnyard grass, jungle-rice. **MD:** Baltimore City, Canton, chrome and manganese ore piles (Reed 1964a), Prince George's Co., Beltsville (Terrell et al. 2000), **VA:** Fairfax Co. (Atlas). Naturalized.

**CRUSGALLI** (L.) P. Beauv. - large barnyard grass, barnyard grass. (*E. frumentacea* Link). **DC, MD, VA.** Japanese-millet, *E. crusgalli* var. *frumentacea* (Link) W. Wight, is treated as a separate species by some. Naturalized.

**CRUS-PAVONIS** (Kunth) Hitchc. - Gulf cock's-spur grass. (*E. crusgalli* var. *zelayensis* (Kunth) Schult., *E. zelayensis* (Kunth) Steud.). **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a, as *E. crusgalli* var. *zelayensis*). Waif, from Gulf coast.

**muricata** (P. Beauv.) Fernald - rough barnyard grass, barnyard grass. (*E. crusgalli* var. *mitis* (Pursh) Peterm., *E. pungens* (Poir.) Rydb.). **DC, MD, VA.** Typical variety, which also occurs in the W-B Area, is naturalized.

**walteri** (Pursh) A. Heller - long-awned barnyard grass, long-awned cock's-spur grass. (*P. walteri* Pursh). **DC, MD, VA.**

**ELEUSINE**

**INDICA** (L.) Gaertn. - yard grass, wire grass, Indian goose grass. **DC, MD, VA.** Naturalized.

**Elymus**

**canadensis** L. - Canada wild rye, nodding wild rye. (*E. brachystachys* Scribn. & C.R. Ball). **DC, MD:** Prince George's and Montgomery cos. (Norton 1930, B&B 1984), **VA:** Arlington Co. (*Ball s.n.*, 1902), Fairfax Co. (*S. Novik s.n.*, 1907).

**ELYMOIDES** (Raf.) Swezey - western bottle-brush grass. **DC** (*T.H. Kearney, Jr. 7*, 1897). Waif, from west.

**hystrix** L. - bottle-brush grass. (*Asperella hystrix* (L.) Humb., *Hystrix hystrix* (L.) Millsp., *H. patula* Moench). **DC, MD, VA.**

**REPENS** (L.) Gould - quack grass, witch grass, creeping wild rye. (*Agropyron repens* (L.) P. Beauv., *Elytrigia repens* (L.) Nevski, *Triticum repens* L.). **DC, MD, VA.** Naturalized.

**riparius** Wiegand - streambank wild rye, riverbank wild rye. (*E. canadensis* var. *riparius* (Wiegand) B. Boivin). **DC, MD, VA.**

## POACEAE

**Elymus** - cont.

**villosus** Muhl. ex Willd. - downy wild rye, hairy wild rye, slender wild rye. (*E. arkansanus* Scribn. & C.R. Ball, *E. striatus* Willd., misapplied, *E. striatus* var. *arkansanus* (Scribn. & C. R. Ball) Hitchc., *E. striatus* var. *villosus* (Muhl. ex Willd.) A. Gray). **DC, MD, VA.**

**virginicus** L. - Virginia wild rye grass, Terrell grass. (*E. australis* Scribn. & C.R. Ball, *E. glabriflorus* (Vasey) Scribn. & C.R. Ball, *E. hirsutiglumis* Scribn., *E. striatus* Willd.). **DC, MD, VA.**

## ENNEAPOGON

**DESSVAUXII** P. Beauv. - spike-pappus grass, nine-awn feather-pappus grass. **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from southwest.

**Eragrostis**

**BARRELIERI** Daveau - Mediterranean love grass. (*E. poaeoides* var. *barrelieri* (Daveau) Fiori). **MD:** Baltimore City, Canton, manganese ore piles (Reed 1964a). Waif.

**capillaris** (L.) Nees - lace grass. (*Poa capillaris* L.). **DC, MD, VA.**

**CILIANENSIS** (All.) Vignolo ex Janch. - stink grass. (*E. major* Host, *E. megastachya* (Koeler) Link, *E. poaeoides* (P. Beauv.) ex Roem. & Schult., misapplied). **DC, MD, VA** (Atlas; Simmons et al. 1995). Naturalized.

**CURVULA** (Schrad.) Nees - weeping love grass. **MD, VA** (Atlas). Naturalized.

**CYLINDRIFLORA** Hochst. - tube-flowered love grass. (*E. horizontalis* Peter). **MD:** Baltimore City, Canton, manganese ore piles (Reed 1964a, as *E. horizontalis*). Waif. Only known locality in U.S., according to Kartesz (in Kartesz 1999).

**frankii** C.A. Mey. ex Steud. - sandbar love grass, Frank's love grass. **DC, MD, VA.**

**hirsuta** (Michx.) Nees - bigtop love grass. **MD, VA.**

**hypnoides** (Lam.) Britton, Sterns & Poggenb. - teal love grass. (*E. reptans* (Michx.) Nees, in part). **DC, MD, VA.**

**MEXICANA** (Hornem.) Link - Mexican love grass. **MD:** Prince George's Co. (B&B 1984). Waif, from southwest.

**MINOR** Host - little love grass. (*E. eragrostis* (L.) P. Beauv., *E. poaeoides* P. Beauv. ex Roem. & Schult.). **DC, MD, VA** (Atlas). Naturalized.

**pectinacea** (Michx.) Nees - pink grass, purple love grass, Carolina love grass. (*E. caroliniana* (Biehler) Scribn., misapplied, *E. diffusa* Buckley, *E. purshii* Hort. ex Steud.). **DC, MD, VA.**

**PILOSA** (L.) P. Beauv. - India love grass. (*E. multicaulis* Steud., *E. peregrina* Wiegand). **DC, MD, VA.** Naturalized.

**refracta** (Muhl. ex Elliott) Scribn. - meadow love grass. **VA:** Richmond Co. (Atlas).

**spectabilis** (Pursh) Steud. - purple love grass, petticoat-climber, tumble grass, trouble-grass. (*E. pectinacea* (Michx.) Nees, misapplied). **DC, MD, VA.**

**SUAVEOLENS** Becker ex Claus - sweet love grass, candy love grass. **MD:** Prince George's Co. (Norton 1930). Escape.

## POACEAE

**Eragrostis** - cont.

- TRICHODES** (Nutt.) A.W. Wood - sand love grass. **VA**: Loudoun Co. (Atlas). Waif, from west.
- TRICHOPHORA** Coss. - hairy-flowered love grass. (*E. atherstonei* Stapf). **MD**: Baltimore City, Canton, chrome ore piles (C.F. Reed 41334, 1958, as *E. "atherstonii"*). Waif.
- UNIOLOIDES** (Retz.) Nees ex Steud. - Chinese love grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**ERIOCHLOA**

- ACUMINATA** (J. Presl) Kunth - taper-tip cup grass. (*E. gracilis* (E. Fourn.) Hitchc.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *E. gracilis*). Waif, from west.
- CONTRACTA** Hitchc. - prairie cup grass. **VA**: Arlington Co. (*S.F. Blake 11675A*, 1933). Waif, from west.
- PUNCTATA** (L.) Desv. ex Ham. - Louisiana cup grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from southwest.

**Festuca**

- filiformis** Pourr. - fine-leaved sheep fescue. (*F. capillata* Lam., *F. ovina* var. *capillata* (Lam.) Mathieu, *F. ovina* var. *tenuifolia* (Sibth.) Mert. ex W.D.J. Koch, *F. tenuifolia* Sibth.). **DC**: Rock Creek Park (*P. Fleming 495*, 1987), **MD**: Howard and Prince George's cos. (B&B 1984, as *F. ovina* var. *capillata*), **VA**: Fairfax Co. (Atlas, as *F. tenuifolia*).
- paradoxa** Desv. - clustered fescue. (*F. nutans* Biehler, *F. shortii* Kunth ex Wood). **DC** (*S. Oakland 329*, 1962), **MD**: "Susquehanna Valley" (B&B 1984), **VA**: Culpeper Co. (Atlas), Prince William Co., Bull Run Mts. (*F.R. Fosberg 65829*, 1990).
- rubra** L. - red fescue. (*F. duriuscula* L., *F. ovina* var. *duriuscula* (L.) W.D.J. Koch). **DC, MD, VA**.
- subverticillata** (Pers.) E.B. Alexeev - nodding fescue. (*F. nutans* of authors, *F. obtusa* Biehler). **DC, MD, VA**.
- TRACHYPHYLLA** (Hack.) Krajina - hard fescue, sheep fescue. (*F. brevipila* R. Tracey, *F. duriuscula* L., misapplied, *F. ovina* L., misapplied). **DC, MD, VA**. Naturalized.

**Glyceria**

- canadensis** (Michx.) Trin. - rattlesnake grass, rattlesnake manna grass. (*Panicularia canadensis* (Michx.) Kuntze). **DC, MD**. Status with respect to *G. laxa* in W-B Area needs study.
- FLUITANS** (L.) R. Br. - water manna grass. (*Festuca fluitans* L., *Panicularia fluitans* (L.) Kuntze). **MD**: Baltimore Co. (Shreve 1910, as *Panicularia fluitans*). Waif? No reports since 1910 (see B&B 1984)
- grandis** S. Watson - American manna grass, reed meadow grass. (*Panicularia grandis* (S. Watson) Nash). **VA**: Arlington Co. (*F.L.J. Boettcher 428*, 1895).
- laxa** (Scribn.) Scribn. - lax rattlesnake manna grass, lax manna grass. (*G. canadensis* var. *laxa* (Scribn.) Hitchc., *Panicularia laxa* Scribn.). **DC, MD**. Status with respect to *G. canadensis* in need of study. Perhaps should be combined.

## POACEAE

**Glyceria** - cont.

**melicaria** (Michx.) F.T. Hubb. - northeastern manna grass, melic manna grass. (*G. torreyana* (Spreng.) Hitchc., *Panicularia melicaria* (Michx.) Hitchc.). **MD**: Baltimore Co. (Norton 1930); Prince George's Co., **VA**: Fauquier Co. (*H.A. Allard 518*, 1935).

**obtusa** (Muhl.) Trin. - coastal manna grass, Atlantic manna grass. (*Panicularia obtusa* (Muhl.) Kuntze). **MD, VA** (Atlas; Simmons et al. 1995).

**septentrionalis** Hitchc. - floating manna grass, eastern manna grass. (*G. fluitans* (L.) R. Br., misapplied, *Panicularia fluitans* (L.) Kuntze, misapplied, *P. septentrionalis* (Hitchc.) E.P. Bicknell). **DC** (*A.S. Hitchcock 12972*, 1917), **MD, VA**.

**striata** (Lam.) Hitchc. - fowl manna grass, nerved manna grass. (*G. nervata* (Willd.) Trin., *Panicularia nervata* (Willd.) Kuntze, *P. striata* (Lam.) Hitchc.). **DC, MD, VA**.

**Gymnopogon**

**ambiguus** (Michx.) Britton, Sterns & Poggenb. - beard grass, bearded skeleton grass. (*G. racemosus* P. Beauv.). **DC, MD, VA**: Fairfax Co.

**brevifolius** Trin. - beard grass, short-leaf skeleton grass. **VA**: Northumberland Co. (Atlas).

**HACKELOCHLOA**

**GRANULARIS** (L.) Kuntze. - pit-scale grass. (*Cenchrus granularis* L., *Manisuris granularis* (L.) L.f.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**Hierochloë**

**odorata** (L.) P. Beauv. - Vanilla grass, sweet grass. **MD**: Baltimore Co., Soldier's Delight (Reveal & Broome 1981).

**HOLCUS**

**LANATUS** L. - common velvet grass. (*Notholcus lanatus* (L.) Nash). **DC, MD, VA**. Naturalized.

**Hordeum**

**JUBATUM** L. - foxtail grass, squirrel-tail grass. **DC, MD**: Prince George's Co. (Norton 1930, Terrell et al. 2000), **VA**: Fairfax Co. (Atlas). Naturalized, from west.

**MARINUM** Huds. - Mediterranean barley, seaside barley. (*H. geniculatum* All., *H. hystrix* Roth). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**MURINUM** L. - wall barley. (*H. leporinum* Link). **DC, MD**: Baltimore City, Canton, chrome ore piles (*C.F. Reed 33404*, 1954; see also B&B 1984). Waif.

**pusillum** Nutt. - little barley. (*H. pratense* L., misapplied, *H. nodosum* Nutt., misapplied). **DC, MD, VA**.

**VULGARE** L. - barley. **DC, MD, VA** (Atlas). Escape, not persisting.

**ISCHAEMUM**

**INDICUM** (Houtt.) Merr. - Indian muraina grass. (*I. ciliare* Retz.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *I. ciliare*). Waif.

**RUGOSUM** Salisb. - ribbed muraina grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

## POACEAE

## Leersia

**oryzoides** (L.) Sw. - rice cut grass. (*Homalocenchrus oryzoides* (L.) Pollich). **DC, MD, VA.**

**virginica** Willd. - white grass. (*Homalocenchrus virginicus* (Willd.) Britton). **DC, MD, VA.**

## Leptochloa

**DUBIA** (Kunth) Nees - green sprangletop. (*Diplachne dubia* (Kunth) Scribn.). **MD:** Baltimore City, Canton, chrome ore piles (*C.F. Reed 32751*, 1953). Waif, from south.

**fusca** (L.) Kunth - bearded sprangletop, feather grass. (*Diplachne acuminata* Nash, *D. fascicularis* (Lam.) P. Beauv., *D. fusca* (L.) P. Beauv. ex Roem. & Schult., in part, *D. maritima* E.P. Bicknell, *L. acuminata* (Nash) Mohlenbr., *L. fascicularis* (Lam.) A. Gray). **DC:** Kenilworth Park (*R. Kanal 687*, 1989, as *L. fascicularis*), **MD, VA:** Alexandria (*E.S. Steele s.n.*, 1899, as *L. fascicularis*).

## LOLIUM

**MULTIFLORUM** Lam. - annual rye grass, Italian rye grass. (*L. italicum* A. Braun, *L. perenne* ssp. *multiflorum* (Lam.) Husn.). **DC, MD, VA.** Naturalized.

**PERENNE** L. - perennial rye grass. **DC, MD, VA.** Naturalized.

**TEMULENTUM** L. - darnel, poison darnel. **MD:** Baltimore Co., Canton, chrome ore piles (*Reed 1964a*). Waif.

## Melica

**mutica** Walter - two-flowered melic. **DC, MD, VA.**

## MELINIS

**REPENS** (Willd.) Zizka - creeping molasses grass. (*M. rosea* (Nees) Hack., *Rhynchelytrum repens* (Willd.) C.E. Hubb., *R. roseum* (Nees) Stapf & C.E. Hubb. ex Bews). **MD:** Baltimore City, Canton, chrome and manganese ore piles (*Reed 1964a*, as *Rhynchelytrum roseum*). Waif.

## MICROSTEGIUM

**VIMINEUM** (Trin.) A. Camus - Japanese stilt grass, coverall grass, Nepalese browntop. (*Eulalia viminea* (Trin.) Kuntze). **DC, MD, VA.** Naturalized, very invasive.

## MISCANTHUS

**SINENSIS** Andersson - eulalia, Chinese silver grass. **DC, MD, VA.** Escape.

## Muhlenbergia

**ASPERIFOLIA** (Nees & Meyen ex Trin.) Parodi - scratch grass, alkali muhly. **MD:** Frederick Co., Frederick (*Reed 1964a*). Waif. Western species collected in railroad yards.

**capillaris** (Lam.) Trin. - hair grass, hair-awned muhly. **MD, VA:** Fairfax Co. (Atlas).

**frondosa** (Poir.) Fernald - wire-stem muhly. (*M. mexicana* (L.) Trin., misapplied). **DC, MD, VA.**

**glabriflora** Scribn. - smooth-flowered muhly, smooth muhly. **MD:** Prince George's Co., Hyattsville (*F.L. Scribner s.n.*, 1888 as *M. mexicana*), **VA ?.** Included in *M. frondosa* in Atlas.

**glomerata** (Willd.) Trin. - marsh muhly, spiked muhly. (*M. racemosa* (Michx.) Britton, Sterns & Poggenb., in part). **DC ?:** "...viciniis Washington, D.C." (*J.W. Chickering, Jr.*, 152, 1873), **VA:** Fauquier Co. (Atlas).



## POACEAE

**Muhlenbergia** - cont.

**mexicana** (L.) Trin. - wire-stem muhly, Mexican muhly, satin grass. (*M. foliosa* (Roem. & Schult.) Trin.).  
**MD**: Baltimore Co., Soldier's Delight (*F.M. Uhler s.n.*, 1967), **VA** (Atlas).

**schreberi** J.F. Gmel. - nimblewill. (*M. palustris* Scribn. (holotype from DC)). **DC, MD, VA.**

**sobolifera** (Muhl. ex Willd.) Trin. - branched muhly, rock muhly. **DC, MD, VA.**

**sylvatica** (Torr.) Torr. ex A. Gray - forest muhly, woodland muhly. (*M. umbrosa* Scribn.). **DC, MD, VA.**  
 The two old DC specimens may not have been collected in DC proper.

**tenuiflora** (Willd.) Britton, Sterns & Poggenb. - slender-flowered muhly, slender muhly. (*M. willdenowii* Trin.). **DC, MD, VA**: Arlington Co. (*L.H. Dewey 335*, 1896).

**uniflora** (Muhl.) Fernald - bog muhly. **MD**: Prince George's Co., Suitland (*F.H. Sargent 6369*, 1953).

## OPLISMENUS

**HIRTELLUS** (L.) P. Beauv. - long-leaf basket grass. (*O. undulatifolius* (Ard.) Roem. & Schult., *Panicum hirtellum* L., *P. undulatifolium* Ard.). **MD**: Baltimore Co. (several US collections; see Peterson et al. 1999). Naturalized. Placed in ssp. *undulatifolius* (Ard.) U. Scholz by Peterson et al.

**Panicum**

**amarum** Elliott - beach grass, bitter panic grass. (*P. amarulum* A.S. Hitchc. & Chase). **MD, VA.**

**anceps** Michx. - flat-stemmed panic grass, beaked panic grass. (*P. rhizomatum* Hitchc. & Chase). **DC, MD, VA.**

**capillare** L. - witch grass, old-witch grass, common panic grass. **DC, MD, VA.**

**dichotomiflorum** Michx. - spreading witch grass, fall panic grass. (*P. proliferum* Lam., misapplied). **DC, MD, VA.**

**flexile** (Gatt.) Scribn. - wiry panic grass. (*P. capillare* var. *flexile* Gatt.). **DC, MD, VA.**

**gatteringi** Nash - Gattering's panic grass. (*P. capillare* var. *campestre* Gatt., *P. capillare* var. *gatteringi* Nash, name illegitimate, *P. capillare* var. *geniculatum* Scribn.). **DC, MD, VA.**

**MILIACEUM** L. - hog millet, broom-corn millet, proso. **DC, MD**: Prince George's Co., College Park (*P.M. Novik s.n.*, 1908). Escape.

**PALUDOSUM** Roxb. - marsh panic grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**philadelphicum** Bernh. ex Trin. - wood witch grass, Philadelphia panic grass. (*P. tuckermannii* Fernald). **DC, MD, VA.**

**rigidulum** Bosc. ex Nees - red-top panic grass. (*P. agrostoides* Spreng., *P. condensum* Nash, *P. elongatum* Pursh, not Salisb., *P. longifolium* Torr., *P. stipitatum* Nash). **DC, MD, VA.**

**SUMATRENSE** Roth ex Roem. & Schult. - barefoot panic grass. (*P. psilopodium* Trin.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif. Regarded as subsp. *psilopodium* (Trin.) de Wet

## POACEAE

**Panicum** - cont.

**verrucosum** Muhl. - warty panic grass. **DC, MD, VA.**

**virgatum** L. - switch grass, wand panic grass. **DC, MD, VA.**

## PARAPHOLIS

**INCURVA** (L.) C.E. Hubb. - curved sickle grass. **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**Paspalum**

**boscianum** Flüggé - bull grass, bull crown grass. **VA:** Fauquier Co.

**CONVEXUM** Humb. & Bonpl. ex Flüggé - Latin American crown grass. **MD:** Baltimore City, Canton, chrome ore piles (*C.F. Reed 32810*, 1953, as *P. circulare*). Waif.

**DILATATUM** Poir. - Dallis grass, golden crown grass. **DC** (*R. Kanal 391*, 1989), **MD:** Baltimore City, Canton, chrome ore piles (*C.F. Reed 41372*, 1958); Prince George's Co. (Terrell et al. 2000), **VA:** Fairfax Co., Mount Vernon (*Wells & Brown 4191*, 1997). Naturalized.

**dissectum** (L.) L. - Walter's paspalum, mudbank crown grass. (*Panicum dissectum* L., *Paspalum membranaceum* Walter). **DC.**

**distichum** L. - knot grass, jointed crown grass. (*P. paspaloides* (Michx.) Scribn.). **MD:** Baltimore City, Canton, chrome ore piles (*C.F. Reed 32749*, 1953).

**floridanum** Michx. - Florida paspalum, Florida crown grass. (*P. glabratum* (Engelm. ex Vasey) C. Mohr). **DC, MD, VA.**

**fluitans** (Elliott) Kunth - water paspalum, horsetail crown grass. (*P. repens* Berg var. *fluitans* (Elliott) Wipff & S.D. Jones). **MD, VA.** Perhaps better treated as *P. repens* var. *fluitans*.

**laeve** Michx. - smooth paspalum, field crown grass. (*P. circulare* Nash, *P. longipilum* Nash). **DC, MD, VA.**

**ORBICULATUM** Poir. - circular crown grass. **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**pubiflorum** Rupr. ex E. Fourn. - hairy-seed crown grass. **DC, MD:** Anne Arundel Co. (B&B 1984), **VA:** Fauquier Co. (Atlas).

**SCROBICULATUM** L. - Indian crown grass. **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**setaceum** Michx. - slender paspalum, slender crown grass. (*P. ciliatifolium* Michx., *P. debile* Michx., *P. longepedunculatum* Leconte, *P. muhlenbergii* Nash, *P. psammophilum* Nash ex Hitchc., *P. pubescens* Muhl. ex Willd., *P. supinum* Bosc ex Poir.). **DC, MD, VA.**

## PENNISETUM

**GLAUCUM** (L.) R. Br. - pearl-millet. (*Setaria glauca* (L.) P. Beauv., in part). **MD:** Anne Arundel Co., Brooklyn Park, and Baltimore City, Canton, chrome ore piles (Reed 1964a), **VA:** Fauquier Co. (Atlas). Escape.

**Phalaris**

**arundinacea** L. - reed canary grass. **DC, MD, VA.**

## POACEAE

**Phalaris** - cont.

**CANARIENSIS** L. - canary grass, bird-seed grass. **DC, MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Escape.

**caroliniana** Walter - May grass. **MD:** Baltimore Co. (Norton 1930). No other records, probably extirpated.

**PARADOXA** L. - Mediterranean canary grass. **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**PHLEUM**

**PRATENSE** L. - timothy, herd's grass. **DC, MD, VA.** Naturalized.

**SUBULATUM** (Savi) Asch. & Graebn. - Italian timothy. **MD:** Baltimore City, Canton, chrome ore piles (C.F. Reed 33401, 1954). Waif.

**Phragmites**

**australis** (Cav.) Trin. ex Steud. - common reed, wild reed. (*P. communis* Trin., *P. phragmites* (L.) H. Karst.). **DC, MD, VA.** There are native and naturalized forms.

**PHYLLOSTACHYS**

**BAMBUSOIDES** Siebold & Zucc. - Japanese timber bamboo. **MD:** Prince George's Co., Hyattsville (Norton 1930; B&B 1984). Persisting and spreading vegetatively from cultivation.

**FLEXUOSA** Rivière & C. Rivière - drooping timber bamboo. **MD:** Frederick Co. (B&B 1984). Persisting and spreading vegetatively from cultivation.

**PIPTATHERUM**

**MILIACEUM** (L.) Coss. - smilo grass. (*Oryzopsis miliacea* (L.) Benth. & Hooker f. ex Asch. & Schweinf.). **MD:** Baltimore City, Canton, pumice piles, from islands off Italy (Reed 1964a). Waif.

**Piptochaetium**

**avenaceum** (L.) Parodi - black-seed needle grass, black oat grass. (*Stipa avenacea* L.). **DC, MD, VA.**

**Poa**

**ANNUA** L. - annual blue grass, spear grass. **DC, MD, VA.** Naturalized.

**autumnalis** Muhl. ex Elliott - autumn blue grass. (*P. flexuosa* Muhl., misapplied). **DC, MD, VA.**

**BULBOSA** L. - bulbous blue grass. **MD, VA** (Atlas; Simmons et al. 1995). Waif.

**CHAPMANIANA** Scribn. - Chapman's blue grass. **VA:** Arlington Co. (C.F. Wheeler s.n., 1907). Escape.

**COMPRESSA** L. - Canada blue grass, flat-stemmed blue grass. **DC, MD, VA.** Naturalized.

**cuspidata** Nutt. - short-leaved blue grass, early blue grass. (*P. brachyphylla* Schult., *P. brevifolia* Muhl.). **DC, MD, VA.**

**nemoralis** L. - woods blue grass, forest blue grass. **MD:** Prince George's Co., Suitland Road (R. Kanal 609, 1989), **VA:** Arlington Co. (H.A. Allard 2901, 1937, 4654, 1938).

## POACEAE

## Poa - cont.

**paludigena** Fernald & Wiegand - marsh blue grass, bog blue grass. **VA**: Fauquier Co. (Atlas). A plant of bog habitats, this species is doubtful for Fauquier Co.

**palustris** L. - fowl blue grass, fowl meadow grass. (*P. serotina* Ehrh. ex Schrad., *P. triflora* Gilib.). [E.S. Steele, 1896, "Washington, D.C., and Vicinity"]. Found also in Eurasia and may in part be introduced.

**pratensis** L. - Kentucky blue grass, June grass, spear grass. **DC, MD, VA**. Widespread in North America and Eurasia and often cultivated and naturalized.

**sylvestris** A. Gray - forest blue grass, sylvan blue grass, woodland blue grass. **DC, MD, VA**.

**TRIVIALIS** L. - rough-stemmed blue grass, rough blue grass. **DC, MD, VA**. Naturalized.

## POLYPOGON

**MONSPELIENSIS** (L.) Desf. - rabbit's-foot grass. **MD**: St. Mary's Co., Point Lookout (*O.M. Freeman s.n.*, 1932), **VA**: Lancaster Co. (*R. McVaugh 4994*, 1940). Naturalized.

## PUCCINELLIA

**DISTANS** (Jacq.) Parl. - spreading alkali grass, European alkali grass. **MD**: Baltimore Co., Owings Mills (Collected 2000, Charles Davis, personal communication, June 2002). Waif.

## ROSTRARIA

**CRISTATA** (L.) Tzvelev - annual June grass. (*Koeleria phleoides* (Vill.) Pers.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *Koeleria phleoides*). Waif.

## Saccharum

**alopecuroides** (L.) Nutt. - silver plume grass. (*Erianthus alopecuroides* (L.) Elliott). **VA** (Atlas, as *Erianthus alopecuroides*).

**brevibarbe** (Michx.) Pers. - brown plume grass, short-awned plume grass. (*Erianthus alopecuroides* var. *brevibarbis* (Michx.) Chapm., *E. brevibarbis* Michx., *E. contortus* Baldwin ex Elliott, *Saccharum contortum* (Baldwin ex Elliott) Nutt.). **VA** (Atlas, as *Erianthus contortus*).

**giganteum** (Walter) P. Beauv. - sugar-cane plume grass, giant plume grass. (*Erianthus alopecuroides* (L.) Elliott, misapplied, *E. compactus* Nash, *E. giganteus* (Walter) Muhl., *E. saccharoides* Michx.). **DC, MD, VA**.

**ravennae** (L.) Murray - ravenna grass, plume grass. (*Erianthus ravennae* (L.) P. Beauv.). **DC**: Anacostia Park (*B.W. Steury 001016.1*, 2000). Escape.

## Sacciolepis

**striata** (L.) Nash - American cupscale. **MD**: Calvert Co. (Gilman 1957), **VA** (Atlas).

## SCHEDONORUS

**ARUNDINACEUS** (Schreb.) Dumort. - tall fescue, alta fescue, tall rye grass. (*Festuca arundinacea* Schreb., *F. elatior* L., *Lolium arundinaceum* (Schreb.) Darbysh., *Schedonorus elatior* (L.) P. Beauv., *S. phoenix* (Scop.) Holub). **DC, MD, VA**. Naturalized.

**PRATENSIS** (Huds.) P. Beauv. - meadow fescue, meadow rye grass. (*Festuca elatior* L., misapplied, *F. pratensis* Huds., *Lolium pratense* (Huds.) Darbysh.). **DC, MD, VA**. Naturalized.

## POACEAE

**Schizachyrium**

**scoparium** (Michx.) Nash - little bluestem, little false bluestem. (*Andropogon scoparius* Michx.). **DC, MD, VA.**

**Sclerochloa**

**dura** (L.) P. Beauv. - common hard grass. (*Cynosurus durus* L.). **MD:** Frederick Co., cornfield (Hill 1988).

## SECALE

**CEREALE** L. - rye. **DC, MD, VA.** Escape.

**Setaria**

**FABERI** R.A.W. Herrm. - giant foxtail grass, nodding foxtail grass, Japanese bristle grass. **DC, MD, VA.** Naturalized.

**GRISEBACHII** E. Fourn. - Grisebach's bristle grass. **MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from southwest.

**ITALICA** (L.) P. Beauv. - foxtail-millet, millet, Italian bristle grass. (*Chaetochloa italica* (L.) Scribn.). **DC, MD** (Norton 1930; B&B 1984), **VA.** Escape.

**magna** Griseb. - salt-marsh foxtail grass, giant foxtail grass, giant bristle grass. (*Chaetochloa magna* (L.) Scribn.). **MD:** St. Mary's Co. (*A.S. Hitchcock* 7890, 1911), **VA** (Atlas).

**parviflora** (Poir.) Kerguélen - knotroot foxtail grass, perennial foxtail grass, knotroot bristle grass. (*Chaetochloa geniculata* (Lam.) Millsp. & Chase, misapplied, *C. imberbis* (Poir.) Scribn., *S. geniculata* P. Beauv., misapplied). **DC, MD, VA.**

**PUMILA** (Poir.) Roem. & Schult. - yellow foxtail grass. (*Chaetochloa glauca* (L.) Scribn., in part, *C. lutescens* (Weigel) Stuntz, misapplied, *Pennisetum glaucum* (L.) R. Br., in part, *Setaria glauca* (L.) P. Beauv., in part, *S. lutescens* (Poir.) Roem. & Schult., misapplied, *S. pallidifusca* (Schumach.) Stapf & C.E. Hubb.). **DC, MD, VA.** Naturalized.

**VERTICILLATA** (L.) P. Beauv. - bur foxtail grass, rough foxtail grass, bur bristle grass, rough bristle grass. (*Chaetochloa verticillata* (L.) Scribn.). **DC, MD** (inferred from B&B 1984), **VA** (Atlas). Naturalized.

**VIRIDIS** (L.) P. Beauv. - green foxtail grass, green bristle grass. (*Chaetochloa viridis* (L.) Scribn.). **DC, MD, VA.** Naturalized.

**Sorghastrum**

**nutans** (L.) Nash - Indian grass, yellow Indian grass. (*S. avenaceum* (Michx.) Nash). **DC, MD, VA.**

## SORGHUM

**BICOLOR** (L.) Moench - sorghum, milo, broom-corn, Kafir-corn, Sudan grass. (*Holcus sorghum* L., *S. vulgare* Pers.). **DC, MD:** Baltimore City, Canton, chrome ore piles (Reed 1964a, as *S. vulgare*); state generally (B&B 1984), **VA** (Atlas). Escape, not persisting.

**HALEPENSE** (L.) Pers. - Johnson grass. (*Holcus halepensis* L.). **DC, MD, VA.** Naturalized, very invasive.

**Spartina**

**alterniflora** Loisel - smooth cord grass, saltwater cord grass. (*S. glabra* Muhl. ex Elliott). **MD, VA.**

## POACEAE

**Spartina** - cont.

**xcaespitosa** A.A. Eaton - tufted salt-meadow cord grass. **MD**: Calvert Co. (*Hitchcock & Chase 292*, 1905; *A.S. Hitchcock 2385*, 1907). Annotated by Mark J. McDonnell (1979). Sometimes treated as a variety of *S. patens*.

**cynosuroides** (L.) Roth - big cord grass. **DC**: Potomac River, Chain Bridge (*J.W. Chickering, Jr., s.n.*, 1828), **MD, VA**.

**patens** (Aiton) Muhl. - salt-meadow cord grass. (*S. juncea* (Aiton) Muhl.). **MD, VA**.

**pectinata** Link - freshwater cord grass, prairie cord grass. (*S. cynosuroides* (L.) Roth, misapplied, *S. michauxiana* Hitchc.). **DC, MD, VA**.

**Sphenopholis**

**filiformis** (Chapm.) Scribn. - longleaf wedge grass, longleaf wedgescale. **VA**.

**intermedia** (Rydb.) Rydb. - slender wedge grass, slender wedgescale. (*Eatonia pensylvanica* (Spreng.) A. Gray, misapplied, *S. obtusata* var. *major* (Torr.) Erdman, *S. pallens* (Spreng.) Scribn., of H&S). **DC, MD, VA**.

**nitida** (Biehler) Scribn. - shiny wedge grass, shiny wedgescale. (*Eatonia dudleyi* Vasey, *E. nitida* (Biehler) Nash). **DC, MD, VA**.

**obtusata** (Michx.) Scribn. - prairie wedge grass, prairie wedgescale. (*Eatonia obtusata* (Michx.) A. Gray). **DC, MD, VA**.

**xpallens** (Biehler) Scribn. (*S. obtusata xpensylvanica*) - **VA**: Alexandria (*G. Vasey s.n.*, 1884; US868652). Annotated by K.S. Erdman.

**pensylvanica** (L.) Hitchc. - swamp-oats, swamp wedgescale. (*Trisetum palustre* (Michx.) Torr., *T. pensylvanicum* (L.) P. Beauv. ex Roem. & Schult.). **MD, VA**.

**Sporobolus**

**compositus** (Poir.) Merr. - tall dropseed, rough dropseed, headlike dropseed. (*S. asper* (P. Beauv.) Kunth, *S. canovirens* Nash, *S. clandestina* (Biehler) Hitchc., *Vilfa asper* P. Beauv.). **MD, VA**. One old collection (*J.W. Chickering, Jr. s.n.* [2 sheets], "viciniis Washington, D.C.," may have been from DC, as *Vilfa asper*). *V. asper* reported from Little Falls by G. Vasey in 1874 (Ward 1881) -- **DC?**

**COROMANDELIANUS** (Retz.) Kunth - target dropseed. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**INDICUS** (L.) R. Br. - smut grass. **MD**: Calvert Co., Cove Point Park (*B.W. Steury 990821.4*, 1999), **VA**: Lancaster Co. (Atlas). Waif. Included by some in *S. coromandelianus*.

**neglectus** Nash - small dropseed. **DC** (several specimens from 1896). Included by some as a variety of *S. vaginiflorus*.

**PYRAMIDATUS** (Lam.) Hitchc. -. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif, from southwest. Included by some in *S. coromandelianus*.

**vaginiflorus** (Torr. ex A. Gray) A.W. Wood - poverty dropseed, poverty grass. (*Vilfa vaginiflorus* Torr. ex A. Gray). **DC, MD, VA** (Atlas).

## POACEAE

**Sporobolus** - cont.

**virginicus** (L.) Kunth - seashore dropseed. **MD**: Baltimore City, Canton, manganese ore piles (Reed 1964a).

## THEMEDA

**ARGUENS** (L.) Hack. - Christmas grass. (?*T. frondosa* (R. Br.) Merr.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *T. frondosa*). Waif.

**Torreyochloa**

**pallida** (Torr.) G.L. Church - pale false manna grass. (*Glyceria pallida* (Torr.) Trin., *Panicularia pallida* (Torr.) Kuntze, *Puccinellia pallida* (Torr.) R.T. Clausen). **MD, VA**: Alexandria (*Vasey s.n.*, 1874).

## TRAGUS

**RACEMOSUS** (L.) All. - stalked bur grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**Tridens**

**flavus** (L.) Hitchc. - purpletop, tall redtop. (*Sieglingia sesleroides* (Michx.) Scribn., *Tricuspis flava* (L.) F.T. Hubb., *T. sesleroides* Torr., *Triodia flava* (L.) Smyth, *T. sesleroides* (Michx.) Benth. ex Vasey). **DC, MD, VA**.

**Triplasis**

**purpurea** (Walter) Chapm. - purple sand grass. **MD**: Calvert Co., **VA**: King George Co. (*N. Hotchkiss 7169*, 1947).

**Tripsacum**

**dactyloides** (L.) L. - eastern gama grass. **DC, MD, VA**.

**Triticum**

**AESTIVUM** L. - wheat. **DC, MD, VA**. Escape, not persisting.

## UROCHLOA

**MUTICA** (Forssk.) T.Q. Nguyen - para grass, para liverseed grass. (*Brachiaria mutica* (Forssk.) Stapf, *Panicum muticum* Forssk., *P. purpurascens* Raddi). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *Panicum purpurascens*). Waif.

**PANICOIDES** P. Beauv. - panic liverseed grass. **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a). Waif.

**RAMOSA** (L.) T.Q. Nguyen - brown-top millet, Dixie liverseed grass. (*Brachiaria ramosa* (L.) Stapf, *Panicum ramosum* L.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *Panicum ramosum*). Waif.

**REPTANS** (L.) Stapf - sprawling liverseed grass. (*Brachiaria reptans* (L.) C.A. Gardner & C.E. Hubb., *Panicum reptans* L.). **MD**: Baltimore City, Canton, chrome ore piles (Reed 1964a, as *Panicum reptans*). Waif, north of range.

**Vulpia**

**elliotea** (Raf.) Fernald - squirrel-tail fescue, southern fescue, squirrel-tail six-weeks grass. (*Festuca sciurea* Nutt. var. *sciurea* (Nutt.) Henrard). **MD**: Montgomery Co., Chevy Chase (FJH 1946), Prince George's Co. (*A.S. Hitchcock 12628*, 1915).

**POACEAE - POTAMOGETONACEAE****Vulpia** - cont.

**MYUROS** (L.) C.C. Gmel. - rat-tail fescue, rat-tail six-weeks grass. (*Festuca myuros* L.). **DC, MD, VA.**  
Naturalized.

**octoflora** (Walter) Rydb. - six-weeks fescue, six-weeks grass, eight-flowered six-weeks grass. (*Festuca octoflora* Walter, *F. tenella* Willd., *V. tenella* (Willd.) Heynh.). **DC, MD, VA.**

**Zizania**

**aquatica** L. - wild rice, Indian wild rice. (*Z. palustris* L., misapplied). **DC, MD, VA.**

**Zizaniopsis**

**miliacea** (Michx.) Döll. & Asch. - southern wild rice, mars-millet. **MD:** Calvert Co., Cove Point (*B.W. Steury 990703.4*, 1999), **VA.**

**ZOYSIA**

**JAPONICA** Steud. - zoysia, Japanese lawn grass, Korean temple grass. **MD** (B&B 1984; Terrell et al. 2000). Escape, spreading from lawns.

**PONTEDERIACEAE** *The Pickerel-weed Family***Heteranthera**

**dubia** (Jacq.) MacMill. - water-stargrass, grass-leaved mud-plantain. (*Schollera graminea* Raf. ex A. Gray, *Zosterella dubia* (Jacq.) Small). **DC, MD, VA.**

**reniformis** Ruiz & Pav. - kidney-leaved mud-plantain. **DC, MD, VA.**

**Pontederia**

**cordata** L. - pickerel-weed. **DC, MD, VA.**

**POTAMOGETONACEAE** *The Pondweed Family***Potamogeton**

**amplifolius** Tuck. - large-leaved pondweed, muskie-weed, bass-weed. **DC** (1884), **MD:** W-B Area (B&B 1984), **VA.**

**crispus** L. - curly pondweed. **DC, MD, VA.** Naturalized.

**diversifolius** Raf. - common snail-seed pondweed, variable pondweed, waterthread pondweed. (*P. capillaceus* Poir., misapplied, *P. hybridus* Michx., misapplied). **MD, VA.**

**epihydus** Raf. - ribbon-leaf pondweed, floating pondweed. (*P. claytonii* Tuck., *P. nuttallii* Cham. & Schltldl.). **DC, MD, VA.**

**foliosus** Raf. - (*P. pauciflorus* Pursh). **DC, MD, VA.**

**friesii** Rupr. - Fries' pondweed, flat-stalked pondweed. **VA:** Alexandria(?), Hunting Creek (McAtee 1940, p. 137). No specimens in DC Herbarium. Record based on *G.H. Shull 255* (in MO), identified by M.L. Fernald (1932, p. 54).

**illinoensis** Morong - Illinois pondweed. (*P. angustifolius* C. Presl & Bercht., misapplied, *P. lucens* L., misapplied, *P. natans* L., misapplied). **MD:** Harford Co., Havre de Grace (*J.L. Dickson s.n.*, 1895), **VA:** Arlington and Fairfax cos.



## POTAMOGETONACEAE - SMILACEAE

**Potamogeton** - cont.

- natans** L. - floating pondweed, floating-leaf pondweed, swimming pondweed. **MD** ? (inferred from B&B 1984). Report by Ward (1881) for Anacostia River (as Eastern Branch) probably *P. illinoensis*. In MD, "common throughout," according to B&B 1984, but state not included by Haynes & Hellquist (2000, p. 64).
- nodosus** Poir. - long-leaf pondweed. (*P. americanus* Cham. & Schltld., *P. claytonii* Tuck., *P. fluitans* Roth, misapplied, *P. lonchites* Tuck.). **DC, MD, VA.**
- perfoliatus** L. - redhead-grass, clasping-leaved pondweed, perfoliate pondweed. (*P. bupluroides* Fernald). **MD, VA.** Our material often treated as var. *bupleuroides* (Fernald) Farw.
- pulcher** Tuck. - spotted pondweed. **MD:** Charles Co., Zekiah Swamp (*F.M. Uhler, C.F. Smith & R.C. Erickson s.n.*, 1939), **VA:** Fairfax Co. (Atlas).
- pusillus** L. - small pondweed, slender pondweed. (*P. berchtoldii* Fieber, *P. panormitanus* Biv.). **MD:** Baltimore Co., Aberdeen Proving Grounds (*B.W. Steury 980722.3*, 1998; see also Terrell et al. 2000), **VA.**
- robbinsii** Oakes - fern pondweed, Robbins' pondweed. **MD, VA.** All old specimens. The several from VA apparently all from mouth of Hunting Creek, Alexandria, and/or Fairfax Co.
- zosteriformis** Fernald - flat-stem pondweed. (*P. compressus* L., misapplied, *P. zosterifolius* Schumach., misapplied). **MD:** "Mill Creek" (*G.H. Shull 163*, 1902), **VA.**

**Stuckenia**

- pectinatus** (L.) Börner - sago-pondweed. (*Coleogeton pectinatus* (L.) Les & R.R. Haynes, *Potamogeton pectinatus* L.). **DC:** Fish Pond (*G.H. Shull 14*, 1902), **MD, VA.**

RUPPIACEAE *The Ditch-grass Family***Ruppia**

- maritima** L. - ditch-grass, widgeon-grass, tassel-pondweed. **MD, VA:** King George Co. (*H.H. Iltis 2277*, 1943).

SMILACACEAE *The Greenbrier Family***Smilax**

- bona-nox** L. - catbrier, bullbrier, China-brier, fringed greenbrier. **MD, VA** (Atlas).
- glauca** L. - sawbrier, glaucous greenbrier, wild sarasparilla. **DC, MD, VA.**
- herbacea** L. - smooth carrion-flower. (*S. herbacea* var. *lasioneuron* (Hook.) A. DC., perhaps misapplied). **DC, MD, VA.** Includes *S. pulverulenta* in Atlas.
- pseudochina** L. - false china-root, bullbrier, bamboo-vine. (*S. tamnifolia* Michx., *S. tamnoides* L., misapplied (H&S)). **DC, MD, VA:** King George Co. (Simmons et al. 1995), Lancaster Co. (Atlas).
- pulverulenta** Michx. - downy carrion-flower. (*S. herbacea* var. *pulverulenta* (Michx.) A. Gray). **DC, MD, VA.** Included in *S. herbacea* in Atlas.

## SMILACACEAE - ZANNICHELLIACEAE

**Smilax** - cont.

**rotundifolia** L. - common greenbrier, common catbrier, bullbrier, horsebrier. **DC, MD, VA.**

**tamniodes** L. - China-root, bristly greenbrier, hellfetter. (*S. hispida* Muhl. ex Torr., *S. tamnifolia* Michx., misapplied, *S. tamniodes* var. *hispida* (Muhl. ex Torrey) Fernald). **DC, MD, VA.**

**walteri** Pursh - red-berried greenbrier, red-berried-bamboo, coral greenbrier. **MD:** Charles Co., Mattawoman Creek (*M.T. Strong 1625*, 1998), **VA:** Lancaster Co. (Atlas).

SPARGANIACEAE *The Bur-reed Family***Sparganium**

**americanum** Nutt. - American bur-reed. **DC, MD, VA.**

**androcladum** (Engelm.) Morong - staminate bur-reed, branched bur-reed. **MD:** Montgomery Co., Great Falls (*W.L. McAtee 2318*, 1915; see also McAtee 1940, p. 137, and B&B 1984), **VA:** Prince William Co. (Atlas).

**eurycarpum** Engelm. - large bur-reed, broad-fruit bur-reed. **DC, MD, VA.**

TYPHACEAE *The Cattail Family***Typha**

**angustifolia** L. - narrow-leaved cattail. **DC, MD, VA.**

**domingensis** Pers. - southern cattail, Santo Domingo cattail. **MD, VA.**

**latifolia** L. - broad-leaved cattail. **DC, MD, VA.** Including *T. xglauca* Godr.

XYRIDACEAE *The Yellow-eyed-grass Family***Xyris**

**difformis** Chapm. - bog yellow-eyed-grass. (*X. caroliniana* Walter, misapplied). **DC:** Oxon Run bog (*P. Fleming 2302*, 1989; see also Steury 2000), **MD, VA** (Atlas).

**JUPICAI** Rich. - Richard's yellow-eyed-grass. **MD:** St. Mary's Co. (*E.H. Walker 3921*, 1945, as *X. caroliniana* Walter), **VA:** Alexandria, Hunting Creek (*G.H. Shull 208*, 1902, as *X. caroliniana*). Naturalized. See Steury 2000.

**torta** Sm. - slender yellow-eyed-grass. (*X. flexuosa* Muhl. ex Elliott, misapplied). **DC, MD, VA.**

ZANNICHELLIACEAE *The Horned-pondweed Family***Zannichellia**

**palustris** L. - horned-pondweed. **DC, MD, VA.**

**ZOSTERACEAE**ZOSTERACEAE *The Eel-grass Family***Zostera**

**marina** L. - common eel-grass, seawrack. **MD**: Calvert Co., Solomons Island (*R.V. Truitt s.n.*, 1924).  
Abundant around Chesapeake Bay (B&B 1984).



### Key to Abbreviations of Authors of Plant Names of Parts I and II

The abbreviations follow the standards established by Brummitt & Powell 1992. Other abbreviations that have been used appear in column 4. The abbreviation "fl.," for the Latin *floruit* ("flowered"), signifies a known date in the life of the author that is neither the birth nor the death date.

P.B.Adams	Adams, P.B.	fl. 1978	Adams
Aellen	Aellen, Paul	1896-1973	
H.E.Ahles	Ahles, Harry E.	1924-1981	Ahles
W.T.Aiton	Aiton, William Townsend	1766-1849	Ait. f.
Aiton	Aiton, William	1731-1793	Ait.
Al-Shehbaz	Al-Shehbaz, Ihsan Ali	1939-	
Alexander	Alexander, Edward Johnston	1901-1985	
E.B.Alexeev	Alexeev, E.B.	1946-1976	Alexeev
All.	Allioni, Carlo	1728-1804	
Ames	Ames, Oakes	1874-1950	
Andersson	Andersson, Nils Johan	1821-1880	
E.G.Andrews	Andrews, E.G.		
Andrews	Andrews, Henry Charles	1794-1830	Andr.
Andrz.	Andrzejowski, Antoni Lukianowicz	1785-1868	
Arcang.	Arcangeli, Giovanni	1840-1921	
Ard.	Arduino, Pietro	1728-1805	
Arn.	Arnott, George Arnott Walker	1799-1868	Arnott
Arthur	Arthur, Joseph Charles	1850-1942	
Asch.	Ascherson, Ferdinand Moritz	1798-1879	Aschers.
Ashe	Ashe, William Willard	1872-1932	
G.F.Atk.	Atkinson, George Francis	1854-1918	Atkinson
Aubl.	Aublet, Jean Baptiste Christophore Fusée	1720-1778	
Austin	Austin, Coe Finch	1831-1880	
Avé-Lall.	Avé-Lallemant, Julius Léopold Edouard	1803-1867	Lal.
L.H.Bailey	Bailey, Liberty Hyde	1858-1954	Bailey
Baill.	Baillon, Henri Ernest	1827-1895	
Baker	Baker, John Gilbert	1834-1920	
M.S.Baker	Baker, Milo Samuel	1868-1961	
Baldwin	Baldwin, William	1779-1819	Baldw.
P.W.Ball	Ball, Peter William	1932-	
C.R.Ball	Ball, Carleton Roy	1873-1958	Ball
Banks	Banks, Joseph	1743-1820	
Barneby	Barneby, Rupert Charles	1911-2000	
Barnhart	Barnhart, John Hendley	1871-1949	Barnh.
Barratt	Barratt, Joseph	1796-1882	
Bartal.	Bartalini, Biagio	1746-1822	

Bartlett	Bartlett, Harley Harris	1886-1960	
Barton	Barton, Benjamin Smith	1766-1815	Bart.
W.P.C.Barton	Barton, William Paul Crillon	1786-1856	Bart., Barton
W.Bartram	Bartram, William	1739-1823	Bartr., W. Bart.
Bartram	Bartram, John	1699-1777	Bartr.
V.M.Bates	Bates, Vernon M.	fl. 1984	Bates
Batsch	Batsch, August Johann Georg Karl	1761-1802	
Baumg.	Baumgarten, Johann Christian Gottlob	1765-1843	
R.J.Bayer	Bayer, Randall J.	1955-	
Beadle	Beadle, Chauncey Delos	1866-1950	
Bean	Bean, William Jackson	1863-1947	
P.Beauv.	Palisot de Beauvois, Ambroise Marie François Joseph	1752-1820	Beauv.
Bebb	Bebb, Michael Schuck	1833-1895	
Beck	Beck, Günther von Mannagetta und Lärchenau	1856-1931	G. Beck
Becker	Becker, Johannes	1769-1833	
Beetle	Beetle, Alan Ackerman	1913-	
Bég.	Béguinot, Augusto	1875-1940	
Beitel	Beitel, Joseph M.	1952-1991	
Bellardi	Bellardi, Carlo Antonio Lodovico	1741-1826	
Beloserky	Beloserky, R.N.	fl. 1966	Bel.
Benj.	Benjamin, Ludwig	1825-1848	
A.Benn.	Bennett, Arthur	1843-1929	
Benth.	Bentham, George	1800-1884	
Bercht.	Berchtold, Bedricha (Friedrich) Wssemjra von	1781-1876	
Berg	Berg, Ernst von	1782-1855	
Berger	Berger, Ernst Friedrich	1814-1853	
P.J.Bergius	Bergius, Peter Jonas	1730-1790	Berg.
Bernh.	Bernhardi, Johann Jakob	1774-1850	
Bertol.	Bertoloni, Antonio	1775-1869	
Besser	Besser, Wilibald Swibert Joseph Gottlieb von	1784-1842	Bess.
Bews	Bews, John William	1884-1938	
Beyr.	Beyrich, Heinrich Karl	1796-1834	Bey.
E.P.Bicknell	Bicknell, Eugene Pintard	1859-1925	Bickn.
M.Bieb.	Bieberstein (See Marschall von Bieberstein)		Bieb.
M.Bieb.	Marschall von Bieberstein, Friedrich August	1768-1826	Bieb.
Biehler	Biehler, Johann Friedrich Theodor	c.1785-18??	
Bigelow	Bigelow, Jacob	1787-1879	Bigel.
Biv.	Bivona-Bernardi, Antonius de	1774-1837	
S.F.Blake	Blake, Sidney Fay	1892-1959	
Blake	Blake, Joseph	1814-1888	
Blanch.	Blanchard, William Henry	1850-1922	
Blasdell	Blasdell, Robert Ferris	1929-1996	

H.L.Blomq.	Blomquist, Hugo Leander	1888-1964	Blomquist, Blomq.
Bluff	Bluff, Mathias Joseph	1805-1837	
Blume	Blume, Carl (Karl) Ludwig von	1796-1862	
Boeck.	Boeckeler, Johann Otto	1803-1899	
Boiss.	Boissier, Pierre Edmond	1810-1885	
B.Boivin	Boivin, Joseph Robert Bernard	1916-1985	Boivin
Bonpl.	Bonpland, Aimé Jacques Alexandre (né Goujaud, A.J.A.)	1773-1858	B. (in H.&B. - - see Humboldt)
Boott	Boott, Francis M.B.	1792-1863	
Borbás	Borbás, Vinczé (Vincent, Vince) von	1844-1905	
Boreau	Boreau, Alexandre	1803-1875	
Borkh.	Borkhausen, Moritz (Moriz) Balthasar	1760-1806	Borck.
Börner	Börner, Carl (Karl) Julius Bernhard	1880-1953	
Borrer	Borrer, William J.	1781-1862	
Borss.-Waalk.	Borssum Waalkes, Jan van	1922-1985	Waalkes
Bosc	Bosc, Louis Augustin Guillaume	1759-1828	
Boucher	Boucher de Crèvecoeur, Jules Arman Guillaume	1757-1844	
Brack.	Brackenridge, William Dunlop	1810-1893	
Brainerd	Brainerd, Ezra	1844-1924	
Brandenburg	Brandenburg, D.M.	fl. 1991	
Branner	Branner, John C.	fl. 1888	
E.L.Braun	Braun, Emma Lucy	1889-1971	
A.Braun	Braun, Alexander Karl (Carl) Heinrich	1805-1877	
Brenckle	Brenckle, Jacob Frederic(k)	1875-1958	
Bright	Bright, John	1872-1952	
Britten	Britten, James	1846-1924	
Britton	Britton, Nathaniel Lord	1859-1934	Britt., B. (in BSP or B.S.P. - see Sterns, Poggenburg)
Brongn.	Brongniart, Adolphe Théodore (de)	1801-1876	
R.E.Brooks	Brooks, Ralph Edward	1950-	
Brot.	Brotero, Felix de (Silva) Avellar	1744-1828	
Brouillet	Brouillet, Luc	1954-	
M.Broun	Broun, Maurice	1906-	
Bruijn	De Bruijn (Bruyn), Ary Johannes	1811-1896	De Bruyn
Brummitt	Brummitt, Richard Kenneth	1937-	
Buchenau	Buchenau, Franz Georg Philipp	1831-1906	Buch.
Buckley	Buckley, Samuel Botsford	1809-1884	
Bunge	Bunge, Alexander Andrejewitsch (Aleksandr Andreevic, Aleksandrovic) von	1803-1890	
Burdet	Burdet, Hervé Maurice	1939-	
Bureau	Bureau, Louis Édouard	1830-1918	

E.S.Burgess	Burgess, Edward Sandford	1855-1928	
Burm.	Burman, Johannes	1707-1779	
Burm. f.	Burman, Nicolaas Laurens (Nicolaus Laurent)	1734-1793	
Bush	Bush, Benjamin Franklin	1858-1937	
Cabrera	Cabrera, Angel Lulio	1908-1999	
Calder	Calder, James (Jim) Alexander	1915-1990	
Cambess.	Cambessèdes, Jacques	1799-1863	Camb.
Camp	Camp, Wendell Holmes	1904-1963	
A.Camus	Camus, Aimée Antoinette	1879-1965	
Canby	Canby, William Marriott	1831-1904	
J.Carey	Carey, John	1797-1880	Carey
Caro	Caro, José Aristida (Alfredo)	1919-1985	
Carrière	Carrière, Élie Abel	1818-1896	
Carruth.	Carruthers, William	1830-1922	
Casp.	Caspary, Johann Xaver Robert	1818-1887	
Cass.	Cassini, Alexandre Henri Gabriel de	1781-1832	
Cav.	Cavanilles, Antonio José (Joseph)	1745-1804	
Cavara	Cavara, Fridiano	1857-1929	
Celak.	Celakovsky, Ladislav Josef	1834-1902	
Cham.	Chamisso, Ludolf Karl Adelbert von	1781-1838	
Chapm.	Chapman, Alvan (Alvin) Wentworth	1809-1899	
Chase	Chase, Mary Agnes (née Merrill)	1869-1963	
Châtel.	Châtelain, Jean Jacques	1736-1822	
Chodat	Chodat, Robert Hippolyte	1865-1934	Chod.
Choisy	Choisy, Jacques Denys (Denis)	1799-1859	
C.Chr.	Christensen, Carl Frederick Albert	1872-1942	
G.L.Church	Church, George Lyle	1903-	Church
Clairv.	Clairville, Joseph Philippe de	1742-1830	
A.R.Clapham	Clapham, Arthur Roy	1904-1990	Clapham
C.A.Clark	Clark, Carolyn A.	(fl. 1979)	
C.B.Clarke	Clarke, Charles Baron	1832-1906	Clarke
Claus	Claus, Karl Ernst	1796-1864	
R.T.Clausen	Clausen, Robert Theodore	1911-1981	Clausen
Clute	Clute, Willard Nelson	1869-1950	
Collad.	Colladon, Louis Théodore Frederic	1792-1862	
Conrad	Conrad, Solomon White	1779-1831	
Constance	Constance, Lincoln	1909-2001	
Cooperr.	Cooperrider, Tom Smith	1927-	
Correll	Correll, Donovan Stewart	1908-1983	
Cory	Cory, Victor Louis	1880-1964	
Coss.	Cosson, Ernest Saint-Charles	1819-1889	
J.M.Coult.	Coulter, John Merle	1851-1928	
Coville	Coville, Frederick Vernon	1867-1937	
Cranfill	Cranfill, Raimond	fl. 1981	



Crantz	Crantz, Heinrich Johann Nepomuk von	1722-1799	
Crép.	Crépin, Francois	1830-1903	
Crins	Crins, William J.	1955-	
Cronquist	Cronquist, Arthur John	1919-1992	Cronq.
M.A.Curtis	Curtis, Moses Ashley	1808-1872	
W.Curtis	Curtis, William	1746-1799	Curtis
Czern.	Czernajew, Vassilii Matveievitch	1796-1871	
Dahlst.	Dahlstedt, Gustav Adolf Hugo	1856-1934	
Dandy	Dandy, James Edgar	1903-1976	
Darbysh.	Darbyshire, S.J.	1953-	
Darl.	Darlington, William	1782-1863	
Daubs	Daubs, Edwin Horace	fl. 1965	
Daveau	Daveau, Jules Alexandre	1852-1929	
Davenp.	Davenport, George Edward	1833-1907	
DC.	Candolle, Augustin Pyramus de	1778-1841	
A.DC.	Candolle, Alphonse Louis Pierre Pyramus de	1806-1893	
De Vriese	De Vriese, Willem Hendrik	1806-1862	
de Wet	de Wet, Johannes Martenis Jacob	1927-	
Decne.	Decaisne, Joseph	1807-1882	Decne.
Delahoussaye	Delahoussaye, ?		
Desf.	Desfontaines, René Louiche	1750-1833	
N.H.F.Desp.	Desportes, Narcisse Henri François	1776-1856	Desp.
Desr.	Desrousseaux, Louis Auguste Joseph	1753-1838	
Desv.	Desvaux, Nicaise Auguste	1784-1856	
Dewey	Dewey, Chester	1784-1867	
Diels	Diels, Friedrich Ludwig Emil	1874-1945	
D.Dietr.	Dietrich, David Nathaniel Friedrich	1799-1888	
A.Dietr.	Dietrich, Albert Gottfried	1795-1856	
Dill.	Dillenius, Johann Jacob	1684-1747	
Dode	Dode, Louis-Albert	1875-1943	
Döll	Döll, Johann(es) Christoph (Christian)	1808-1885	Doell
G.Don	Don, George	1798-1856	
D.Don	Don, David	1799-1841	
Donn. Sm.	Donnell Smith, John	1829-1928	J.D. Smith
Douglas	Douglas, David	1798-1834	
Dowell	Dowell, Philip	1864-1936	
Druce	Druce, George Claridge	1850-1932	
Drude	Drude, Carl Georg Oscar	1852-1933	
Dryand.	Dryander, Jonas Carlsson	1748-1810	
Du Roi	Du Roi, Johann Philipp	1741-1785	
Duby	Duby, Jean Étienne	1798-1885	
Duchesne	Duchesne, Antoine Nicolas	1747-1827	
Dufr.	Dufresne, Pierre	1786-1836	
Dulac	Dulac, Joseph	1827-1897	

Dum. Cours.	Dumont de Courset, George(s) Louis Marie	1746-1824	Dumont, Dum.
Dumort.	Dumortier, Barthélemy Charles Joseph	1797-1878	Dum.
Dunal	Dunal, Michel Félix	1789-1856	
Durand	Durand, Ernest Armand	1872-1910	Dur.
T.Durand	Durand, Théophile Alexis	1855-1912	
Durazz.	Durazzini, Antonio	fl. 1772	
Durieu	Durieu de Maisonneuve, Michel Charles	1796-1878	Dur.
Dyal	Dyal, Sarah Creecie	1907-	
E. Fourn.	Fournier, Eugène Pierre Nicolas	1834-1884	Fourn.
E. Sheld.	Sheldon, Edmund Perry	1869-1947	Sheldon
Eames	Eames, Edwin Hubert	1865-1948	Eames
A.J.Eames	Eames, Arthur Johnson	1881-1969	Eames
H.H.Eaton	Eaton, Hezekiah Hulbert	1809-1832	
D.C.Eaton	Eaton, Daniel Cady	1834-1895	
Eaton	Eaton, Amos	1776-1842	Eat.
A.A.Eaton	Eaton, Alvah Augustus	1865-1908	
Eddy	Eddy, Caspar Wistar	1790-1828	
Eggl.	Eggleston, Willard Webster	1863-1935	
Ehrend.	Ehrendorfer, Friedrich	1927-	
Ehrh.	Ehrhart, Jakob Friedrich	1742-1795	
Elliott	Elliott, Stephen	1771-1830	Ell.
Endl.	Endlicher, Stephan Friedrich Ladislaus	1804-1849	
Engelm.	Engelmann, Georg (George)	1809-1884	
Engl.	Engler, Heinrich Gustav Adolf	1844-1930	
Epling	Epling, Carl Clawson	1894-1968	
Erdman	Erdman, Kimball Stewart	1937-	
Farw.	Farwell, Oliver Atkins	1867-1944	
Fassett	Fassett, Norman Carter	1900-1954	
Fee	Fee, Antoine Laurent Apollinaire	1789-1874	
Fenzl	Fenzl, Eduard	1808-1879	
Fernald	Fernald, Merritt Lyndon	1873-1950	Fern.
Fieber	Fieber, Franz Xaver	1807-1872	
Fiori	Fiori, Adriano	1865-1950	
Fisch.	Fischer, Friedrich Ernst Ludwig von (Fedor Bogdanovic)	1782-1854	
Flüggé	Flüggé, Johannes	1775-1816	Flueggé
Focke	Focke, Wilhelm Olbers	1834-1922	
Forssk.	Forsskål, Pehr (Peter)	1732-1763	Forsk.
T.F.Forst.	Forster, Thomas Furley	1761-1825	Forster, Forst.
Fosberg	Fosberg, Francis Raymond	1908-1993	
Foug.	Fougeroux de Bondaroy, Auguste Denis	1732-1789	
Fr.	Fries, Elias Magnus	1794-1878	Fries
Franch.	Franchet, Adrien René	1834-1900	
Freckmann	Freckmann, Robert W.	1939-	

Fritsch	Fritsch, Karl	1864-1934	
Froel.	Froelich, Joseph Aloys von	1766-1841	
H.P.Fuchs	Fuchs, Hans Peter	1928-1999	
Gaertn.	Gaertner, Joseph	1732-1791	
P.Gaertn.	Gaertner, Philipp Gottfried	1754-1825	Gaertn.
Gale	Gale, Shirley	1915-	
Gandhi	Gandhi, Kancheepuram N.	1948-	
Garcke	Garcke, Christian August Friedrich	1819-1904	
C.A.Gardner	Gardner, Charles Austin	1896-1970	Gard.
Gatt.	Gattinger, Augustin	1825-1903	
Gaudich.	Gaudichaud-Beaupré, Charles	1789-1854	Gaud.
Gaudin	Gaudin, Jean Francois Aimée Gottlieb Philippe	1766-1833	Gaud.
J.Gay	Gay, Jacques Étienne	1786-1864	Gay
J.L.Gentry	Gentry, Johnnie Lee	1939-	
J.Gerard	Gerard (Gerarde), John	1545-1612	Gerarde
Geyer	Geyer, Carl (Charles) Andreas	1809-1853	
Gilib.	Gilibert, Jean-Emmanuel	1741-1814	
Gillies	Gillies, John	1792-1834	
Gillis	Gillis, William Thomas	1933-1979	
Gilly	Gilly, Charles Louis	1911-1970	
Gleason	Gleason, Henry Allan	1882-1975	
Gloxin	Gloxin, Benjamin Peter	1765-1794	Glox.
S.G.Gmel.	Gmelin, Samuel Gottlieb	1743/45- 1774	
J.G.Gmel.	Gmelin, Johann Georg	1709-1755	
C.C.Gmel.	Gmelin, Carl (Karl) Christian	1762-1837	Gmel.
J.F.Gmel.	Gmelin, Johann Friedrich	1748-1804	
R.K.Godfrey	Godfrey, Robert Kenneth	1911-2000	Godfrey
Godr.	Godron, Dominique Alexandre	1807-1880	
Goldie	Goldie, John	1793-1886	
M.Gómez	Gómez de la Maza y Jiménez, Manuel	1867-1916	G. Maza
Gooden.	Goodenough, Samuel	1743-1827	
Gould	Gould, Frank Walton	1913-1981	
Graebn.	Graebner, Karl Otto Robert Peter Paul	1871-1933	
Graham	Graham, Robert C.	1786-1845	
Grande	Grande, Loreto	1878-1965	
Gray	Gray, Samuel Frederick	1766-1828	S.F. Gray
A.Gray	Gray, Asa	1810-1888	Gray; G. (in T. & G. -- see Torr.)
Greene	Greene, Edward Lee	1843-1915	
Greenm.	Greenman, Jesse More	1867-1951	
Greenway	Greenway, Percy James ("Peter")	1897-1980	
Gren.	Grenier, Jean Charles Marie	1808-1875	

Greuter	Greuter, Werner Rodolfo	1938-	
Grimm	Grimm, Johann Friedrich Carl	1737-1821	
Griscom	Griscom, Ludlow	1890-1959	Grisc.
Griseb.	Grisebach, August Heinrich Rudolf	1814-1879	
Guss.	Gussone, Giovanni	1787-1866	
Hack.	Hackel, Eduard	1850-1926	
G.E.Haglund	Haglund, Gustaf Emanuel	1900-1955	Hagl.
Ham.	Hamilton, William	1783-1856	Hamilton
A.Ham.	Hamilton, Arthur	fl. 1832	
Hand.-Mazz.	Handel-Mazzetti, Heinrich R.E.	1882-1940	Hand.-Maz.
H.Hara	Hara, Hiroshi	1911-1986	
Hara	Hara, Kanesuke	1885-1962	
Harb.	Harbison, Thomas Grant	1862-1936	
Hardin	Hardin, James Walker	1929-	
R.M.Harper	Harper, Roland McMillan	1878-1966	Harper
Hartm.	Hartman, Carl Johan(n)	1790-1849	
Harvill	Harvill, Alton McCaleb, Jr.	1916-	
Hassk.	Hasskarl, Justus Carl	1811-1894	
Haufler	Haufler, Christopher H.	1950-	
Hauke	Hauke, Richard L.	1930-	
Hauskn.	Hausknecht, Heinrich Carl	1838-1903	
Haw.	Haworth, Adrian Hardy	1768-1833	
Hayek	Hayek, August von	1871-1928	
Hayne	Hayne, Friedrich Gottlob	1763-1832	
R.R.Haynes	Haynes, Robert Ralph	1945-	
Hedrick	Hedrick, Ulysses Prentiss	1870-1951	Hedr.
Hegelm.	Hegelmaier, Christoph Friedrich	1833-1906	
Heldr.	Heldreich, Theodor Heinrich Hermann von	1822-1902	
A.Heller	Heller, Amos Arthur	1867-1944	Heller
Hellq.	Hellquist, C. Barre	1940-	
Henrard	Henrard, Johannes (Jan.) Theodoor	1881-1974	
L.Henry	Henry, Louis	1853-1903	
Hepper	Hepper, Frank Nigel	1929-	
F.J.Herm.	Hermann, Frederick Joseph	1906-1987	
R.A.W.Herrm.	Herrmann, Rudolf Albert Wolfgang	1885-?	
Heynh.	Heynhold, Gustav	1800-1860	
Heywood	Heywood, Vernon Hilton	1927-	
Hickey	Hickey, Ralph James	1950-	
Hill	Hill, John	1716-1775	
A.W.Hill	Hill, Arthur William	1875-1941	
Hitchc.	Hitchcock, Albert Spear	1865-1935	
E.Hitchc.	Hitchcock, Edward	1793-1864	
Hochst.	Hochstetter, Christian Ferdinand Friedrich	1787-1860	
Hoffm.	Hoffmann, George Franz	1761-1826	

Hoffmanns.	Hoffmannsegg, Johann Centurius von	1766-1849	Hoffmegg., Hoffm.
Hogg	Hogg, Thomas	1777-1855	
Hollick	Hollick, Charles Arthur	1857-1933	Holl.
Holub	Holub, Josef Ludwig	1930-1999	
Hook.	Hooker, William Jackson	1785-1865	
Hook. f.	Hooker, Joseph Dalton	1817-1911	
M.Hopkins	Hopkins, Milton	1906-	
Hornem.	Hornemann, Jens Wilken	1770-1841	
Host	Host, Nicolaus Thomas	1761-1834	
House	House, Homer Doliver	1878-1949	
Houtt.	Houttuyn, Maarten (Martin)	1720-1798	
Howe	Howe, Eliot Calvin	1828-1899	
Howell	Howell, Thomas Jefferson	1842-1912	
C.E.Hubb.	Hubbard, Charles Edward	1900-1980	
F.T.Hubb.	Hubbard, Frederic Tracy	1875-1962	
Huds.	Hudson, William	1730-1793	
Hultén	Hultén, Oskar Eric Gunnar	1894-1981	
Humb.	Humboldt, Friedrich Wilhelm Heinrich Alexander von	1769-1859	H. (in H&B. -- see Bonpl.)
Husn.	Husnot, Pierre Tranquille	1840-1929	
H.S.Irwin	Irwin, Howard Samuel	1928-	Irwin
Ives	Ives, Joseph Christmas	1828-1868	
B.D.Jacks.	Jackson, Benjamin Daydon	1846-1927	
R.C.Jacks.	Jackson, Raymond Carl	1928-	
Jacq.	Jacquín, Nicolaus (Nicolaas) Joseph von	1727-1817	
Jacques	Jacques, Henri Antoine	1782-1866	
Janch.	Janchen, Erwin Emil Alfred	1882-1970	
Jefferies	Jefferies, R.L.	fl. 1987	
Jeps.	Jepson, Willis Linn	1867-1946	Jepson
Jess.	Jessen, Karl Friedrich Wilhelm	1821-1889	Jessen
I.M.Johnst.	Johnston, Ivan Murray	1898-1960	Johnst.
M.C.Johnston	Johnston, Marshall Conring	1930-	
S.D.Jones	Jones, Stanley D.	fl. 1992	
A.G.Jones	Jones, Almut Gitter	1923-	
M.E.Jones	Jones, Marcus Eugene	1852-1934	
Jord.	Jordan, Claude Thomas Alexis	1814-1897	Jordan
A.Juss.	Jussieu, Adrien Henri Laurent de	1797-1853	
Juss.	Jussieu, Antoine Laurent de	1748-1836	
Kalm	Kalm, Pehr	1716-1779	
H.Karst.	Karsten, Gustav Karl Wilhelm Hermann	1817-1908	
Kartesz	Kartesz, John T.	fl. 1990	
M.Kato	Kato, Masahiro	1946-	
Kearney	Kearney, Thomas Henry	1874-1956	

Keener	Keener, Carl Samuel	1931-	
R.Keller	Keller, Robert	1854-1939	
Ker Gawl.	Ker Gawler, John Bellenden	1764-1842	Ker
Kerguélen	Kerguélen, Michel François-Jacques	1928-	
R.M.King	King, Robert Merrill	1930-	
Kit.	Kitaibel, Pál (Paul)	1757-1817	K. (in W. & K. -- see Waldst.)
Klotzsch	Klotzsch, Johann Friedrich	1805-1860	
W.D.J.Koch	Koch, Wilhelm Daniel Joseph	1771-1849	
K.Koch	Koch, Karl (Carl) Heinrich Emil (Ludwig)	1809-1879	
G.Koch	Koch, Georg Friedrich	1809-1874	
Koch	Koch, Johann Friedrich Wilhelm	1759-1831	
Koehne	Koehne, Bernhard Adalbert Emil	1848-1918	
Koeler	Koeler, Georg Ludwig	1765-1807	Koel.
Koidz.	Koidzumi, Gen'ichi (Geniti, Gen-Iti)	1883-1953	
Kom.	Komarov, Vladimir Leontjevich (Leontevich)	1869-1945	Komarov
Kotschy	Kotschy, Carl (Karl) Georg Theodor	1813-1866	
Krajina	Krajina, Vladimir Joseph	1905-	
Kral	Kral, Robert	1926-	
Krause	Krause, Johann Wilhelm	1764-1842	
Krock.	Krocker, Anton Johann	1744-1823	
Kudô	Kudô, Yûshun	1887-1932	
Kuhlman.	Kuhlmann, Joao Geraldo	1882-1958	
Kuhn	Kuhn, Friedrich Adalbert Maximilian ("Max")	1842-1894	
Kük.	Kükenthal, Georg	1864-1955	Kükenth.
Kunth	Kunth, Karl (Carl) Sigismund	1788-1850	K. (in H.B.K. -- see Bonpl., Humb.)
Kuntze	Kuntze, Carl (Karl) Ernst (Eduard) Otto	1843-1907	
Kunze	Kunze, Gustav	1793-1851	
Kurz	Kurz, Wilhelm Sulpiz	1834-1878	
L'Hér.	L'Héritier de Brutelle, Charles Louis	1746-1800	
L.	Linnaeus, Carl von (Carl von Linné)	1707-1778	
L. f.	Linnaeus, Carl von (Carl Linné)	1741-1783	
Lag.	Lagasca y Segura, Mariano	1776-1839	
Lakela	Lakela, Olga Korhoven	1890-1980	
Lam.	Lamarck, Jean Baptiste Antonine Pierre de Monnet de	1744-1829	
Lamb.	Lambert, Aylmer Bourke	1761-1842	
Landolt	Landolt, Elias	1926-	
Lange	Lange, Johan Martin Christian	1818-1898	
Latourr.	Latourrette, Marc Antoine Louis Claret de (Fleurieu de)	1729-1793	Lat.
G.Lawson	Lawson, George	1827-1895	

Laxm.	Laxmann, Erich (Erik) G.	1737-1796	
Leavenw.	Leavenworth, Melines Conklin	1796-1862	
Leconte	Leconte, John (Eatton)	1784-1860	Le Conte
Ledeb.	Ledebour, Carl (Karl) Friedrich von	1785-1851	
Legg.	Leggett, William Henry	1816-1882	
Lehm.	Lehmann, Johann Georg Christian	1792-1860	
Lej.	Lejeune, Alexandre Louis (Alexander Ludwig) Simon	1779-1858	
Lellinger	Lellinger, David Bruce	1937-	
Lelong	Lelong, Michel G.	1932-	
Lemoine	Lemoine, (Pierre Louis) Victor	1823-1911	
Les	Les, Donald H.	1954-	
Less.	Lessing, Christian Friedrich	1809-1862	
T.Lestib.	Lestiboudois, Thémistocle Gaspard	1797-1876	Lestib. f.
H.Lév.	Léveillé, Augustin Abel Hector	1863-1918	Lévl.
Leys.	Leysser, Friedrich Wilhelm von	1731-1851	
Lindl.	Lindley, John	1799-1865	
Lindm.	Lindman, Carl Axel Magnus	1856-1928	
Link	Link, Johann Heinrich Friedrich	1767-1851	
F.E.Lloyd	Lloyd, Francis Ernst	1868-1947	Lloyd
Lodd.	Loddiges, Conrad (L.)	1738-1826	
Loefl.	Loefling, Pehr	1729-1756	
Loisel.	Loiseleur-Deslongchamps, Jean Louis August(e)	1774-1849	
Lott	Lott, Henry J.	fl. 1938	
Loudon	Loudon, John Claudius	1783-1843	Loud.
Lour.	Loureiro, Joao de	1717-1791	
A.Löve	Löve, Askill	1916-1994	
D.Löve	Löve, Doris Benta Maria	1918-2000	
Luer	Luer, Carlyle A.	1922-	
Lunell	Lunell, Joël	1851-1920	
Lye	Lye, Kaare Arnstein	1940-	
Lyons	Lyons, Israel	1739-1775	
M.T. Strong	Strong, Mark Tuthill	1954-	
Ma	Ma, Yu Chuan	1916-	
J.F.Macbr.	Macbride, James Francis	1892-1976	Macbr.
Mack.	Mackenzie, Kenneth Kent	1877-1934	
MacMill.	MacMillan, Conway	1867-1929	MacM.
Magnus	Magnus, Paul Wilhelm	1844-1914	
Makino	Makino, Tomitarô	1862-1957	
Marcks	Marcks, Brian	fl. 1974	
Marshall	Marshall, Humphrey	1722-1801	Marsh.
Mart.	Martius, Carl (Karl) Friedrich Philipp von	1794-1868	
M.Martens	Martens, Martin	1797-1863	Martens
Math.	Mathias, Mildred Esther	1906-1995	

Mathieu	Mathieu, Charles Marie Joseph	1791-1873	
Matsum.	Matsumura, Jinzô	1856-1928	
Mattfl.	Mattfeld, Johannes	1895-1951	
Maxim.	Maximowicz, Carl Johann (Ivanovic)	1827-1891	
Maxon	Maxon, William Ralph	1877-1948	
E.M.McClint.	McClintock, Elizabeth May	1912-	
McCoy	McCoy, Frederick	1817-1899	
T.N.McCoy	McCoy, Thomas Nevil	1905-	McCoy
McGregor	McGregor, Ronald Leighton	1919-	
Medik.	Medikus, Friedrich Kasimir	1736-1808	Medic.
Meerb.	Meerburgh, Nicolaas	1734-1814	
Meisn.	Meisner (Meissner), Carl Daniel Friedrich	1800-1874	Meisn., Meissn.
N.C.Melvin	Melvin, Norman C. III	fl. 1975	
Mérat.	Mérat de Vaumartoise, François Victor	1780-1851	
Merr.	Merrill, Elmer Drew	1876-1956	
Mert.	Mertens, Franz Karl (Carl)	1764-1831	
Mett.	Mettenius, Georg Heinrich	1823-1866	
B.Mey.	Meyer, Bernhard	1767-1836	Mey.
C.A.Mey.	Meyer, Carl Anton (Andreevic)	1795-1855	
G.Mey.	Meyer, Georg Friedrich Wilhelm	1782-1856	G.F.W. Mey.
E.Mey.	Meyer, Ernst Heinrich Friedrich	1791-1858	
Meyen	Meyen, Franz Julius Ferdinand	1804-1840	Mey.
Micheli	Micheli, Marc	1844-1902	
Michx.	Michaux, André	1746-1803	
F.Michx.	Michaux, François André	1770-1855	Michx. f.
Milde	Milde, Carl August Julius	1824-1871	
Mill.	Miller, Philip	1691-1771	P. Mill.
G.S.Mill.	Miller, Gerrit Smith	1869-1956	
Millais	Millais, John Guille	1865-1931	
Millsp.	Millspaugh, Charles Frederick	1854-1923	
Miq.	Miquel, Friedrich Anton Wilhelm	1811-1871	
Moench	Moench, Conrad	1744-1805	
Mohlenbr.	Mohlenbrock, Robert H.	1931-	Mohlenbrock
C.Mohr	Mohr, Charles Theodore (Karl Theodor)	1824-1901	
Moldenke	Moldenke, Harold Norman	1909-	
Molina	Molina, Giovanni Ignazio (Juan Ignacio)	1737-1829	
Monnard	Monnard, Jean Pierre	1791-?	Monn.
T.Moore	Moore, Thomas	1821-1887	
Moq.	Moquin-Tandon, Christian Horace Bénédict Alfred	1804-1863	
R.C.Moran	Moran, Robbin C.	fl. 1986	
Moretti	Moretti, Giuseppi L.	1782-1853	
Morong	Morong, Thomas	1827-1894	



F.J.A.Morris	Morris, F. John A.	1869-?	
C.V.Morton	Morton, Conrad Vernon	1905-1972	
F.Muell.	Mueller (Müller), Fernand Jacob Heinrich	1825-1896	
Muhl.	Muhlenberg, Gotthilf Heinrich Ernest	1753-1815	
P.J.Müll.	Müller (Mueller), Philipp Jakob	1832-1889	P.J. Mueller
O.F.Müll.	Müller, Otto Friedrich (Friderich, Fridrich, Frederick)	1730-1784	
Münchh.	Münchhausen, Otto von	1716-1774	
Munz	Munz, Philip Alexander	1892-1974	
Murray	Murray, Johan Andreas	1740-1791	Murr.
Naczi	Naczi, Robert Francis Cox	1963-	
Nakai	Nakai, Takenoshin (Takenosin)	1882-1952	
Nash	Nash, George Valentine	1864-1921	
Naudin	Naudin, Charles Victor	1815-1899	Naud.
Nees	Nees von Esenbach, Christian Gottfried Daniel	1776-1858	
J.B.Nelson	Nelson, John B.	1951-	J. Nelson
G.L.Nesom	Nesom, Guy L.	1945-	
Nevski	Nevski, Sergei Arsenjevic	1908-1938	
Newman	Newman, Edward	1801-1876	
T.Q.Nguyen	Nguyen, To Quyen	fl. 1965	
Nichols	Nichols, George Elwood	1882-1939	
Nieuwl.	Nieuwland, Julius (Aloysius Arthur)	1878-1936	
Norton	Norton, John Bitting Smith	1872-1966	
Nutt.	Nuttall, Thomas	1786-1859	
Oakes	Oakes, William	1799-1848	
Oeder	Oeder, George Christian Edler von Oldenburg	1728-1791	
Ohwi	Ohwi, Jisaburo	1905-1977	
Olney	Olney, Stephen Thayer	1812-1878	
Opiz	Opiz, Philipp (Filip) Maxmilian	1787-1858	
Ortega	Ortega, Casimiro Gómez	1740-1818	
Otth	Otth, Carl (Karl) Adolph	1803-1839	
Otto	Otto, Christoph Friedrich	1783-1856	
Paine	Paine, John Alsop	1840-1912	
Pall.	Pallas, Peter (Pyotr) Simon von	1741-1811	
Palla	Palla, Eduard	1864-1922	
W.Palmer	Palmer, William	1856-1921	
Panz.	Panzer, Georg Wolfgang Franz	1755-1829	
C.R.Parks	Parks, Clifford R.	fl. 1963	Parks
Parl.	Parlatore, Filippo	1816-1877	
Parodi	Parodi, Lorenzo Raimundo	1895-1966	
Parry	Parry, Charles Christopher	1823-1890	
Pav.	Pavón (y Jiménez), José Antonio	1754-1844	P. (in R. & P. - - see Ruiz)
Pax	Pax, Ferdinand Albin	1858-1942	

Paxton	Paxton, Joseph	1803-1865	
G.Pearson	Pearson, Gilbert		Pearson
Peck	Peck, Charles Horton	1833-1917	
Pennell	Pennell, Francis Whittier	1886-1952	
L.M.Perry	Perry, Lily May	1895-1992	Perry
Pers.	Persoon, Christian Hendrik	1761-1836	
Peter	Peter, (Gustav) Albert	1853-1937	
Peterm,	Petermann, Wilhelm Ludwig	1806-1855	
Petr.	Petrak, Franz	1886-1973	
Peyr.	Peyritsch, Johann Joseph	1835-1889	
Phil.	Philippi, Rudolph Amandus (Rudolpho Amando)	1808-1904	
Philcox	Philcox, David	1926-	
L.R.Phillippe	Phillippe, Loy R.	fl. 1989	
Pilg.	Pilger, Robert Knud Friedrich	1876-1953	
Piper	Piper, Charles Vancouver	1867-1926	
Planch.	Planchon, Jules Émile	1823-1888	
Podp.	Podpera, Josef	1878-1954	
Poggenb.	Poggenburg, Justus Ferdinand	1840-1893	P. (in BSP or B.S.P. -- see Britton, Sterns)
Poir.	Poiret, Jean Louis Marie	1755-1834	
Polatschek	Polatschek, Adolf	1932-	
Pollard	Pollard, Charles Louis	1872-1945	
Pollich	Pollich, Johann Adam	1740-1780	
Porter	Porter, Thomas Conrad	1822-1901	
Pourr.	Pourret, Pierre André	1754-1818	
Prantl	Prantl, Karl Anton Eugen	1849-1893	
C.Presl	Presl, Carl (Karl, Carel, Carolus) Borivoj (Boriwog, Boriwag)	1794-1852	
J.Presl	Presl, Jan Svatopluk (Swatopluk)	1791-1849	
K.M.Pryer	Pryer, Kathleen M.	fl. 1989	
Pursh	Pursh, Frederick Traugott	1774-1820	
R. Br.	Brown, Robert	1773-1858	
Raddi	Raddi, Guiseppe	1770-1829	
Raeusch.	Raeuschel, Ernst Adolf	fl. 1772-1797	
Raf.	Rafinesque, Constantine Samuel	1783-1840	
Rafn	Rafn, Carl Gottlob	1769-1808	
Raim.	Raimann, Rudolph	1863-1896	
Raunk.	Raunkiaer, Christen Christiansen	1860-1938	
Rauschert	Rauschert, Stephan	1931-1986	
P.H.Raven	Raven, Peter Hamilton	1936-	Raven
J.D.Ray	Ray, James Davis, Jr.	1918-	
Raymond	Raymond, Louis-Florent-Marcel	1915-1972	

Rchb.	Reichenbach, (Heinrich Gottlieb) Ludwig	1793-1879	Reichenb.
C.F.Reed	Reed, Clyde Franklin	1918-1999	Reed
Regel	Regel, Eduard August von	1815-1892	
Rehder	Rehder, Alfred	1863-1949	Rehd.
Reichard	Reichard, Johann Jacob (Jakob)	1743-1782	
Rendle	Rendle, Alfred Barton	1865-1938	
Req.	Requien, Esprit	1788-1851	
Rettig	Rettig, J.H.		
Retz.	Retzius, Anders Johan	1742-1821	
Reut.	Reuter, George François	1805-1872	
Reveal	Reveal, James Lauritz	1941-	
Rich.	Richard, Louis Claude Marie	1754-1821	
Richardson	Richardson, John	1787-1865	Richards.
Riddell	Riddell, John Leonard	1807-1865	
C.Rivière	Rivière, Charles Marie	1845-?	
Rivière	Rivière, Marie Auguste	1821-1877	
B.L.Rob.	Robinson, Benjamin Lincoln	1864-1935	Robins.
H.Rob.	Robinson, Harold Ernest	1932-	
C.B.Rob.	Robinson, Charles Budd	1871-1913	
J.W.Robbins	Robbins, James Watson	1801-1879	Robbins
N.Robson	Robson, Norman Keith Bonner	1928-	Robson
H.Rock	Rock, Howard Francis Leonard	1925-1964	
Rodr.	Rodríguez, José Demetrio	1780-1846	
M.Roem.	Roemer, Max Joseph	1791-1849	Roem.
Roem.	Roemer, Johann Jakob	1763-1819	R. (in R. & S. -- Schult.)
Rollins	Rollins, Reed Clark	1911-1998	
Rose	Rose, Joseph Nelson	1862-1928	
Rostk.	Rostkovius, Friedrich Wilhelm Gottlieb Theophil	1770-1848	
Roth	Roth, Albrecht Wilhelm	1757-1834	
Rothm.	Rothmaler, Werner Hugo Paul	1908-1962	
Rottb.	Rottboll (Rottboell), Christen Friis	1727-1797	
Rouleau	Rouleau, (Joseph Albert) Ernest	1916-1991	
Roxb.	Roxburgh, William	1751-1815	
Royle	Royle, John Forbes	1798-1858	
Rudge	Rudge, Edward	1763-1846	
Ruiz	Ruiz López, Hipólito	1754-1815	R. (in R. & P. -- see Pavón)
Rupr.	Ruprecht, Franz Josef (Ivanovich)	1814-1870	
Rusby	Rusby, Henry Hurd	1855-1940	
Rydb.	Rydberg, Per Axel	1860-1931	
Salisb.	Salisbury, Richard Anthony	1761-1829	
E.A.Sánchez	Sánchez, Evangelina A.	1934-	
Sarg.	Sargent, Charles Sprague	1841-1927	

Sartwell	Sartwell, Henry Parker	1792-1867	
J.D.Sauer	Sauer, Jonathan Deininger	1918-	Sauer
Savi	Savi, Gaetano	1769-1844	
Savigny	Savigny, Marie Jules César Lélorgne de	1777-1851	
Sch. Bip.	Schultz, Carl (Karl) Heinrich 'Bipontinus'	1805-1867	Schultz-Bip.
Schauer	Schauer, Johannes Conrad	1813-1848	
Scheele	Scheele, George Heinrich Adolf	1808-1864	
Scherb.	Scherbius, Johannes	1769-1813	
Schindl.	Schindler, Anton Karl	1879-1964	
Schinz	Schinz, Hans	1858-1941	
Schkuhr	Schkuhr, Christian	1741-1811	
Schleid.	Schleiden, Matthias Jacob	1804-1881	
Schltldl.	Schlechtendal, Diederich Franz Leonhard von	1794-1866	Schlecht.
W.L.E.Schmidt	Schmidt, Wilhelm Ludwig Ewald	1804-1843	Schmidt
F.Schmidt	Schmidt, Friedrich (Karl)(Fedor Bogdanovich)	1862-1908	
C.K.Schneid.	Schneider, Camillo Karl	1876-1951	Schneid.
Schoepf	Schoepf, Johann David	1752-1800	
Schönl.	Schönlein, Johann Lucas	1793-1864	
Schott	Schott, Heinrich Wilhelm	1794-1865	
Schrad.	Schrader, Heinrich Adolph	1767-1836	
Schrank	Schrank, Franz von Paula von	1747-1810	
Schreb.	Schreber, Johann Christian Daniel von	1739-1810	
B.G.Schub.	Schubert, Bernice Giduz	1913-2000	Schub.
Schult.	Schultes, Josef (Joseph) August	1773-1831	S. (in R. & S. - - see Roem.)
Schult.f.	Schultes, Julius Hermann	1804-1840	
F.W.Schultz	Schultz, Friedrich Wilhelm	1804-1876	
O.E.Schulz	Schulz, Otto Eugen	1874-1936	
Schumach.	Schumacher, Heinrich Christian Friedrich	1757-1830	Schumacher
Schur	Schur, Philipp Johann Ferdinand	1799-1878	
Schwein.	Schweinitz, Lewis (Ludwig) David von	1780-1834	
Schweinf.	Schweinfurth, Georg August	1836-1925	
Scop.	Scopoli, Joannes Antonius (Giovanni Antonio)	1723-1788	
R.R.Scott	Scott, Robert Robinson	1827-1877	
Scribn.	Scribner, Frank Lamson-	1851-1938	
Seem.	Seemann, Berthold Carl	1825-1871	
Selander	Selander, Nils Sten Edvard	1891-1957	
Semple	Semple, John Cameron	1947-	
Sendtn.	Sendtner, Otto	1813-1859	
Ser.	Seringe, Nicolas Charles	1776-1858	
Shafer	Shafer, John Adolph	1863-1918	
Shaver	Shaver, Jesse Milton	1888-1961	
Shear	Shear, Cornelius Lott	1865-1956	
Shinners	Shinners, Lloyd Herbert	1918-1971	

Short	Short, Charles Wilkins	1794-1863	
Shuttlew.	Shuttleworth, Robert James	1810-1874	
Sibth.	Sibthorp, John	1758-1796	
Siebold	Siebold, Philipp Franz (Balthasar) von	1804-1885	Sieb.
Sim	Sim, Thomas Robertson	1856-1938	
Simon-Louis	Simon-Louis, Léon L.	1834-1913	
Sims	Sims, John	1749-1831	
Skeels	Skeels, Homer Collar	1873-1934	
Sleumer	Sleumer, Hermann Otto	1906-1993	
Sm.	Smith, James Edward	1759-1828	
J.G.Sm.	Smith, Jared Gage	1866-1925	
Small	Small, John Kunkel	1869-1938	
Smyth	Smyth, Bernard Bryan	1843-1913	
L.C.R.Smyth	Smyth, L.C.R.	fl. 1913	
N.Snow	Snow, N.	fl. 1998	
Sobol.	Sobolewsky, Gregor Fedorovitch (Grigoriy Fedorowich)	1741-1807	
Soják	Soják, Jiri	1936-	
Sol.	Solander, Daniel Carl	1733-1782	
Sole	Sole, William	1741-1802	
Spach	Spach, Édouard	1801-1879	
Sprague	Sprague, Thomas Archibald	1877-1958	
Spreng.	Sprengel, Curt (Kurt, Curtius) Polycarp Joachim	1766-1833	
Spring	Spring, Antoine Frédéric	1814-1872	
H.St. John	St. John, Harold	1892-1991	
J.St.-Hil.	Saint-Hilaire, Jean Henri Jaume	1772-1845	St. Hil.
Standl.	Standley, Paul Carpenter	1884-1963	
Stapf	Stapf, Otto	1857-1933	
Stearn	Stearn, William Thomas	1911-2001	
Stebbins	Stebbins, George Ledyard	1906-2000	
E.S.Steele	Steele, Edward Strieby	1850-1942	Steele
Steenis	Steenis, Cornelis Gijsbert Gerrit Jan van	1901-1986	van Steenis
Stein	Stein, Berthold	1847-1899	
Sterns	Sterns, Emerson Ellick	1846-1926	S. (in BSP or B.S.P. -- see Britton, Poggenburg)
Stead.	Steedel, Ernst Gottlieb von	1783-1856	
Steward	Steward, Albert Newton	1897-1959	
Stocks	Stocks, John Ellerton	1822-1854	
Stokes	Stokes, Jonathan S.	1755-1831	
W.Stone	Stone, Witmer	1866-1939	
Stritch	Stritch, L.R.	fl. 1982	
Stuntz	Stuntz, Stephen Conrad	1875-1918	

Sturm	Sturm, Jacob (Jakob) W.	1771-1848	
Sudw.	Sudworth, George Bishop	1864-1927	
Suksd.	Suksdorf, Wilhelm Nikolaus	1850-1932	
Sull.	Sullivant, William Starling	1803-1873	Sulliv.
Suter	Suter, Johann Rudolf	1766-1827	
D.A.Sutton	Sutton, David A.	1952-	
Svenson	Svenson, Henry Knute (Knut)	1897-1986	Svens.
Sw.	Swartz, Olof (Peter)	1760-1818	
Sweet	Sweet, Robert	1783-1835	
Swezey	Swezey, Goodwin Deloss	1851-1934	
Swingle	Swingle, Walter Tennyson	1871-1952	
Syme	Syme, John Thomas Irvine Boswell	1822-1888	
Symons	Symons, Jelinger	1778-1851	
Tausch	Tausch, Ignaz Friedrich	1793-1848	
Roy L.Taylor	Taylor, Roy L.	1932-	
Ten.	Tenore, Michele	1780-1861	
Thell.	Thellung, Albert	1881-1928	
Thieret	Thieret, John William	1926-	
C.H.Thomps.	Thompson, Charles Henry	1870-1931	
Thouars	Thouars, Louis Marie Aubert du Petit	1758-1831	
Thuill.	Thuillier, Jean Louis	1757-1822	
Thunb.	Thunberg, Carl Peter	1743-1828	
Tidestr.	Tidestrom, Ivar (Frederick)	1864-1956	
Tod.	Todaro, Agostino	1818-1892	
Torr.	Torrey, John	1796-1873	T. (in T. & G. -- see A. Gray)
R.Tracey	Tracey, R.	1951-	
Tratt.	Trattinnick, Leopold	1764-1849	
Traub	Traub, Hamilton Paul	1890-1983	
Trautv.	Trautvetter, Ernst Rudolf von	1809-1889	
Trel.	Trelease, William	1857-1945	
Trevis.	Trevisan de Saint-Léon, Vittore Benedetto Antonio	1818-1897	
Trin.	Trinius, Carl Bernhard von	1778-1844	
Tuck.	Tuckerman, Edward	1817-1886	
G.C.Tucker	Tucker, Gordon C.	1957-	G. Tucker
Turcz.	Turczaninow, Porphir Kiril Nicolai Stephanowitsch	1796-1863	
Tzvelev	Tzvelev, Nikolai Nikolaievich	1925-	
U. Scholz	Scholz, U.	fl. 1981	
Underw.	Underwood, Lucien Marcus	1853-1907	
Urban	Urban, Ignatz	1848-1931	
Vahl	Vahl, Martin (Henrichsen)	1749-1804	
Vail	Vail, Anna Murray	1863-1955	

Van Houtte	Van Houtte, Louis Benoit	1810-1876	
Vaniot	Vaniot, Eugene	-1913	
Vasey	Vasey, George	1822-1893	
Vell.	Vellozo, José Mariano da Conceição	1742-1811	Vell. Conc.
Vent.	Ventenat, Étienne Pierre	1757-1808	
Verdc.	Verdcourt, Bernard	1925-	
Vict.	Victorin, Joseph Louis Conrad Marie	-	Victorin
Vignolo	Vignolo-Lutati, Ferdinando	1878-1965	
Vill.	Villars, Dominique	1745-1814	
Vilm.	Vilmorin, (Pierre) Louis (François Lévêque) de	1816-1860	
Vitman	Vitman, Fulgenzio	1728-1806	
Viv.	Viviani, Domenico	1772-1840	
Volkart	Volkart, Albert	1873-1951	Volk.
W.H.Wagner	Wagner, Warren Herbert	1920-2000	Wagner
Wahlenb.	Wahlenberg, Georg (Göran)	1780-1851	
Waldst.	Waldstein, Franz de Paula Adam von	1759-1823	W. (in W. & K. -- see Kit.)
Wall.	Wallich, Nathaniel	1786-1854	Wallich
Wallr.	Wallroth, Carl (Karl) Friedrich Wilhelm	1792-1857	
Walp.	Walpers, Wilhelm Gerhard	1816-1853	
Walter	Walter, Thomas	1740-1789	Walt.
Wangenh.	Wangenheim, Friedrich Adam Julius von	1749-1800	
Ward	Ward, Lester Frank	1841-1913	
Warder	Warder, John Aston	1812-1883	
S.Watson	Watson, Sereno	1826-1892	
Watt	Watt, David Allan Poe	1830-1917	
Weath.	Weatherby, Charles Alfred	1875-1949	
Webb	Webb, Philip Barker	1793-1854	
J.M.Webber	Webber, John Milton	1897-?	Webber
Weber	Weber, George Heinrich	1752-1828	
G.L.Webster	Webster, Grady Linder	1927-	
Wedd.	Weddell, Hugh Algernon	1819-1877	
Wedem.	Wedemeyer	fl. pre1803	
Weigel	Weigel, Christian Ehrenfried (von)	1748-1831	
Weihe	Weihe, Carl Ernst August	1779-1834	
Wender.	Wenderoth, Georg Wilhelm Franz	1774-1861	
J.C.Wendl.	Wendland, Johann Christoph	1755-1828	Wendl.
Wettst.	Wettstein, Richard	1863-1931	
L.C.Wheeler	Wheeler, Louis Cutter	1910-1980	Wheeler
Wherry	Wherry, Edgar Theodore	1885-1982	
Wibel	Wibel, August Wilhelm Eberhard Christoph	1775-1814	
Widder	Widder, Felix Joseph	1892-1974	
Wiegand	Wiegand, Karl McKay	1873-1942	Wieg.
Wiersema	Wiersema, John H.	1950-	

F.H.Wigg.	Wiggers, Friedrich Heinrich (Friedrich Hindrich)	1746-1811	Wiggers
Wight	Wight, Robert	1796-1872	
W.Wight	Wight, William Franklin	1874-1954	
Willd.	Willdenow, Carl Ludwig von	1765-1812	
Windham	Windham, Michael D.	1954-	
Wipff	Wipff, J.K.	1962-	
With.	Withering, William	1741-1799	
W.Wolf	Wolf, Wolfgang	1875-1950	
S.L.Wolff	Wolff, S.L.	fl. 1987	Wolff
Wood	Wood, William	1745-1808	
A.W.Wood	Wood, Alphonso W.	1810-1881	
Woodson	Woodson, Robert Everard	1904-1963	Woods.
Woodv.	Woodville, William	1752-1805	
Woyn.	Woynar, Heinrich Karl	1865-1917	
H.O.Yates	Yates, Harris Oliver	1934-	
Yunck.	Yuncker, Truman George	1891-1964	
Zabel	Zabel, Hermann	1832-1912	
Ziz	Ziz, Johann Baptist	1779-1829	
Zizka	Zizka, G.	fl. 1987	
Zucc.	Zuccarini, Joseph Gerhard	1790-1848	



**Primary Sources (PS), Principal References (PR),  
and Other Literature Cited in Parts I and II**

The “Primary Sources” are the key publications on the flora of the Washington-Baltimore Area from which species have been compiled and evaluated for this *Checklist*. The “Principal References” are the manuals and other floristic reference works for the region that were consulted regularly during preparation.

Adams, R. P. 1993. *Juniperus* Linnaeus. Pp. 412-420 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.

Allard, H. A. 1945. *Fraxinus nigra* in the District of Columbia area and in Virginia. *Castanea* 10: 82-87.

\_\_\_\_\_ and E. C. Leonard. 1943. The vegetation and floristics of Bull Run Mountain, Virginia. *Castanea* 8: 1-64.

Andrews, E. G. and M. D. Windham. 1993. *Pleopeltis* Humboldt & Bonpland ex Willdenow. Pp. 324-327 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.

Ashe, W. W. 1919. Notes on trees and shrubs in the vicinity of Washington. *Bull. Torr. Bot. Club* 46:221-226.

Benedict, J. E., Jr. 1924. An occurrence of southern maiden-hair in Maryland. *Amer. Fern J.* 14: 21-24.

Boufford, D. E. 1997. Urticaceae Jussieu. Pp. 400-413 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.

Brereton, J. A. 1830. *Florae Columbianae Prodromus...* Washington, D.C. 86 p. [Apparently also appeared in 1831 under the title “A *Prodromus* of the *Flora Columbianae*, exhibiting a list of all the plants which have as yet been collected.”]

Britton, N. L. and H. A. Brown. 1913. An Illustrated Flora of the Northern United States, Canada and British Possessions. Ed. 2. Charles Scribner's Sons, New York. 3 Vols.

Brooks, R. E. and S. E. Clemants. 2000. *Juncus* Linnaeus. Pp. 211-255 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 22. Oxford Univ. Press, New York and Oxford.

- Brown, R. G. and M. L. Brown. 1972. Woody Plants of Maryland. Student Supply Store, Univ. Maryland, College Park. 347 p. [PS] [Cited as "B&B 1972"]
- Brown, M. L. and R. G. Brown. 1984. Herbaceous Plants of Maryland. Book Center, Univ. Maryland, College Park. 1127 p. [PS] [Cited as "B&B 1984"]
- Brummitt, R. K. and C. E. Powell (eds.). 1992. Authors of Plant Names. Royal Botanic Gardens, Kew. 732 p. [PR]
- Dutton, B. E., C. S. Keener and B. A. Ford. 1997. *Anemone* Linnaeus. Pp. 139-158 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Fernald, M. L. 1932. The linear-leaved North American species of *Potamogeton* section Axillares. Mem. Gray Herb. 3: 1-183. (Reprinted from Mem. Amer. Acad. Arts 27: 1-183. 1932.)
- Fernald, M. L. 1950. Gray's Manual of Botany. Ed. 8. American Book Co., New York. 1632 p. (Reprinted in 1987, Dioscorides Press, Portland, OR, with corrections by R. C. Rollins) [PR]
- Fessenden, G. R. 1945. Recent range extensions of *Botrychium matricariaefolium*. Amer. Fern J. 35: 105-108.
- Fleming, C., M. B. Lobstein and B. Tufty. 1995. Finding Wildflowers in the Washington-Baltimore Area. Johns Hopkins Univ. Press, Baltimore. 312 p.
- Fleming, G. P. and J. C. Ludwig. 1996. Noteworthy collections: Virginia. Castanea 61: 89-95.
- Fleming, P. and R. Kanal. 1992. Newly documented species of vascular plants in the District of Columbia. Castanea 57: 132-146.
- \_\_\_\_\_. 1995. Annotated checklist of vascular plants of Rock Creek Park, National Park Service, Washington, D.C. Castanea 60: 283-316.
- Flora of North America Editorial Committee (eds.). 1993. Flora of North America North of Mexico. Vol. 2. Pteridophytes and Gymnosperms. Oxford Univ. Press, New York and Oxford. [PR]
- \_\_\_\_\_. 1997. Flora of North America North of Mexico. Vol. 3. Magnoliophyta: Magnoliidae and Hamamelidae. Oxford Univ. Press, New York and Oxford. [PR]

- \_\_\_\_\_. 2000. Flora of North America North of Mexico. Vol. 22. Magnoliophyta: Alismatidae, Arecidae, Commelinidae (in part), and Zingiberidae. Oxford Univ. Press, New York and Oxford. [PR]
- Frye, C. T. and C. Lea. 2001[2002]. Atlas and annotated list of *Carex* (Cyperaceae) of Maryland and the District of Columbia. The Maryland Naturalist.44: 41-108. [PS] [Cited as Frye & Lea 2002]
- Gilman, E. M. 1957. Grasses of the Tidewater-Piedmont Region of northern Virginia and Maryland. Castanea 22: 1-105. [PS]
- Gleason, H. A. 1952. The New Britton and Brown Illustrated Flora of the Northeastern United States and Adjacent Canada. New York Botanical Garden, NY. 3 vols. [PR]
- \_\_\_\_\_ and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Adjacent Canada. Ed. 2. New York Botanical Garden, NY. 910 p. [PR]
- Harvill, A. M., Jr., T. R. Bradley, C. E. Stevens, T. F. Wieboldt, D. M. E. Ware, D. W. Ogle, G. W. Ramsey and G. P. Fleming. 1992. Atlas of the Virginia Flora. III. Virginia Botanical Associates, Burkeville. 144 p. [PS] [Cited as "Atlas"]
- Haufler, C. H., R. C. Moran and M. D. Windham. 1993. *Cystopteris Bernhardtii*. Pp. 263-270 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- \_\_\_\_\_, C. H., M. D. Windham, F. A. Lang and S. S. Whitmore. 1993. *Polypodium Linnaeus*. Pp. 315-323 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Hauke, R. L. 1993. Equisetaceae Michaux ex DeCandolle. Pp. 76-84 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Haynes, R. R. and C. B. Hellquist. 2000. Potamogetonaceae Dumortier. Pp. 47-74 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 22. Oxford Univ. Press, New York and Oxford.
- Hermann, F. J. 1941. A Checklist of Plants in the Washington-Baltimore Area. Conference on District Flora, Smithsonian Institution, Washington, DC. Duplicated. 114 p. [PS] [Cited as "FJH 1941"]

- \_\_\_\_\_. 1946. A Checklist of Plants in the Washington-Baltimore Area. Ed. 2. Conference on District Flora, Smithsonian Institution, Washington, DC. Duplicated. 134 p. [PS] [Cited as "FJH 1946"]
- Hill, S. R. 1988. New plant records for Maryland with an additional note on *Nymphaea tetragona* (Nymphaeaceae) pollination. *Castanea* 53: 165-166.
- Hitchcock, A. S. and P. C. Standley. 1919. Flora of the District of Columbia and vicinity. *Contr. U. S. Natl. Herb.* 21: 1-329. [PS] [Cited as "H&S"]
- Holm, T. 1892. Third list of additions to the flora of Washington, D.C. *Proc. Biol. Soc. Wash.* 7: 105-132. [Supplement 3 to Ward's *Guide*]
- \_\_\_\_\_. 1896. Fourth list of additions to the flora of Washington, D.C. *Proc. Biol. Soc. Wash.* 10: 29-43. [Supplement 4 to Ward's *Guide*]
- \_\_\_\_\_. 1901. Fifth list of additions to the flora of Washington, D.C. *Proc. Biol. Soc. Wash.* 14: 7-22. [Supplement 5 to Ward's *Guide*]
- Hotchkiss, N. 1951. Range extensions of marsh and aquatic plants. 2. *Rhodora* 53: 91-93.
- Jacobs, C. A. and J. H. Peck. 1993. *Pteridium* Gleditsch ex Scopoli. Pp. 201-204 in FNA Editorial Committee (eds.). *Flora of North America North of Mexico*. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Johnson, D. M. 1993. *Matteuccia* Todaro. Pp. 249-250 in FNA Editorial Committee (eds.). *Flora of North America North of Mexico*. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Kartesz, J. T. 1994. A Synonymized Checklist of the Vascular Flora of the United States, Canada, and Adjacent Greenland. Ed. 2. Timber Press, Portland, Oregon. 2 vols. [PR]
- \_\_\_\_\_. 1999. A Synonymized Checklist and Atlas with Biological Attributes for the Vascular Flora of the United States, Canada, and Greenland. First edition. *In*: Kartesz, J. T. and C. A. Meacham. *Synthesis of the North American Flora*. Version 1.0. North Carolina Botanical Garden, Chapel Hill. (CD-ROM) [PR]
- Kato, M. 1993. *Athyrium* Roth. Pp. 255-258 in FNA Editorial Committee (eds.). *Flora of North America North of Mexico*. Vol. 2. Oxford Univ. Press, New York and Oxford.

- Kral, R. 1993. *Pinus* Linnaeus. Pp. 373-398 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Lellinger, D. B. 1985. A Field Manual of the Ferns and Fern-Allies of the United States & Canada. Photographs by A. Murray Evans. Smithsonian Institution Press, Washington, DC. 389 p. [PR]
- McAtee, W. L. 1930. Seventh supplement to the flora of the District of Columbia and vicinity. Proc. Biol. Soc. Wash. 43: 21-54. [Supplement 7 since Ward's *Guide*]
- \_\_\_\_\_. 1940. Eighth supplement to the flora of the District of Columbia and vicinity. Proc. Biol. Soc. Wash. 53: 135-154. [Supplement 8 since Ward's *Guide*]
- Montgomery, J. D. and W. H. Wagner, Jr. 1993. *Dryopteris* Adanson. Pp. 280-288 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Morong, T. and J. G. Smith. 1894. Alismaceae in List of Pteridophyta and Spermatophyta growing without cultivation in northeastern North America. Prepared by a committee of the Botanical Club, AAAS. Mem. Torrey Bot. Club 5 (sig. 3): 24-26.
- Muenschler, W. C. 1944. Aquatic Plants of the United States. Comstock Publishing Co., Ithaca, NY. 374 p.
- Nauman, C. E. 1993. Lygodiaceae C. Presl. Pp. 114-116 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Nixon, K. C. 1997. Fagaceae Dumortier. Pp. 436-444 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.
- \_\_\_\_\_ and C. H. Muller. 1997. *Quercus* Linnaeus sect. *Quercus*. Pp. 471-506 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Norton, J. B. S. 1930. *Maryland Grasses*. Univ. Maryland Agric. Exp. Sta. Bull. 323. [PS]
- \_\_\_\_\_. 1942. The Polygonaceae of the Washington-Baltimore area. Conference on District Flora (E.H. Walker, Chairman), Washington, DC. 11 p. Duplicated.

- Park, M. M. and D. Festerling, Jr. 1997. *Thalictrum* Linnaeus. Pp. 258-271 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Pennell, F. W. 1935. The Scrophulariaceae of eastern temperate North America. Acad. Nat. Sci. Philadelphia Monogr. 1: 1-650.
- Peterson, P. M., E. E. Terrell, E. C. Uebel, C. A. Davis, H. Scholz and R. J. Soreng. 1999. Scientific note: *Oplismenus hirtellus* subspecies *undulatifolius*, a new record for North America. Castanea 64: 201-202.
- Pringle, J. S. 1997. *Clematis* Linnaeus subg. *Viticella* (Moench) Keener & W. M. Dennis. Pp. 164-167 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Radford, A. E., H. E. Ahles and C. R. Bell. 1968. Manual of the Vascular Flora of the Carolinas. Univ. North Carolina Press, Chapel Hill. 1183 p. [PR]
- Redman, D. E. 1991 [1992]. An annotated list of the ferns and fern allies of Maryland and the District of Columbia. The Maryland Naturalist 35: 15-24. [PS]
- \_\_\_\_\_. 1999. An annotated checklist of the vascular flora of Oregon Ridge Park, Baltimore County, Maryland. The Maryland Naturalist 43: 1-31.
- Reed, C. F. 1943. County distribution of the ferns and fern allies in Maryland, Delaware and District of Columbia. Bull. Nat. Hist. Soc. Maryland 13: 47-54.
- \_\_\_\_\_. 1945. A crested form of the broad beech-fern. Amer. Fern J. 35: 104-105.
- \_\_\_\_\_. 1953. The Ferns and Fern Allies of Maryland and Delaware, Including District of Columbia. Reed Herbarium, Baltimore. 286 p. [PS]
- \_\_\_\_\_. 1964a. A flora of the chrome and manganese ore piles at Canton, in the Port of Baltimore, Maryland and at Newport News, Virginia, with descriptions of genera and species new to the flora of eastern United States. Phytologia 10: 324-406.
- \_\_\_\_\_. 1964b. Orchidaceae in Maryland, Delaware and the District of Columbia. Castanea 29: 77-109. [PS]
- Reveal, J. L. and C. R. Broome. 1981. Minor nomenclatural and distributional notes on Maryland vascular plants with comments on the State's proposed endangered and threatened species. Castanea 46: 50-82.

- Rhoades, A. F. and T. A. Block. 2000. The Plants of Pennsylvania. Illustrations by Anna Aniško. Univ. Pennsylvania Press, Philadelphia. 1061 p.[PR]
- \_\_\_\_\_. and W. M. Klein, Jr. 1993. The Vascular Flora of Pennsylvania: Annotated Checklist and Atlas. Illustrations by Janet E. Klein. American Philosophical Society, Philadelphia. 636 p. [PR]
- Riefner, R. E., Jr. and S. R. Hill. 1983. Notes on infrequent and threatened plants of Maryland including new state records. *Castanea* 48: 117-137.
- Shetler, S. G. 1982. Variation and Evolution of the Nearctic Harebells (*Campanula* subsect. *Heterophylla*). J. Cramer, Vaduz. 516 p. (Phanerog. Monogr. 11)
- Shreve, F., M. A. Chrysler, F. H. Blodgett and F. W. Besley. 1910. The Plant Life of Maryland. Johns Hopkins Press, Baltimore. 533 p. (Special Publication, vol. 3, Maryland Weather Service)
- Simmons, M., D. M. E. Ware and W. J. Hayden. 1995. The vascular flora of the Potomac River watershed of King George County, Virginia. *Castanea* 60: 179-209.
- Small, E. 1997. Cannabaceae Endlicher. Pp. 381-387 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Smith, A. R. 1993a. Thelypteridaceae Ching ex Pichi-Sermolli. Pp. 206-222 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- \_\_\_\_\_. 1993b. Dryopteridaceae Herter. Pp. 246-308 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Soreng, R. J., G. Davidse, P. M. Peterson, F. O. Zuloaga, E. J. Judziewicz and T. S. Figueras. 2000-. Catalogue of New World Grasses (Poaceae). <<http://mobot.mobot.org/WST/Search/nwgc.html>> [PR]
- Steele, E. S. 1901. Sixth list of additions to the flora of Washington, D.C., and vicinity. With descriptions of new species and varieties by Edward L. Greene, Alvah A. Eaton, and the author. *Proc. Biol. Soc. Wash.* 14: 47-86. [Supplement 6 to Ward's *Guide*]
- Steury, B. W. 2000. Noteworthy collections: Maryland, District of Columbia. *Castanea* 65: 228-231.

- Steward, K. K., T. K. Van, V. Carter and A. H. Pieterse. 1984. *Hydrilla* invades Washington, D.C. and the Potomac. *Amer. J. Bot.* 7(1): 162-163.
- Stone, D.E. 1997. Juglandaceae A. Richard ex Kunth. Pp. 416-425 in FNA Editorial Committee (eds.). *Flora of North America North of Mexico*. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Strausbaugh, P. D. and E. L. Core. [1978]. *Flora of West Virginia*. Ed. 2. Seneca Books, Grantsville, WV. 1079 p. [PR]
- Terrell, E. E., J. L. Reveal, R. W. Spjut, R. F. Whitcomb, J. H. Kirkbride, Jr., M. T. Cimini and M. Strong. 2000. Annotated List of the Flora of the Beltsville Agricultural Research Center, Beltsville, Maryland. U. S. Department of Agriculture, Agricultural Research Service (ARS) 155. 89 p.
- Wagner, W. H., Jr. 1971. Evolution of *Dryopteris* in relation to the Appalachians. Pp. 147-192 in P. C. Holt (ed.). *The Distributional History of the Biota of the Southern Appalachians*. Part II: Flora. Virginia Polytechn. Inst. State Univ. Res. Div. Monogr. 2.
- \_\_\_\_\_, R. C. Moran and C. R. Werth. 1993. Aspleniaceae Newman. Pp. 228-245 in FNA Editorial Committee (eds.). *Flora of North America North of Mexico*. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Ward, L. F. 1881. Guide to the flora of Washington and vicinity. *Bull. U.S. Natl. Mus.* 22: 1-264. [PS]
- \_\_\_\_\_. [1884]. List of plants added to the flora of Washington from April 1, 1882, to April 1, 1884. *Proc. Biol. Soc. Wash.* 2: 84-87. 1882-1884. [Supplement 1 to Ward's *Guide*]
- Warnock, M. J. 1997. *Consolida* (de Candolle) Gray. Pp. 240-242 in FNA Editorial Committee (eds.) *Flora of North America North of Mexico*. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Wherry, E. T. 1937. *Guide to Eastern Ferns*. Illustrated by O. Stoner and C. Feldman. Science Press, Lancaster, PA. 220 p.
- Whetstone, R. D. and T. A. Atkinson. 1993. Osmundaceae Berchtold & J. Presl. Pp. 107-109 in FNA Editorial Committee (eds.). *Flora of North America North of Mexico*. Vol. 2. Oxford Univ. Press, New York and Oxford.



- Whittemore, A. 1997. *Ranunculus* Linnaeus. Pp. 88-135 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Wiersema, J. H. and C. B. Hellquist. 1997. Nymphaeaceae Salisbury. Pp. 66-77 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 3. Oxford Univ. Press, New York and Oxford.
- Wilson, E. H. and A. Rehder. 1921. A monograph of *Azalea*. Publ. Arnold Arbor. No. 9. 219 p.
- Windham, M. D. 1993a. Pteridaceae Reichenbach. Pp. 122-124 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- \_\_\_\_\_. 1993b. *Pellaea* Link. Pp. 175-186 in FNA Editorial Committee (eds.). Flora of North America North of Mexico. Vol. 2. Oxford Univ. Press, New York and Oxford.
- Wolff, S. L. and R. L. Jefferies. 1987. Taxonomic status of diploid *Salicornia europaea* (s.l.) (Chenopodiaceae) in northeastern North America. Canad. J. Bot. 65: 1420-1426.



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