

Winter 1985

# The Bulletin

Vol. 4, No. 1

A publication of the Virginia Wildflower Preservation Society

## PRESIDENT'S REPORT

For some of you fellows, it has not been a quiet winter.

State and chapter representatives are planning many rewarding programs and events for 1985. In addition to planning our '85 Wildflower Weekend, the Education Committee has distinguished itself through its development of two new programs: The Speaker's Referral Service and the VWPS Publications and Gift List. Chairman Doris Berger recognizes that the success of these projects will, in great part, depend upon the participation of our chapters.

The up-coming '85 Winter Workshop (discussed in this issue) will provide statewide officers and chairmen a useful vehicle, during an informal day, for determining how best to promote some of our combined resources---speakers, educational materials, and fundraising items.

Other volunteers are thoughtfully plotting a solid, steady course for the Society's future. Our Administrative Handbook Review Committee and its Associated Committees are redrafting the Handbook. Their motto: The better it's built, the longer it will last.

### Handbook Review Committee

Linda McMahan, Chairman

Mary Pockman, Barbara Stinson

### Associate Committees

#### • Financial, Accounting and Funding •

Nancy Arrington, Chairman

Barbara Ellis, David Quante

#### • Chapter-Society Relationships/Committee Functions •

Doris Berger, Chairman

Jim Greeves, Joni Melville

#### • Botany/Ethics •

Larry Morse, Chairman

Marion Blois, Linda McMahan

The above persons have been meeting to identify and comment on the Handbook's policies which will require the attention of the VWPS Board of Directors. Their first report will be presented to the Executive Committee on February 7.

## Chapter Development

Sarah Richardson, Richmond Chapter co-ordinator, has scheduled her area's Charter Election Meeting for February 28.

On February 11, I'll be meeting with Doug Coleman, a botanist on staff at the Wintergreen, Virginia, resort, to discuss the prospects of forming a Society chapter in that lovely mountain region.

## SMALL WHORLED POGONIA TO BE PROTECTED

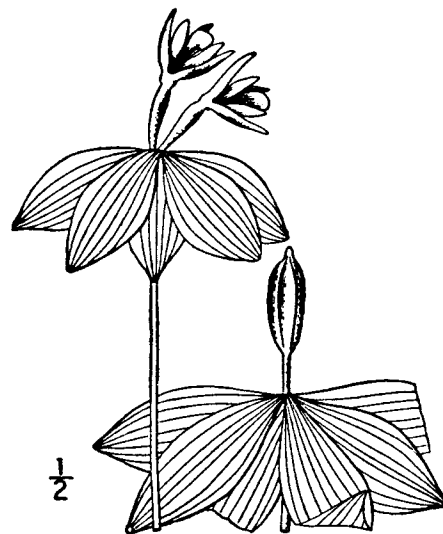
On December 19, 1984, the Board of the Department of Agriculture and Consumer Services voted unanimously to list the small whorled pogonia (*Isotria medeoloides*) as endangered under the Virginia Endangered Plant and Insect Species Act. The Board's action followed a public hearing at which the Society was represented by President Mary Painter and Conservation chairperson Faith T. Campbell.

The listing must now be confirmed by passage of a Joint Resolution by the General Assembly. The Society asks its members to contact their state legislators to urge support for the proposal.

The provision of the Endangered Plant and Insect Species Act that requires a joint resolution to finalize listing has been declared to be unconstitutional by the Commonwealth Attorney General's office. Therefore, the General Assembly will also be asked to amend the law to correct this problem. The Society is also seeking to strengthen some other provisions. Again, the members' support is requested.

- Faith Campbell

(See insert for list of legislators.)



(From Britton & Brown)

## FROM OUR CHAPTERS . . .

### Piedmont Chapter

With our 12/1/84 Annual Meeting now behind us, we look forward to activities planned for the chapter's first full fiscal year.

We have scheduled a Great Meadow Work Day on March 2 at 10:00 a.m. (Rain date: March 9). In another rewarding '85 "landscape" project, Piedmont Chapter volunteers will be planting Fauquier Hospital's new second story rooftop with wildflowers.

- Deenya Greenland

### John Clayton Chapter

The John Clayton Chapter published the first issue of its newsletter in November. It included an informative article entitled "Wildflowers and Soil pH" by chapter Propagation chairman Joe Brown. Joe is the owner of Mid-Atlantic Wildflowers and is very knowledgeable in the cultivation of wildflowers. He also will present a program on native plant propagation at the March 21st chapter meeting.

The winter issue of the chapter newsletter will be published in February. The chapter now offers to all other VWPS members subscriptions to its quarterly newsletter at the rate of \$3.00 per fiscal year (November 1 through October 31). Make your check payable to John Clayton Chapter of the VWPS and send it to P. O. Box 864, Gloucester, VA 23061.

Because of bad weather, the January 17 chapter meeting was postponed until February 21. It will include a slide program on Dragon Run, presented by Brent Heath, owner of The Daffodil Mart. The Dragon is a 34-mile stream which flows through Gloucester, Middlesex, King & Queen, and Essex Counties. The surrounding swamp is filled with cypress trees and many other forms of wildlife, both plants and animals. In addition to hybridizing daffodils, Brent occasionally organizes guided canoe trips on Dragon Run. Our chapter members hope to participate in one of these trips this year. Plans for other chapter outings are being made and will be published when finalized.

Preparations have begun for the March 2nd VWPS State Board of Directors meeting which is being hosted by our chapter. Board members will be notified of the details by mail. Other members interested in attending should contact Barbara Hall for information at (804) 693-4433, evenings.

- Barbara Hall

### Blue Ridge Chapter

This year the Blue Ridge Chapter will co-sponsor the 16th Annual Spring Wildflower Pilgrimage sponsored by the Roanoke Valley Science Museum on April 26-28, 1985. We are pleased to have this opportunity and will supply speakers, assist with the walks and have an exhibit. We cordially invite other VWPS chapters to join us to enjoy appalachian springtime with its exhilarating display of wildflowers. The walks and talks on the program are both enjoyable and informative. They will deepen your appreciation of the natural beauty of this part of the Appalachians. A complete schedule will be available within the next few weeks.

- Paul James

## FROM THE VWPS . . .

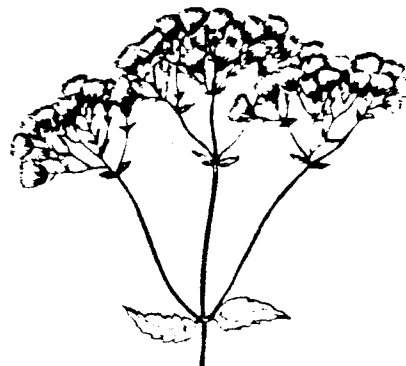
### Recent Contributions to the VWPS Library

Three significant publications were donated in December by the Michigan Department of Transportation:

- 1) The Michigan DOT 1984 Roadside Mowing Guide
- 2) Guidelines for Removing Hazardous Trees from Highway Rights-of-Way: A Management Manual
- 3) Final Report - Midwest Roadside Vegetation Management Workshop, Sept. 13, 14 & 15, 1983

These valuable manuals include comprehensive studies in the establishment and maintenance of native grasses and forbs within our states' highway rights-of-way. We extend particular thanks to Kim D. Herman, a Michigan DOT botanist, for obtaining them.

The VWPS is also grateful to Sharp Bros. Seed Co. of Healy, Kansas, for their donation of a book entitled Pasture and Range Plants. Received in November, this publication represents the compilation of a series of six educational booklets designed and published (1955-1963) by Phillips Petroleum Company. Its colorful, accurate illustrations accompany descriptive texts on the many grass, legume, forb and woody plants featured within.



### ISOTRIA IN PRINCE WILLIAM COUNTY

A small stand of the endangered Isotria medeoloides has been sighted in Prince William Forest Park in Prince William County. The plants were found by Gene Cooley, a park service employee, in the summer of 1983. They were identified last June by Steve Croy of the VPI Herbarium in Blacksburg.

The plants were discovered near a much larger stand of the large whorled pogonia, Isotria verticillata. The surrounding area is typical Isotria habitat: old-growth mixed hardwood forest with only a few scattered shrubs and no ground cover. The population is the smallest in Virginia, with only 9 plants. Five of these flowered last year.



These winter months often bring a lull in our activities; however, wild plant lovers can find much of interest. Field trips in winter can investigate winter forms of trees and shrubs. Evergreens - trees, vines, ferns - are especially visible as are mosses and lichens. All these plant forms make great subjects for VWPS camera experts. This is a good time to acquire some good shots for our next photo contest. Get out on a warm day and find a few early flowers such as *Stellaria*. If you don't see the elm tree bloom in February, you will miss it.

Winter months are also the time for us to plan for spring and summer activities. Members, please let your chapter Education chairs know what you want. The activities might include field trips, camera opportunities, botany lectures, propagation workshops, slide/movie presentations, and many more. Chapter Education chairs, please remember February's Winter Workshop in Prince William County. Bring your good program ideas to share. See you then.

- Doris Berger

## FROM PUBLICATIONS . . .

Please note the following schedule for 1985 VWPS publications.

Bulletin Issues	Mail Date	Deadline for Entries
Winter	early Feb.	Jan. 4
Spring	May 1	March 29
Summer	August 15	July 12
Fall	Oct. 24	Sept. 20

In addition, there will be the following special mailings:

March 21 - Wildflower Weekend brochures

June 15 - Announcement of Annual Meeting with slate of candidates

## 1985 WINTER WORKSHOP

The VWPS is sponsoring its "First Annual Winter Workshop" on Saturday, February 23, 1985, at the Northern Virginia Community College, Manassas Campus. (Snow date: March 2.) The Workshop has been scheduled in order to provide a day of informal roundtable discussions on topics relating to our chapters' administration and operation. Its format will encourage chapter and state representatives to share experiences and program materials, to discuss plans and concerns relating to this year's Workshop topics: 1) Education, 2) Fundraising and 3) General Running of Chapters.

Each of the topics will be treated within three separate roundtables conducted simultaneously. Chapter presidents and pertinent committee chairmen/members have been invited to participate in the Workshop as well as its program planning.

The VWPS Board of Directors will be represented by several of its members, including Elaine Haug, Workshop Chairman; Marion Blois, Facility Co-ordinator; Doris Berger, Education Chair; and Jocelyn Alexander, Fundraising Chair. Organizers may be calling our No. Virginia area members for help in providing overnight accommodations for those statewide participants traveling to the Workshop.

## CORRECTION

Our apologies to Pete Poulos, an outstanding member, whose name was missing among those outgoing VWPS Board members listed within last issue's "Rare Species" column.

The following positions are vacant and must be filled by 15 March 1985 for The Winkler Nature Park, a new project in Alexandria, Virginia, devoted to the cultivation, preservation, and enhancement of wildflowers, native trees, mosses, and other flora. All interested persons should send their resume to The Winkler Nature Park, 1900 North Beauregard Street, Alexandria, VA 22311. No phone calls, please.

### Park Manager

Manager supervises a special crew assigned to develop the Park. Must have good knowledge and related experience in masonry, tree work, park maintenance, planting techniques, trail construction, equipment operation, budget and paperwork skills, and supervision. Combinations of the above will be considered. Reliability and dedication a must. Good salary and benefits. References required. Qualified applicants only. Apply before 5 March 1985.

### Gardener

Gardener works as part of a special crew assigned to develop the Park. Gardener will be responsible for cultivating, care of, propagation, and recommending plant material for the Park. Must have good knowledge and experience with native plants and trees in the metropolitan area as well as with wildflowers, mosses, unusual plants, and native trees. Must have knowledge and practical experience working with cold frames, greenhouses, and solar greenhouses. Will be expected to teach and work with other crew members and volunteers. Reliability and dedication a must. References required. Good salary and benefits. Qualified applicants only. Apply before 5 March 1985.



## WILDFLOWER SOURCES

Featured below are further additions to the Spring '84 Bulletin's list of recommended wildflower sources. To the best of our knowledge, their sale stock is nursery-propagated.

Natural Gardens---113 Jasper Lane, Oak Ridge, TN 37830, phone (615) 482-6746. Jim and Maureen Cunningham. A wide selection of wildflowers propagated by seed in greenhouses. Current specialty is species suited to open settings in full or partial sun. Some woodland spp. available. Write for new catalogue.

Prairie Seed Source---P. O. Box 83, North Lake, WI 53064. Specialists in prairie restoration. There are numerous prairie spp. which can be successfully grown in Virginia gardens. Mr. Ahrenhoerster's excellent catalogue offers grass, forb (wildflower) and shrub seeds harvested principally from his company's own restoration areas. Customers ordering from outside the southeastern Wisconsin genotype area are generally limited to five seed packets. '85 catalogue available upon request.

Stock Seed Farms---R.R. #1, Box 112, Murdock, NE 68407, phone (402) 867-3771. A family-owned business also dedicated to the preservation and duplication of the original prairies. Pure live grass seeds and prairie wildflower seeds available by the pound. Careful advice available on your selection of varieties suited to your planting areas. Price list/brochure available.

## CCNSERVING AMERICA'S PLANTS

Below is the text of a speech given by Dr. Francis R. Thibodeau at the Annual Meeting of the VWPS at Great Meadow on September 16, 1984. Dr. Thibodeau is Director of Science at the Center for Plant Conservation, the national archive of rare and endangered American plant species. He also holds appointments at Harvard and Tufts Universities. He is author of numerous articles in both natural and social science journals, and recently completed a book on international resource policy with Hermann H. Field called Sustaining Tomorrow, published by the University Press of New England.

"Whenever I speak to a group such as The Virginia Wildflower Preservation Society I find that my most difficult work comes first. I am certain it will come as no surprise when I tell you that there are many plants in danger of extinction, that there are very good reasons why we should care about them, or when I suggest that any sensible society would be working very hard to counteract this problem. Simply repeating the message is not likely to serve a useful purpose. Still, I think it would be useful to begin by reviewing the present situation. It is easy, but dangerous, to forget just how unusual the biological events of the last forty years have been.

"First, the sheer number of extinctions today is probably unprecedented in the last 225 million years. The glaciers of the last Ice Age were trivial as an ecological force compared to recent human activity. I am not speaking of someone's projections of future extinctions, but of the situation as it exists today. Maybe, and only maybe, the number of extinctions was as high at the end of the age of dinosaurs, 65 million years ago, as it is now. At that time, the dinosaurs and tree ferns, which dominated the earth, were replaced by mammals and angiosperms over the course of several hundred thousand years.

"In only the last forty years, we have managed to tie, and probably top, this number of extinctions. We are causing the most significant biological restructuring of the planet of which we know. Instead of a suit of new species to replace the old, we offer only one, exquisitely capable critters though we are.

"All of us who have an interest in wild plants are part of the only generation of biologists and natural historians to witness an ecological event of this magnitude. It is important to appreciate how unusual these times are.

"It has become fashionable in some quarters to dull our immediate sense of concern about the loss of these species by "reminding" ourselves that extinction is primarily a tropical problem. It is certainly true that there are more species of plants and animals in the tropics, but the pressures on our own ecosystems are just as great. Somehow, by looking at the greater absolute number of extinctions in the tropics, we have managed to overlook the fact that we are doing as much damage to our own flora, as the Brazilians, for example, are doing to theirs: 10% to 20% of the tropical plants are likely to become extinct in the near future; 10% to 20% of the American plants species are likely to become extinct in the near future. We are not better stewards of our biological heritage. In fact, there are 3,000 varieties of plants in the U.S. alone that we should expect to become extinct in the wild.

"Development is the primary cause of virtually all present day extinctions. Extinction may be a natural process in biological time, but it stresses any normal use of the word "natural" to consider the damage we are doing a natural event. In the tropics they favor axes and chain saws. We favor asphalt, lawns and exotic competitors. In both cases, the results are the same: a massive loss of the biological foundation on which our societies are built.

"What I am going to suggest now is likely to strike you as being terribly simple. I suggest that we gather together some representatives of each of these plants in danger of extinction and move them out of the way of development. More particularly, I suggest that we move examples of all the endangered U. S. plants to places where we can be sure of keeping them alive from one generation to the next, where we can be sure they will be available for reintroduction to the wild, and where we can be sure that their potential for new medicines and other products will be realized. That, in just a few sentences, is the idea behind the Center for Plant Conservation.

"The Center is an independent organization whose primary members are 15 of the best botanical gardens in the country. Eventually, there will be about 20, and they will cover the complete range of plant biogeographic zones in the United States. Their holdings will represent a complete collection of the rarest American plants.

"Perhaps the most unusual thing about the Center is that it did not exist before last April. It is very difficult to determine which plant species are in cultivation, but at the absolute maximum, 10% of the 3,000 threatened or endangered U.S. plants are now in secure collections. The Center for Plant Conservation is likely to become the most extensive archive of endangered species in the world. Sad to say, becoming the most extensive collection in the world will not be hard to do. The Center is the first program of its kind.

"In practice, building and maintaining the collection is likely to be more complicated than the simplicity of the basic idea suggests. First, it is absolutely essential to develop a computerized data base that will allow us to make intelligent decisions about which plants are the highest priorities for inclusion. In some cases, we will lose species entirely unless we act soon. It is essential to know which species those are so that we can bring them in to the collection immediately. The Nature Conservancy and the U.S. Fish and Wildlife Service have both compiled excellent documentation of the American endangered plants already. We will be able to work extremely efficiently as a result of the work they have already done. Still, we will have to generate some very specific sorts of information ourselves. For example, it is important to know how to take live material from the wild in ways which do not disturb populations already at risk.

"Second, these collections will have to be managed with more care than most. I am not sure whether you will find it comforting or disheartening when I tell you that even the best horticultural institutions in the country have been known to make some of the same mistakes that leave blank spots in your own gardens. There are also some special perils to guard against. The danger of hybridization is much greater in good botanical gardens simply because there are so many plants doing well in the same place. This hybridization is all very well for producing new lilac varieties, but it will pose problems for us as we try to maintain pure genetic lines that accurately reflect the plants as they are found in the wild.

"Third, it is necessary to make these plants available to conservationists, horticulturists and biologists. I believe that any sensible society would spend the time and money the collection will require simply as a demonstration of its appreciation for its natural heritage, but there is every indication that this collection will also become a major scientific resource. We will need the capability to provide plants for re-introduction and for applied botany. Let me remind you, for example, that the value of the medicines derived from wild sources is more than \$20 billion each in the U.S. alone. A number of pharmaceutical houses have already asked us to let them examine any of the plants in this collection that are related to medicinal ones they use now. They simply have not had access to most of the rarest species before.

"I will close with a reminder. It is probably an unnecessary one, but it bears repeating:

"The Center for Plant Conservation provides a measure of insurance against extinction, and it makes the plants available for study and use. I believe the plants in its care will be one of the most important and well-used botanical collections in the country. But there is a world of difference between plants in garden pots and full plant communities in the wild. The Virginia Wildflower Preservation Society and similar groups have the far more important tasks of developing a wider appreciation of wild plants, and of ensuring that we still have the forests, fields, and marshes of which the Center's species are a very small part. Our work is in no way a substitute for yours.

"I look forward to our working together."

# SENATE OF VIRGINIA 1984 SESSION

SENATE DISTRICT	NAME	MAILING ADDRESS	TELEPHONES		
			Area Code	Business	Home
18	ANDERSON, HOWARD P. (D)	P.O. Box 847, Halifax 24558	(804)	476-6310	476-6317
1	ANDREWS, HUNTER B. (D)	16 South King Street, P.O. Box 566, Hampton 23669	(804)	722-2581	722-7073
5	BABALAS, PETER K. (D)	700 Atlantic National Bank Bldg., 415 St. Paul's Blvd., Norfolk 23510	(804)	622-3100	622-3100
19	BARKER, W. ONICO (R)	2025 N. Main St., Danville 24540	(804)	792-7211	836-3385
38	BIRD, DANIEL W., JR. (D)	525 W. Main St., P.O. Box 628, Wytheville 24382	(703)	228-2106	228-2614
40	BUCHANAN, JOHN C. (D)	P.O. Box 1006, Wise 24293	(703)	328-6278	328-6278
8	CANADA, A. JOE, JR. (R)	507 North Birdneck Rd., Virginia Beach 23451	(804)	422-8833	428-7736
28	CHICHESTER, JOHN H. (R)	P. O. Box 904, Fredericksburg 22404	(703)	373-5600	373-4131
29	COLGAN, CHARLES J. (D)	P.O. Box 1650, Manassas 22110	(703)	361-1123	368-9647
4	CROSS, ELMO G., JR. (D)	1125 Hanover Green, Mechanicsville 23111	(804)	746-4621	746-2377
32	DUVAL, CLIVE L., 2d (D)	P.O. Box 749, Arlington 22216	(703)	525-4000	356-3011
22	EMICK, DUDLEY J., JR. (D)	P.O. Box 158, Fincastle 24090	(703)	992-2114	992-3302
			(703)	473-2991	
3	FEARS, WILLIAM E. (D)	P.O. Box 210, Accomac 23301	(804)	787-1560	787-1094
36	GARTLAN, JOSEPH V., JR. (D)	1801 K St., N.W., Suite 1100, Washington, D.C. 20006	(202)	822-5358	(703) 960-3044
20	GOODE, VIRGIL H., JR. (D)	124 Orchard Ave., Rocky Mount 24151	(703)	483-9030	483-9030
16	GRAY, ELMON T. (D)	P.O. Box 85, Waverly 23890	(804)	834-2292	834-2385
7	HOLLAND, CLARENCE A. (D)	P. O. Box 5622, Virginia Beach 23455	(804)	460-0915	464-5746
31	HOLLAND, EDWARD M. (D)	2425 Wilson Blvd., Suite 345, P.O. Box 985, Arlington 22216	(703)	528-4505	524-0138
15	HOLLAND, RICHARD J. (D)	P.O. Box 285, Windsor 23487	(804)	242-6111	242-4318
17	HOUCK, R. EDWARD (D)	P. O. Box 7, Spotsylvania 22553	(703)	898-4445	786-2782
13	JOANNOU, JOHNNY S. (D)	P. O. Box 1064, Portsmouth 23705-1064	(804)	393-9393	399-8277
39	JONES, JAMES P. (D)	P.O. Box 2009, Bristol 24203	(703)	466-4800	628-3272
21	MACFARLANE, J. GRANGER (D)	P. O. Box 201, Roanoke 24002	(703)	344-5531	343-8114
37	MARYE, MADISON E. (D)	P.O. Box 37, Shawsville 24162	(703)	268-2741	268-2741
25	MICHIE, THOMAS J., JR. (D)	1900 N. Pantops Drive, Charlottesville 22901	(804)	977-3390	979-3244
26	MILLER, KEVIN G. (R)	417 Mountain View Drive, Harrisonburg 22801	(703)	433-6842	434-9758
30	MITCHELL, WILEY F., JR. (R)	511 Canterbury Lane, Alexandria 22314	(202)	887-1765	(703) 370-1408
24	NOLEN, FRANK W. (D)	P.O. Box 13, New Hope 24469	(703)	248-2481	363-5642
			(703)	249-5711	
14	PARKER, WILLIAM T. (D)	241 Cedar Rd., Chesapeake 23320	(804)	482-1600	547-3713
12	PARKERSON, WILLIAM F., JR. (D)	Paxton Square Bldg., Suite 200, 3108 Parham Road, P.O. Box 29368, Richmond 23229	(804)	747-9545	740-8923
34	RUSSELL, JOHN W. (R)	3505 Cornell Road, Fairfax 22030	(703)	273-0145	273-0145
11	RUSSELL, ROBERT E. (R)	1233 Mall Drive, Bon Air 23235	(804)	794-2592	748-3292
35	SASLAW, RICHARD L. (D)	8508 Raleigh Ave., Annandale 22003	(703)	941-1292	978-3790
23	SCHEWEL, ELLIOT S. (D)	1031 Main St., Box 1600, Lynchburg 24505	(804)	845-2326	384-2772
			(804)	528-3000	
2	SCOTT, ROBERT C. (D)	247 28th St., Suite 200, Newport News 23607	(804)	380-1000	244-7819
27	TRUBAN, WILLIAM A. (R)	P.O. Box 503, Woodstock 22664	(703)	459-2930	459-5844
33	WADDELL, CHARLES L. (D)	Route 2, Box 299-B, Sterling 22170	(703)	430-2466	430-2591
6	WALKER, STANLEY C. (D)	P. O. Box 12885, Norfolk 23502	(804)	853-9280	461-5171
9	WILDER, LAWRENCE DOUGLAS (D)	2509 E. Broad St., Richmond 23223	(804)	643-8401	329-0000
10	WILLEY, EDWARD E. (D)	P.O. Box 9138, Richmond 23227	(804)	786-7733	264-8944

# VIRGINIA HOUSE OF DELEGATES 1984 SESSION

A. L. Philpott, Speaker (804) 786-6880  
Joseph H. Holleman, Jr., Clerk (804) 786-8826

Legislative Information (804) 786-6530

(Mailing address for members during session: House of Delegates, P. O. Box 406, Richmond, Virginia 23203)

## HOUSE DISTRICT NAME

## MAILING ADDRESS

## TELEPHONES

Area  
Code Business Home

54	ACKERMAN, ROBERT W. (D)	406 Amelia Street, Fredericksburg 22401	(703) 373-5469	582-5046
15	AGEE, G. STEVEN (R)	P.O. Box 408, Salem 24153	(703) 774-1197	387-1545
58	ALLEN, GEORGE F. (R)	109 E. Jefferson Street, Charlottesville 22901	(804) 979-8131	973-3535
47	ALMAND, JAMES F. (D)	Suite 206, 2060 N. 14th St., Arlington 22201	(703) 524-9700	533-9223
59	ANDERSON, CLAUDE W. (D)	Box 7, Buckingham 23921	(804) 969-4291	983-2240
33	ANDREWS, ROBERT T. (R)	820 Turkey Run Road, McLean 22101	(703) 442-8838	356-4797
72	AXSELLE, RALPH L. (Bill), JR. (D)	5501 Staples Mill Road, Richmond 23228	(804) 262-1208	740-0536
52	BAGLEY, FLOYD C. (D)	P.O. Box 1168, Dumfries 22026-9168	(703) 221-2168	221-8932
92	BAGLEY, RICHARD M. (D)	P.O. Box 9, Hampton 23669	(804) 722-0260	723-5392
74	BALL, ROBERT B., SR. (D)	P.O. Box 28056, Richmond 23228-0056	(804) 262-1861	266-0996
30	BEARD, GEORGE P., JR. (R)	P.O. Box 444, Culpeper 22701	(703) 825-4800	825-0580
68	BENEDETTI, JOSEPH B. (R)	P.O. Box K-226, Richmond 23288	(804) 285-7896	358-3394
100	BLOXOM, ROBERT S. (R)	Mappsville 23407	(804) 824-3456	665-4203
51	BRICKLEY, DAVID G. (D)	4804 Kellogg Drive, Woodbridge 22193	(703) 680-2750	590-3569
6	BROWN, JOHN C. (R)	401 Belleair Lane, Bristol 24201	(703) 669-2136	669-7488
34	CALLAHAN, VINCENT F., JR. (R)	6220 Nelway Drive, P. O. Drawer 1173, McLean 22101	(703) 356-1925	356-6231
20	CALVERT, KENNETH E. (R)	753 Main Street, Danville 24541	(804) 793-9445	791-2448
38	CODY, GWENDALYN F. (R)	3703 King Arthur Road, Annandale 22003	(703) 560-1594	560-1594
46	COHEN, BERNARD S. (D)	221 S. Alfred Street, Alexandria 22314	(703) 836-9000	370-3735
96	COOPER, SHIRLEY F. (D)	106 Old Dominion Road, Yorktown 23690	(804) 898-6994	898-6994
87	COPELAND, HOWARD E. (D)	8592 Granby Street, Norfolk 23503	(804) 490-0506	588-6205
75	COUNCILL, J. PAUL, JR. (D)	P.O. Box 119, Franklin 23851	(804) 562-4283	562-4283
14	CRANWELL, C. RICHARD (D)	P.O. Box 459, Vinton 24179	(703) 344-1905	344-8909
78	CREEKMORE, FREDERICK H. (D)	752 Cedar Road, P.O. Drawer B, Chesapeake 23320	(804) 547-9191	482-3892
22	CROUCH, JOSEPH P. (R)	200 Timbrook Place, Lynchburg 24502	(804) 522-5450	237-2434
42	CUNNINGHAM, ROBERT K. (R)	7829 Greeley Boulevard, Springfield 22152	(703) 451-5470	451-5470
63	DeBOER, JAY W. (D)	16 E. Tabb Street, Petersburg 23803	(804) 861-4310	861-8896
94	DIAMONSTEIN, ALAN A. (D)	P.O. Box 324, Newport News 23607	(804) 245-2836	599-3800
56	DICKINSON, V. EARL (D)	Route 2, Box 10, Mineral 23117	(703) 895-5214	894-4470
66	DICKS, JOHN G. (Chip), III (D)	P.O. Box 247, Chesterfield 23832	(804) 748-8171	748-4228
41	DILLARD, JAMES H., II (R)	4709 Briar Patch Lane, Fairfax 22032	(703) 938-6401	323-7354
12	DOBYNS, J. ROBERT (D)	P.O. Box 1228, Dublin 24084	(703) 674-6953	674-5139
70	EALEY, ROLAND D. (Duke) (D)	2 E. Clay Street, Richmond 23219-1330	(804) 648-5348	643-1436
9	FINNEY, WILLARD R. (D)	105 S. Main Street, Rocky Mount 24151	(703) 483-9488	483-9679
77	FOREHAND, V. THOMAS, JR. (D)	337 Kemp Lane East, Chesapeake 23325	(804) 547-5101	545-1555
25	GIESEN, ARTHUR R. (Pete), JR. (R)	2048 Chase Avenue, Waynesboro 22980	(703) 248-2304	943-6975
76	GLASSCOCK, J. SAMUEL (D)	P.O. Box 1876, Suffolk 23434	(804) 539-3474	255-4429
37	GORDY, STEPHEN E. (R)	3708 Prado Place, Fairfax 22031	(703) 273-2573	273-2573
97	GRAYSON, GEORGE W. (D)	P.O. Box 1969, Williamsburg 23187	(804) 253-0553	253-2400
3	GREEN, WILLIAM F. (D)	P.O. Box 1478, Lebanon 24266	(703) 963-9012	889-2956
31	GUEST, RAYMOND R. (Andy), JR. (R)	27 S. Royal Avenue, Front Royal 22630	(703) 635-8822	635-5553
69	HALL, FRANKLIN P. (D)	Suite One, 700 Building, Richmond 23219	(804) 644-4588	272-8724
26	HANGER, EMMETT W., JR. (R)	P.O. Box 2, Mt. Solon 22843	(703) 885-8925	828-3949
55	HARGROVE, FRANK D. (R)	Route 4, Box 305, Glen Allen 23060	(804) 798-6053	798-6443
40	HARRIS, ROBERT E. (R)	4440 Glenn Rose Street, Fairfax 22032	(703) 553-6636	323-8312
21	HAWKINS, CHARLES R. (R)	Box 285, Chatham 24531	(804) 432-8222	432-9147
86	HEILIG, GEORGE H., JR. (D)	700 Newtown Road, Norfolk 23502	(804) 461-2500	423-8863

**HOUSE  
DISTRICT NAME**

**MAILING ADDRESS**

**TELEPHONES**

Area  
Code Business Home

7	JENNINGS, G. C. (D)	Royal Oak Bldg., P.O. Box 231, Marion 24354	(703) 783-5136	783-3277
23	JESTER, ROYSTON, III (R)	P.O. Box 1359, Lynchburg 24505	(804) 528-5858	384-2477
62	JONES, R. BEASLEY (D)	Route 1, Box 36, Dinwiddie 23841	(804) 469-3711	469-7548
43	KEATING, GLADYS B. (D)	5909 Parkridge Lane, Franconia 22310	(703) 971-3571	971-7421
8	LACY, CHARLES C. (Chuck) (D)	P.O. Box 220, Wytheville 24382	(703) 228-2144	228-5353
71	LAMBERT, BENJAMIN J., III (D)	904 N. First Street, Richmond 23219	(804) 643-3534	321-6885
80	MANNING, L. CLEAVES (D)	820 Citizens Trust Building, Portsmouth 23704	(804) 397-0793	488-1673
64	MARKS, C. HARDAWAY (D)	P.O. Box 170, Hopewell 23860	(804) 458-0100	458-2959
48	MARSHALL, MARY A. (D)	2256 N. Wakefield Street, Arlington 22207	(703) 528-1710	528-1710
95	MAXWELL, W. HENRY (D)	900 Shore Drive, Newport News 23607	(804) 380-1779	380-1774
84	McCLANAN, GLENN B. (D)	425 S. Witchduck Road, Virginia Beach 23462	(804) 497-9451	340-8835
35	McDIARMID, DOROTHY S. (D)	390 Maple Avenue, East, Vienna 22180	(703) 938-2700	938-2394
4	McGLOTHLIN, DONALD A., SR. (D)	Box 909, Grundy 24614	(703) 935-2156	935-2287
44	MEDICO, FRANK (R)	1000 Emerald Drive, Alexandria 22308	(703) 780-3798	780-3798
28	MILLER, CLINTON (R)	P.O. Box 484, Woodstock 22664	(703) 459-2159	459-4412
89	MILLER, YVONNE B. (D)	7403 Oakmont Drive, Norfolk 23513	(804) 623-8702	853-1560
53	MONCURE, THOMAS M., JR. (R)	P.O. Box 62, Stafford 22554	(703) 659-3926	371-9515
79	MOORE, WILLIAM S., JR. (D)	P.O. Box 1513, Portsmouth 23705	(804) 399-2456	484-9429
98	MORGAN, HARVEY B. (R)	P.O. Box 949, Gloucester 23061	(804) 693-4750	693-3712
93	MORRISON, THEODORE V., JR. (D)	P.O. Box 1003, Newport News 23601	(804) 596-0316	596-6723
88	MOSS, THOMAS W., JR. (D)	1505 First Virginia Bank Tower, Norfolk 23510	(804) 623-5345	623-4900
13	MUNFORD, JOAN H. (D)	205 E. Eakin Street, Blacksburg 24060	(703) 953-1100	552-2491
99	MURPHY, W. TAYLOE, JR. (D)	Box 527, Warsaw 22572	(804) 333-4051	472-3094
83	O'BRIEN, J.W. (Billy), JR. (D)	3300 Ocean Shore Ave, Virginia Beach 23451	(804) 487-8814	481-5964
82	O'BRIEN, W.R. (Buster) (R)	Suite 104, 485 S. Independence Blvd., Va. Beach 23452	(804) 499-4121	481-2408
27	OREBAUGH, PHOEBE M. (R)	139 S. Sunset Drive, Broadway 22815	(703) 896-7081	896-1440
61	PARKER, LEWIS W., JR. (D)	P.O. Box 120, South Hill 23970	(804) 447-3146	447-3797
50	PARRISH, HARRY J. (R)	8898 Bond Court, Manassas 22110-4327	(703) 368-3121	368-3539
11	PHILPOTT, A. L. (D)	P.O. Box 864, Bassett 24055	(703) 629-7032	629-5150
81	PICKETT, OWEN B. (D)	P.O. Box 2127, Virginia Beach 23452	(804) 490-6000	422-5474
36	PLUM, KENNETH R., (D)	1652 Parkcrest Circle, #101, Reston 22090	(703) 893-1090	435-1955
19	PUTNEY, LACEY E. (I)	P.O. Box 127, Bedford 24523	(703) 586-0080	586-9300
1	QUILLEN, FORD C. (D)	Box 337, Gate City 24251	(703) 386-7023	386-6003
2	ROBINSON, JAMES W. (D)	P.O. Box 187, Pound 24279	(703) 679-1191	796-4516
90	ROBINSON, WILLIAM P., JR. (D)	1612 First Virginia Bank Tower, Norfolk 23510	(804) 622-0803	588-4322
32	ROLLINS, KENNETH B. (R)	P.O. Box 803, Leesburg 22075	(703) 777-1191	777-4282
67	SAUNDERS, N. LESLIE, JR. (D)	P.O. Box 35001-C, Richmond 23235	(804) 745-3350	275-6258
60	SLAYTON, FRANKLIN M. (D)	P.O. Box 446, South Boston 24592	(804) 572-4983	572-2245
29	SMITH, ALSON H., JR. (D)	P. O. Box 422, Winchester 22601	(703) 662-7200	662-7374
5	STAFFORD, C. JEFFERSON (R)	Pearisburg 24134	(703) 921-3411	921-3592
49	STAMBAUGH, WARREN G. (D)	Suite 323, 2425 Wilson Blvd., Arlington 22201	(703) 276-8015	527-0824
91	STIEFFEN, S. WALLACE (D)	P.O. Box 4038, Hampton 23664	(804) 851-8981	851-8910
73	STOSCH, WALTER A. (R)	Suite 1700, 700 E. Main Street, Richmond 23219	(804) 649-0351	270-4001
85	TATA, ROBERT (R)	4536 Gleneagle Drive, Virginia Beach 23462	(804) 853-4577	499-2490
10	TERRY, MARY SUE (D)	P.O. Drawer 369, Stuart 24171	(703) 694-3443	694-4262
17	THOMAS, A. VICTOR (D)	1301 Orange Avenue, N.E., Roanoke 24012	(703) 345-4120	342-4308
45	VAN LANDINGHAM, MARIAN (D)	201 S. Washington Street, Alexandria 22314	(703) 549-2511	548-4318
57	VAN YAHRES, MITCHELL (D)	418 Second Street, N.E., Charlottesville 22901	(804) 293-3134	293-6483
65	WATKINS, JOHN (R)	15001 Midlothian Turnpike, Midlothian 23113	(804) 794-5016	794-6930
39	WATTS, VIVIAN E. (D)	8717 Mary Lee Lane, Annandale 22003	(703) 978-2989	978-2989
24	WILKINS, S. VANCE, JR. (R)	Route 1, Amherst 24521	(804) 946-5584	946-2528
18	WILSON, WILLIAM T. (D)	228 N. Maple Avenue, Covington 24426	(703) 962-4986	747-2041
16	WOODRUM, CLIFTON A. (Chip) (D)	P.O. Box 1371, Roanoke 24007	(703) 345-0426	343-8784

(Members elected to serve a two-year term, beginning January 11, 1984 and ending January 8, 1986)

Legislative Information, The Clerk's Office, House of Delegates, P. O. Box 406, Richmond, Virginia 23203. (804) 786-6530

## CALENDAR

### February

- 2 VWPS Executive Committee Meeting. 7:00 p.m. at the home of Linda McMahan, Arlington, VA.
- 19 "Plant Collecting in Siberia", a Potowmack Chapter slide presentation by VWPS member Dr. Stanwyn Shetler of the Smithsonian Institution. 2:00 p.m., Dolley Madison Library, 1244 Oak Ridge Ave., McLean, VA. Free.
- 23 VWPS 1985 Annual Winter Workshop at Northern Virginia Community College, Manassas Campus. See details in this issue.
- 28 Charter Election Meeting for the VWPS Richmond area chapter. 7:30 p.m., Pine Camp Recreation Center, 4901 Old Brook Rd. (at the corner of Azalea Ave.), Richmond, VA. Memberships accepted at this meeting. (Only VWPS members may vote on the proposed slate of chapter officers.) For further info, contact Sarah Richardson, P. O. Box 14578, Richmond, VA 23221, phone (804) 358-7504.
- 28 "Roots of Life", a symposium sponsored by the Garden Clubs of America and World Wildlife Fund. 10:00 a.m. to 4:00 p.m.. Speakers will include, among others, Dr. Peter Raven, Dr. Norman Myers, Dr. Linda McMahan. Focus on the dangers facing our world's flora and how we might save it. National Geographic Society's auditorium, 1600 "M" Street, Washington, D.C. \$40 per person, including lunch at the nearby Mayflower Hotel. Reservations/fees required in advance, no later than 2/20/85. For more info, contact Miss Heather Bentz, WWF, US; 1601 Connecticut Ave., NW, Washington, D.C. 20009, phone (202) 387-0800.

### March

- 2 Quarterly Meeting of the VWPS Board of Directors. To be held in our John Clayton Chapter's Gloucester, VA vicinity.
- 2 Piedmont Chapter's Work Day at Great Meadow. 10:00 a.m. (Rain date: March 9). For more info, call (703) 347-4010 in Warrenton.
- 14 "Species Iris", a slide program presented at 2:00 p.m. by Clarence Mahan of the American and the Chesapeake and Potomac Iris Societies. His home garden in McLean includes 40 species of Iris. At Patrick Henry Library, 101 Maple Ave., Vienna, VA, phone (703) 938-0405.
- 15-20 50th North American Wildlife and Natural Resources Conference, focusing on natural resources management. A full series of sessions, workshops, special events at the Shoreham Hotel, Washington, D.C. Full brochure and information on registration, accommodations and special air fare rates available by writing Wildlife Management Institute, 1101 14th St., NW, Suite 725, Washington, D.C. 20005. Advance registration deadline: March 1. Fee is \$30.00; students \$15.00; spouses, children and media representatives free.
- 25 Early Spring Wildflower Walk in Fern Valley. Leader: Cole Burrell. Meet at U.S. National Arboretum's Fern Valley entrance 1:00 p.m., 3501 New York Ave., Washington, D.C. Free.
- 31 to April 3 39th Annual Williamsburg Garden Symposium featuring the world of perennials. For info, write (incl. your name and return address) Garden Symposium Registrar, The Colonial Williamsburg Foundation, Box C, Williamsburg, VA or call (in VA) 1-800-229-1000.

### April

- 2 VWPS Executive Committee Meeting. 7:00 p.m. at the home of Claudia Thompson-Deahl, Haymarket, VA.
- 12 Spring Wildflower Walk in Fern Valley, U.S. National Arboretum with Cole Burrell. 10:00 a.m. (see March 25).
- 18-21 VWPS 1985 Wildflower Weekend. This year's wildflower walks, workshops and lectures will primarily occur throughout the No. Va./metropolitan Washington area. Key speaker: Hal Bruce of Winterthur Museum, Delaware. All members will receive WW brochures in a special March mailing.
- 18 "Wildflower Workshop" sponsored by the National Capital Area Federation of Garden Clubs, Inc.. 10:00 a.m. 3:00 p.m. U.S. National Arboretum Auditorium, 3501 New York Ave., NE, Washington, D.C. Morning and afternoon speakers' sessions will address wildflower propagation and landscaping with native plants. Tour of Fern Valley at 1:00 p.m.. Bring your lunch; beverages provided. For more info, call Mary Corley (301) 340-0148 in Rockville, MD. Free.
- 22 Spring Wildflower Walk in Fern Valley, U.S. National Arboretum with Cole Burrell. 1:00 p.m. (see March 25).
- 26, 27 & 28 Annual Roanoke Valley Wildflower Pilgrimage co-sponsored by the R.V. Science Museum and the John Clayton Chapter of the VWPS. See details this issue.

### May

- 1 & 5 "Living Legends In Art (Of Growing Wildflowers)" - a salute to Fern Valley's 25th Anniversary, U.S. National Arboretum. See article in this issue for programs, details.
- 2 VWPS Executive Committee Meeting. 7:00 p.m. at the home of Cole Burrell, Riverdale, MD.
- 7 "Planting Wildflower Seedlings in Your Garden", presented by Cole Burrell, Assistant Curator of Fern Valley and member of VWPS Board of Directors. 7:00 p.m. at Green Spring Farm Park, Annandale, VA. For directions, call 642-5173.
- 10 & 11 Rhododendron Society's Mid-Atlantic Flower Show and Conference. Tysons Westpark Hotel, 8401 Westpark Drive, McLean, VA For info, contact J. Beaudry (703) 620-9122 (eves).
- 10, 11, 12 Wintergreen Spring Wildflower Symposium. An annual instructional weekend at the beautiful Wintergreen, Va resort. Full agenda of hiking, workshops, guest lecturers, and identification lab. Fee involved for instructional programs. For more info, call (804) 325-2200 and ask for Paxon Collins (x 859) or Sue Ellen Lee (x 388).

We encourage all chapters, individual members and friends to submit calendar items,  
 notices, news which might be of interest to our members.  
 Mail to: Editor, VWPS, P. O. Box 844, Annandale, VA 22003.



VIRGINIA WILDFLOWER PRESERVATION SOCIETY

Balance Sheet  
as of 10/31/1984

ASSETS:

CASH	4000.44
Accounts Receivable	<u>0.91</u>
 TOTAL ASSETS	 <u>\$4001.35</u>

LIABILITIES:

Membership Dues - 1985	1212.50
Accounts Payable	105.00
Taxes Payable	95.24
Grant Balance	<u>1617.02</u>
Total Liabilities	3029.76
Reserve	<u>971.59</u>
TOTAL LIABILITIES & CAPITAL	<u>\$4001.35</u>

- - - - -

INCOME STATEMENT  
For the period ending 10-31-1984

INCOME:

Membership Dues	2496.16	
Interest	197.65	
Grant - Wildcat Foundation	3000.00	
Fund Raising	2668.68	
Contributions	587.50	
Bulletins	6.50	
Directory Pages	235.13	
Annual Meeting (Photo Contest)	<u>39.00</u>	
TOTAL INCOME		9230.62

EXPENSES:

Staff Secretary*	1150.69	
FICA*	126.40	
Federal Income Tax*	15.00	
State Income Tax*	12.86	
Mileage (Staff Secretary)	76.80	
Office Supplies	1245.26	
Office Equipment	295.58	
Telephone	99.41	
Publications/Publicity	1578.23	
Fund Raising	863.41	
Sales Tax	10.98	
Insurance & Bonding	304.00	
Budget & Finance	25.00	
Bank Fees	41.44	
Chapter Development	405.19	
Annual Meeting	207.68	
Honoraria	35.00	
Membership transfers to new chapters	<u>312.50</u>	
TOTAL EXPENSES		<u>(6805.43)</u>

	2425.19
Less Grant Balance	<u>1695.05**</u>

NET INCOME	<u>\$ 730.14</u>
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\*Paid from Wildcat Foundation Grant

\*\*Includes Taxes Payable as shown on Balance Sheet

## THE EXCHANGE

### Wildflowers Wanted

We have a request from Joe Brown, a friend who has so often afforded his fellow Society members hospitality, expertise, and countless native plants and seeds. (Many of the wildflowers which president Mary Painter distributed to our chapters in 1984 were seedlings from stock plants or seeds donated by Joe.) He is a charter Board member of the John Clayton Chapter, serving as its Propagation Chairman. Joe is also known to many of us as the owner of Mid-Atlantic Wildflowers in Gloucester, VA.

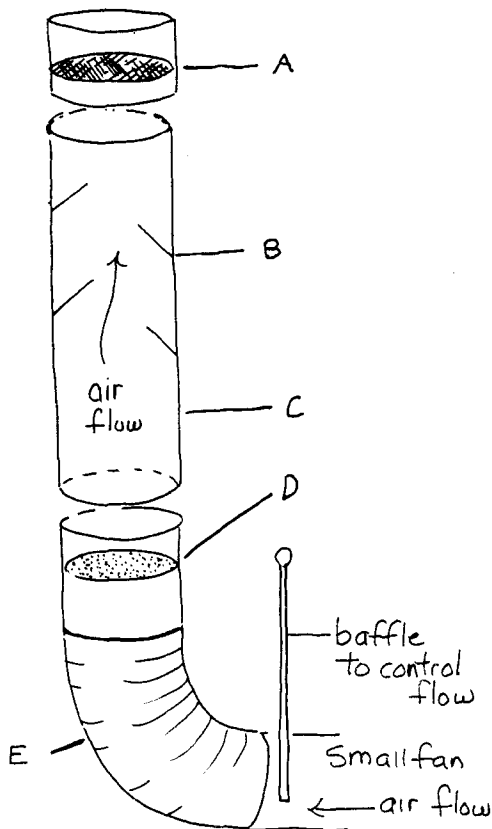
Joe avidly supports the idea of a statewide seed/plant exchange among VWPS chapters and individual members. He asks for your help in locating sources of the wildflower species listed below (plants or seeds). If you grow any of the following species, or know someone who does, please contact Joe Brown, Star Route, Box 226, Gloucester Point, VA 23062, phone (804) 642-4602.

*Echinacea heliopsidis*  
*E. laevigata*  
*E. pallida*

*E. simulans*  
*Eupatorium resinosum*  
*Coreopsis latifolia*

*Liatris helleri*  
*Ranunculus subcordatus*  
*Sagittaria versiculata*

*Sedum rosea*  
*Solidago pulchra*  
*S. verna*



### Air Column Separator

While attending the July 19, 1984 Conference on the Use of Native Plants for Beautification held at Western Carolina University, several VWPS members were delighted to meet Maureen Cunningham. Traveling there from Oak Ridge, TN, Maureen presented a very fine paper on the "Collection, Preparation and Storage of Native Plant Seeds." Maureen's skill in growing wildflowers from seed has been enhanced by her microscopic study of seed coats and embryos. (We are pleased to feature the Cunningham's Natural Gardens among this Bulletin's "Wildflower Sources" column.)

Here, Maureen shares her own instructions for making and operating an air column separator. This device will prove handy for those confronted annually with the cleaning of more than a small quantity of seed.

"The purpose of the machine is to separate seed from the debris inevitably included in the collected seed lot. It operates by using a column of air flowing through the seed lot. The debris in the lot will have different air flotation characteristics from the filled seed. The object is to blow off either the debris from the seed or the seed from the debris, whichever is less dense. Large pieces of debris should be removed by hand.

### To operate:

- Place seed lot in shallow layer on small screen in lowest cylinder section. Connect other two sections and mount over lowest section.
- Turn on fan at lowest possible setting (little or no air flow). Gradually increase air flow until material begins to be blown up the cylinder. Adjusting air flow to point at which only debris or only seed is blown off is the key to success.
- Material blown up the cylinder will collect in the pockets. Obviously, when the pockets are full, it is time to empty them! Especially in the novice stages of using this machine, do not throw out the debris until you are certain you have the air flow adjusted properly. You may be dumping out your seed. In fact, it is best to run your debris through the separator at least twice, especially if your seed lot is small and valuable.
- Very light, wind-dispersed seed (some Asters, golden-rod, etc.) may not be suitable for this machine---they are too sensitive to air flow. Doesn't hurt to try it, though. The screen at the top will prevent their being lost from the cylinder."

- A - extremely small mesh screen
  - B - pockets made from clear plastic. (Imagine a plane passing into the cylinder at an oblique angle to form a "pocket". Pockets are held in place by plastic or Plexiglas glue.
  - C - clear plastic pipe (Plexiglas) used for cylinders. Sections A, C and D should fit together snugly.
  - D - small mesh screen mounted inside cylinder section. (Pores in screen must be smaller than the smallest seed you want to clean.)
  - E - flexible hose (dryer vent hose, for example)
- Figure redrawn by Barbara Stewart.



## SPECIAL BOOK VALUE FOR VWPS MEMBERS

The New Wild Flowers and How to Grow Them by Edwin Steffek, editor of Horticulture and other leading journals.

In this revised and expanded edition of his highly regarded volume, Edwin Steffek discusses more than 550 species and greatly increases the coverage of Rocky Mountain and Pacific Coast natives. The color plates of the first edition are replaced with splendid color photographs. Many of you who found the original book so useful, as well as those who are just starting out, will look to this new edition for even better guidance in the delightful endeavor of wildflower growing.

Paperbound, 172 pages, the book includes 50 color plates and 100 black and white illustrations. Special VWPS price: \$19.95 (a saving of nearly \$5 per copy and shipping costs). Your book will be mailed directly to you. Submit your check or money order (payable to VWPS) to: VWPS Book Order, P. O. Box 844, Annandale, VA 22003.

Please send me \_\_\_\_\_ copy(ies) of The New Wild Flowers and How to Grow Them @ \$19.95 ea. (incl. shipping and handling). Enclosed is my check \_\_\_\_\_ money order \_\_\_\_\_.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

(You may submit your own form  
to avoid cutting Bulletin pages)

### RECOMMENDED READING

#### Endangered Species Bulletin

The Endangered Species Technical Bulletin published monthly by the U.S. Fish and Wildlife Service is once again available to individual subscribers. For more than a year, it was accessible only through libraries. In the form of a reprint from the Wildland Management Center, School of Natural Resources, University of Michigan, Ann Arbor, MI 48109, it costs \$12 per year (checks payable to University of Michigan). Each issue is eight to ten pages long and contains news on proposed listings, rule changes, regional activities and requests for public comment. The Center also supplements each issue with its own insert of information on research, publications and meetings.

## IN MEMORIAM

George David Aiken

Wildflower preservationists recently lost a pioneer leader, Sen. George D. Aiken (R., Vt.) who died 19 November 1984 in Vermont at age 93. A Vermont native, he was born 30 August 1892, in Dunnerston. Sen. Aiken will be remembered by most of the nation and the world as a statesman who served in state offices from 1932 to 1940 and in the U.S. Senate from 1941 until his retirement in 1975. To those of us involved in native plant cultivation and preservation he was a beloved mentor and early leader.

Few who knew him only as a skilled international negotiator for the U.S. also knew him as an equally staunch advocate for the rights of native plants. Before, during, and after his career as U.S. Senator, George Aiken propagated and cultivated native wildflowers and berries. He was a farmer all his life. As a young man he won a reputation as a leading nurseryman and grower of berries. When only 20, he and a friend borrowed \$100 and started raising New England red raspberries for sale of plant stock and fruit. This was the foundation of his successful career as a horticulturist, nurseryman, and farmer. Before coming to Washington (1941), he was already propagating, cultivating, selling, and giving away native plants for his own and others' pleasure. He was one of the first successful propagators of the trailing arbutus and fringed gentian. During the Washington years, Sen. Aiken lived in an apartment on Capitol Hill but retained his farm in Putney, only one mile from his birthplace. He returned there in 1975 to "raise berries, vegetables, and flowers and enjoy the view of Mt. Monadnock."

To VWPS members, Sen. Aiken is probably viewed as a good friend with whom we became acquainted through his book, Pioneering With Wildflowers. He first published this popular work in 1935 with later editions in 1963 and 1968. This book, unfortunately out of print but available occasionally through used book dealers, is credited with opening to gardeners a new dimension: cultivation of wildflowers. Sen. Aiken also was the author of Pioneering With Fruit and Berries and Speaking From Vermont.

Our legacy from such people as George D. Aiken - an America beautiful with native trees, shrubs, and flowers - is one that we in the VWPS treasure. We will miss him.

- Doris Berger

\* \* \* \* \*

### Membership Form

\_\_\_\_ New \_\_\_\_ Renew

PLEASE PRINT

Name(s) \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Phone(s): Home (\_\_\_\_) \_\_\_\_\_ Work (\_\_\_\_) \_\_\_\_\_

Individual (\$10) \_\_\_\_\_

Family (\$15) \_\_\_\_\_

### AFFILIATION

Senior-60 or over (\$5) \_\_\_\_\_

Student (\$5) \_\_\_\_\_

Patron (\$25) \_\_\_\_\_

Associate (\$25) \_\_\_\_\_

Potowmack \_\_\_\_\_

John Clayton \_\_\_\_\_

Supporting (\$50) \_\_\_\_\_

Sustaining (\$100) \_\_\_\_\_

Piedmont \_\_\_\_\_

Blue Ridge \_\_\_\_\_

Corporate Sponsor (\$125) \_\_\_\_\_

Life (\$250) \_\_\_\_\_

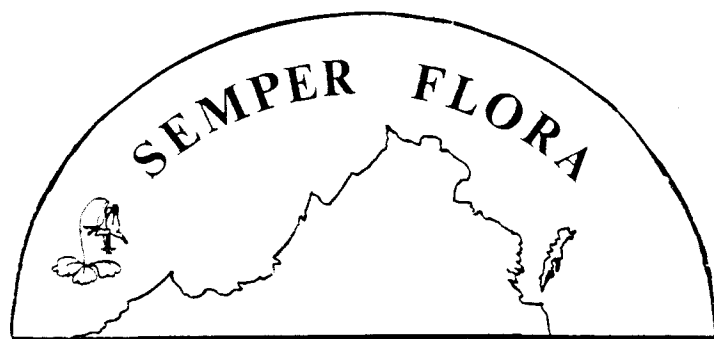
Prince William \_\_\_\_\_

At Large \_\_\_\_\_

GIFT MEMBERSHIP : Donor \_\_\_\_\_

Message: \_\_\_\_\_

CONTRIBUTION: \$ \_\_\_\_\_ to VWPS \_\_\_\_\_ To \_\_\_\_\_ Chapter \_\_\_\_\_  
Please make check payable to VWPS



## VIRGINIENSIS

*Virginia Wildflower Preservation Society*

### VWPS T-SHIRTS NOW AVAILABLE!

Help to spread our conservation message as it is so attractively displayed on our first-edition T-shirts! Loosely translated, our slogan conveys a theme of "Virginia Wildflowers Forever". As developed by Joni Melville, our shirts are available in men's and ladies' styles (French-cut sleeve and a semiscoop neck), woven in a 50/50 cotton-polyester blend. The men's style also features the VWPS initials on the sleeve. Royal blue design on a sky blue shirt. (Upon special request, all-cotton shirts are available in minimum orders of 12.) Sizes: Men's - Sm., Med., Lg., and X-Lg. Ladies' - Sm. and Lg. \$8.50 each (tax incl.). Allow 3 weeks for delivery. Address orders to: Joni Melville, 10631 Gunston Road, Lorton, VA 22079. For each shirt ordered, please indicate style and size. With your name and return address, enclose your check, payable to the VWPS. Note: In order that your chapter might also benefit from T-shirt sales proceeds, we encourage you to consult your chapter's Fundraising chair, or other officer, about local availability/direct chapter sales of these shirts.

### RELEASE

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### LIVING LEGENDS IN ART

Join the staff of the U. S. National Arboretum in the Administration Building at 1:30 p.m. on May 1 and May 5 for tours and demonstrations on the art of growing and selecting wildflowers.

The Arboretum is easily accessible from the Beltway and downtown Washington. It is bounded on the west by Bladensburg Road, on the north by New York Avenue and on the south by M Street, NE. Follow signs to enter from the gate at 3501 New York Avenue, NE. Follow signs to the Auditorium in the Administration Building. Ample free parking is available.

If you plan to attend or need further information, please notify the Education Department at (202) 475-4857.

Wednesday, May 1, 1985

Honoring of Volunteers  
Dedication to Mrs. Margaret Lancaster

"Woodland Wildflowers"  
Elaine Haug, President  
Prince William Wildflower Society,  
a Chapter of the VWPS

"Growing Wildflowers and Ferns"  
Cole Burrell, Assistant Curator of Fern Valley

"Wildflower Propagation"  
Gretchen Minners, Co-Chairman of the  
Wildflower Garden at Landon School

Sunday, May 5, 1985

Foggy Bottom Morris Dancers  
May Pole In The Meadow

"Woodland Wildflowers"  
Elaine Haug, President  
Prince William Wildflower Society,  
a Chapter of the VWPS

"Growing Wildflowers and Ferns"  
Cole Burrell, Assistant Curator of Fern Valley

"Wildflower Propagation"  
Karen Sorenson, Propagation Chairman  
Potowmack Chapter of the  
Virginia Wildflower Preservation Society



*Virginia Wildflower Preservation Society*

P.O. Box 844  
Annandale, Va. 22003

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Spring 1985

# The Bulletin

Vol. 4, No. 2

A publication of the Virginia Wildflower Preservation Society

## WE'RE LOOKING FOR MORE THAN A FEW GOOD CHAIRMEN

During its first three years, our young organization has rapidly grown in membership and structure. As a volunteer organization we are faced with the ever-increasing need to involve more of our members in the management of the Society's activities. I am speaking of the need to fill state-level, non-Board positions, having one-year terms—roles which are key to the continued growth and quality of our Society-sponsored programs, services and annual events.

There are as many as 20 such positions which the Society will fill during the next two years. Featured below are six positions which need immediate occupancy:

- Chairman, 1985 Annual Meeting.  
(to be held this September)
- Chairman, 1985 Auction.  
(to be held during the Annual Meeting)
- Curator of VWPS Signature Slide Collection.
- Chairman, Youth Programs.
- Publicity Officer.
- Librarian.

Many of these activities can be handled right out of one's home. An abbreviated 1985 term (ending 10/31/85) provides interested members an ideal opportunity to try out a position that would not involve a long-term commitment. (Naturally, if the job fits, we would encourage you to keep it for '86!). If you are interested in learning more about these or other position openings, I encourage you to contact me without delay by letter or phone: Mary Painter, P. O. Box 844, Annandale, VA 22003. (703) 573-7747. I will respond at your convenience.

The Bulletin allows me to appeal directly to you, our members living throughout the Commonwealth and neighboring states. One of the many available positions may be ideally suited to your particular interests, talents and available volunteer time. You assume no obligation by inquiring. Thank you.

Mary Painter, President

## VWPS SPEAKERS SERVICE ADDS NEW PROGRAM

The Roots of Life, a 14-minute slide-tape show, is now available for VWPS speaker programs.

Produced by the World Wildlife Fund-U.S. and the Garden Club of America, The Roots of Life focuses on the threats which face our native flora and those steps we can take to preserve it.

## VWPS TO GO DOWN UNDER

President Mary Painter has announced an exciting wildflower tour of Australia scheduled for 1986. Featuring a late October departure (corresponding to Australia's spring season), the 18-day tour will be co-sponsored by the VWPS and the American Horticultural Society (AHS).

Our own renowned member, Dr. Stanwyn Shetler, will go the distance as leader of this unique tour offering. Stan and Mary recently met with Dr. Charles Huckins, Executive Director of AHS, and Mr. Saul Viener of Dynasty/Red Carpet Travel Service to develop an itinerary carefully tailored to the wildflower enthusiast. The tour schedule will focus on the diverse and exquisite spring-flowering flora of Western Australia. Excursions will feature a select variety of Australia's finest parks, preserves, botanical gardens and forests. Unhurried visits to Perth, Adelaide and our gateway, Sydney, will also provide us the unique charms and horticultural hot spots that abound in these beautiful cities. A full brochure will be issued to all VWPS members. For further information, contact Mary Painter, (703) 573-7747.

## ENDANGERED SPECIES ACT REAUTHORIZATION

Congress is currently considering reauthorization of the Endangered Species Act. Federal funding for the protection of endangered species will be cut off in October unless Congress acts. Lack of funding particularly affects rare plant species because they are under-represented on endangered species lists and in the recovery efforts of all agencies. In letter to Representatives Bateman and Breaux, the VWPS has recommended that Congress increase legal protection for listed plant species, protect candidate species, and increase resources for endangered species protection. House and Senate subcommittees will be deciding what approach to take on these issues in early May.

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Spring Wildflowers of Northern Virginia: A Checklist by Marion Blois, 1985. Prepared with the assistance of Marie Davis (typing and editing), Elaine Haug (editorial suggestions), Nicky Staunton (cover design).

This is a 13-page checklist featuring monocots and dicots, with an alphabetic arrangement of families, genera, and species. It features 445 species of herbaceous plants, trees, and shrubs which flower from earliest spring to the end of May within the Virginia counties of Arlington, Fairfax, Loudoun, and Prince William. It is pocket-sized (7 1/2" x 3 3/4"), designed to fit inside a Peterson or Newcomb's field guide.

Marion is a charter member of the Prince William Wildflower Society and an At-large member of the VWPS Board of Directors.

This fine new offering will be available through our Prince William Wildflower Society (see enclosed VWPS Publications & Gift List).

Common Flowering Plants of the Northeast by Donald D. Cox. State University of New York Press. 1985.

From woodlands to wetlands and from roadsides to sandy beaches, Common Flowering Plants of the Northeast is a ready reference tool for identifying plants in their native habitat. It is a habitat-oriented guide to common flowering plants in the Northeastern United States and Eastern Canada. Donald D. Cox skillfully integrates ecological and taxonomic information, impressing upon the user the often intimate relationship between the organism and its habitat. The information is presented in botanically accurate yet nontechnical language, making it useful to students of botany and ecology and to interested nonspecialists.

A unique feature of the guide is its treatment of the food, medicinal, and poisonous qualities of common plants. It also features a fully illustrated habitat key for easily identifying the family to which a plant belongs, and more than 400 finely detailed line drawings to facilitate species identification. Each species is described with regard to origin, type of life cycle, method of pollination, method of seed dispersal, and value to wildlife as a food plant.

Donald M. Cox is Professor of Biology and Director, Rice Creek Field Station, State University of New York at Oswego.

Growing and Propagating Wildflowers by Harry Phillips. University of North Carolina Press, 1985.

This book is organized into five sections. The first, Cultivating Native Plants, discusses soil preparation, garden maintenance, and insect pests and diseases. The second, Propagating Native Plants, describes methods for collecting, cleaning, and storing seeds, and discusses propagation techniques from seed and by vegetative means. The main portion of the book, sections 3 through 5, treats in detail 75 wildflowers, four genera of carnivorous plants, and 15 ferns, as well as three sample plans for designing a perennial border using some of the plants. Appendices include information on how to organize a plant rescue, a calendar of blooming dates, a production time-table, and a recommended literature guide.

Harry Phillips is curator of the North Carolina Botanical Garden. This book is featured in the enclosed VWPS Publications & Gift List.

While drizzle persisted throughout the chilly weekend of March 23rd and 24th, eleven Society members were cooking up ideas and plans (and hearty meals) within Bee Smith's cozy cabin. The VWPS Long-Range Planning Committee had invited Board members at the state and chapter levels to bring to the retreat their ideas, concerns and dreams for the Society. As our gracious host, Charles H. "Bee" Smith kept the fires burning within his attractive Hunt Valley cabin near Front Royal, Virginia.

Each participant gathered there out of concern and interest in our organization's future. Attending were Jocelyn Alexander, Ed Ballard, Marion Blois, Faith Campbell, Claudia Thompson-Deahl, Elaine Haug, Eric Herst, Linda McMahan, Mary Painter, Mary Pockman and Bee Smith.

As Retreat organizer, Marion Blois first led our participants through a rapid succession of "brainstorm sessions" conducted within smaller groups. During Saturday evening and Sunday morning, all members reconvened to identify approximately 15 major goals for the Society. One or more of these goals were selected by each of our participants before he or she departed, homeward-bound. Using a planning time-table (maximum: 5 years), our Retreat members are now formulating specific strategies or action plans necessary to achieve each of those goals we chose to expand.

Bee Smith was awarded a VWPS Certificate of Appreciation as a small token of gratitude for his hospitality. We applaud the Long-Range Planning Committee and, particularly, Marion Blois, for her tireless efforts to bring us together. We look forward to sharing the many ideas presented during the Retreat within our next Bulletin issue.

Mary Painter

#### FROM CONSERVATION . . .

##### VIRGINIA LISTS SMALL WHORLED POGONIA

During its short 1985 legislative session, the Virginia General Assembly overwhelmingly endorsed the listing of the small whorled pogonia, Isotria medeoloides, as endangered. The proposal was unopposed in both chambers.

Another of our proposals also breezed through the legislature. We had asked for several amendments to the Virginia Endangered Plant and Insect Species Act to remove the requirement that the legislature act on species listings and to increase penalties for violators. This measure passed by 39-0 in the Senate, 98-1 in the House of Delegates.

Our sponsors, Senator Clive DuVal (D-Fairfax) and Delegate "Pete" Giesen (R-Waynesboro) deserve our heartfelt thanks. As approved by the VWPS Board of Directors, each has received a VWPS Certificate of Appreciation, accompanied by a hand-written letter and photograph of the orchid as symbols of our gratitude. (The 8"x10" color print photos were provided by Blue Ridge Chapter member Steve Croy)

I wish to thank all of you who wrote to members of the legislature in support of these proposals. The Society can be proud of our role in helping to protect the small whorled pogonia and, in the future, other rare plants of Virginia.

Faith T. Campbell  
Conservation Chairperson



## STEPS TO POSITIVE INTERACTION WITH YOUR DEPARTMENT OF TRANSPORTATION

The following article is based on a presentation made by Kim D. Herman, a botanist with the Michigan Dept. of Transportation's Bureau of Transportation Planning at the "Conference on the Use of Native Plants for Beautification", at Cullowhee, North Carolina, on July 27, 1984. Featured here are excerpted portions from Kim's talk. Her complete, unabridged manuscript which also includes a discussion of mowing cycles and native roadside plants (as well as a list of literature cited), is available for purchase through the VWPS Public Information Officer, P. O. Box 844, Annandale, VA 22003.

"In October, 1983, I attended the Tenth Annual Midwest Natural Areas Workshop at the Natural Bridge State Resort Park, Slade, Kentucky. At the workshop I was continually impressed by the negative attitude that the professionals in natural land management had towards their respective state highway departments. I publicly admonished this attitude and the result was a request via Robert Sutter, Botanist, North Carolina Department of Agriculture and Dr. James Horton of Western Carolina University, North Carolina, to speak at this conference. I was asked to discuss mowing cycles and native roadside plants. However, I will also discuss protection of native species on highway rights-of-way and steps local garden clubs can take to implement native plantings on highway rights-of-way.

"In the spring of 1975 an "Operation Wildflower" program was implemented to restore colorful patches of wildflowers along Michigan's roadsides. Operation Wildflower was and is co-sponsored by the Federated Garden Clubs of Michigan and the Michigan Department of Transportation (MDOT). The garden clubs were encouraged to participate in three ways:

1. Donate wildflower seeds, in a minimum of 25 pound quantities to the MDOT for roadside seeding operations in turf development by highway contracts.
2. Plant wildflower seeds or plants through membership planting projects; and
3. Collection or propagation or both of wildflower seeds to supply to other garden clubs at the proper planting time.

"Three species of wildflowers were chosen for initial plantings due to their ability to grow well on poor soils and their showy flowers. They were the black-eyed Susan, *Rudbeckia hirta*; ox eye daisy, *Chrysanthemum leucanthemum*, and tickseed, *Coreopsis lanceolata*. Since the spring of 1978 MDOT has been including wildflower seeding on selected landscape projects in which some of the seed was donated by "Operation Wildflower." Since that time 51 locations totalling 40 acres have been planted to wildflowers on 12 landscape projects. However, this is only a small scale application of wildflowers in relation to the MDOT's total landscaping program.

"In spite of this, it currently appears that twenty-four years of limited mowing and ten years of interest by the public and the Federated Garden Clubs of Michigan through "Operation Wildflower," has benefitted wildflowers both native and non-native along Michigan roadsides.

"The following Michigan roadside wildflowers are non-native plant species that were introduced into this country from Europe. Many consider them naturalized and part of the native flora. They constitute an integral part of what is ecologically an early successional or "old field" habitat in Michigan. And because of their abundance and color, they provide impressive floral displays throughout the growing season.

"In the spring, prime examples include the yellow dandelion, *Taraxacum officinale*; orange hawkweed, *Hieraceum* spp.; and the yellow wild mustard, *Barbarea vulgaris*. The blue soldier, *Cichorium intybus* and the white Queen Anne's Lace, *Daucus carota*, early summer. The deep pinks of the spotted knapweed, *Centaurea maculosa* are next to bloom, followed closely by the pale pink bouncing bet, *Saponaria officinalis* and the purple loosestrife, *Lythrum salicaria*.

"Although current MDOT maintenance practices allow the above species to occur on the roadsides, the department does not actively plant any of these species. The reason is: they are so common and in some cases are considered pests by farmers, particularly Queen Anne's Lace, or by naturalists, particularly purple loosestrife.

"A number of showy native wild flowers grace Michigan roadsides from spring to fall in a variety of habitats. The spring display of woodland wildflowers is very nice: especially the large white flowered *Trillium*, *Trillium grandiflorum*, the delicate pink Spring beauty, *Claytonia* spp., the beautiful blue flowered liver leaf, *Hepatica* spp., and the nodding yellow trout lily, *Erythronium* spp. The lovely orange flowered Michigan lily, *Lilium michiganense*, appears in the woodlands later on in the summer.

"In wetlands the marsh marigold, *Caltha palustris*, provides a brilliant display of yellow in the spring along Michigan roadsides. Later on the bright red cardinal flower, *Lobelia cardinalis*, and the rosy pink swamp milkweed, *Asclepias incarnata*, provide lovely additions to the roadside flora.

"Native Michigan prairie species also occur along the roadside. By far these kinds of species are best adapted to roadside conditions. And for Michigan at least both prairie grasses and flowers are the best suited for roadside seeding projects.

"The following are only a few of the prairie species that occur naturally along Michigan roadsides. In the spring the bright yellow pueon, *Lithospermum* spp., and the blue lupine, *Lupinus perennis* make a lovely combination on dry upland sites. Later on in June and July the red-violet of the tall ironweed, *Vernonia altissima*, the pale pink of wild bergamot, *Monarda fistulosa*, the silvery green of the whorled milkweed, *Asclepias verticillata*, and the yellow skirts of the gray head coneflower, *Ratibida pinnata* appear. In late July and August the yellows of the rosinweeds, *Silphium* spp., appear, along with Jerusalem artichoke, *Helianthus tuberosus*, and the most common prairie grasses: big and little bluestem, *Andropogon gerardi* and *A. scoparius*; switch grass, *Panicum virgatum*; and Indian grass, *Sorghastrum nutans*. As September begins the grasses are at full stature and the blues and the purples of the many native asters, such as the New England aster, *Aster novae angliae* appear on the roadsides.

"Along with the many wildflowers there are many native shrubs and trees that occur along Michigan roadsides. The red bud, *Cereis canadensis*; flowering dogwood, *Cornus florida*; and the service berry, *Amelanchier* spp. are among the showier flowering spring shrubs.

"In the fall the red berries of Michigan holly, *Ilex verticillata*, provide striking fall color. The sumacs, *Rhus* spp., are very nice with their bright yellow foliage. These shrubs of course complement the beautiful fall display of color that occurs throughout Michigan and brings the many tourists to enjoy the vivid reds, oranges, and yellows of the maples, beeches, ashes, hickories, and other trees along Michigan roadsides.

"Although overall the recent MDOT roadside management scheme has made a place for wildflowers, the future roadside management plan(s) will decide their fate. Since Michigan is a woodland state and ecological plant succession proceeds from meadow to woods, the displays of roadside wildflowers will diminish over time without proper management. In order to capitalize on nature's handiwork, the roadside needs to be planned and managed. For example, designated wildflower areas would need to be mowed completely to the right-of-way line at specified times of the year on a three to five year cycle. At the same time other areas could be managed for the trees and shrubs already established.

"Additionally other areas could be set aside for enhancement through native plantings. Wildflower seeding could be accomplished by the MDOT or by interested groups throughout the state such as local garden clubs. Medians on divided highways are an excellent location for wildflowers. MDOT has not attempted to use them in medians to any extent as yet.

"Please note, as eluded to above, that wildflowers and the use of other native plants is not a panacea. However, with more conscious management and enhancement the MDOT and other highway departments could have spectacular roadsides for approximately the same amount of money that is currently being spent. This requires a long term commitment from decision makers within MDOT and excellent cooperation between the design, environmental, and maintenance phases of roadside management.

"So far I have discussed: 1) some of the right-of-way conditions and uses that affect roadside vegetation; 2) the role of the MDOT Maintenance Division; 3) the 1984 MDOT Maintenance Division mowing guidelines and past mowing practices; 4) the role of "Operation Wildflower and 5) the effects of all of these on the native and non-native roadside flora. I will now turn to less known yet relatively common methods utilized by the MDOT that affect, mitigate, or utilize native plant species.

"Since many of you have expressed dissatisfaction with your respective departments of transportation you must know that YOU HAVE CLOUT! An individual or a group can influence highways departments. The Highway Beautification Act of 1965, the National Environmental Policy Act of 1969, and subsequent acts such as federal and state endangered species acts are the major reasons the MDOT employs landscape architects and environmental professionals today. These laws were brought about by many hardworking and dedicated individuals and groups. And even though we within the MDOT are few in number, we work hard to carry out the intent of these laws and we accomplish alot over time. (The MDOT employs approximately 3600 individuals. Of these, there are four landscape architects, five foresters and one botanist. A total of eleven or 0.3 percent. Nine other environmental professionals are employed by the MDOT bringing the total to 20 or 0.5 percent.)

"Since there is no law which requires departments of transportation to use native plants in landscaping, it is up to individuals or groups to make their desires known to the decision makers in the departments. One individual in our state, whom I will refer to as a "warrior", single handedly catalyzed our new MDOT signing program for the protection of threatened and endangered species and unique plant communities along Michigan roadsides. The MDOT professionals were happy to set up the program, but it was outside influence that helped it along.

"One other avenue and perhaps the best for new construction projects is to use your right to make your desires known through public hearings. All highway projects which utilize federal funds are required under the provision of 23 CFR Part 771, as amended, to hold a public hearing or offer the opportunity for a public hearing on highway projects that result in the preparation of an environmental assessment (EA) or environmental impact statement (EIS). Unless you are on a mailing list it is your responsibility to watch the newspaper for notices of availability of EA's and EIS's and the offers for opportunities to hold public hearings. By attending the public hearing and/or responding in writing to during the official comment period after a hearing, all significant environmental comments become a part of the record and the department is required by law to formally respond in writing in the EA or final EIS. The most "efficient", positive and realistic way to assure that a DOT will incorporate native plantings in landscaping is to get the DOT's to commit to it in writing in the environmental document. Then the DOT's are legally bound to follow through. (Note: it can take several years from project inception to completion).

"Usually special roadside treatments that are decided upon during the environmental clearance process are considered mitigation. Since NEPA, at a minimum the specific measures that can be taken to minimize negative ecological impacts and to enhance positive ecological impacts must be identified in the EIS. There are many mitigation items used by MDOT that are considered standard now, that were unheard of in 1969 when NEPA passed. Selective thinning is commonly used to help blend the offscap onto the right-of-way in construction projects. The MDOT also has tree spades available to salvage plant material in certain circumstances.

"There are also sensitive and scenic areas that are impacted that may be partly restored using native plant species. The MDOT has used native beach sand and grasses to restore areas where endemic Great Lakes shoreline plant species were impacted along US-2 and US-23 in northern Michigan. This restoration was required by a Michigan Department of Natural Resources Threatened Species Permit. For your information the plants are the dwarf lake iris, *Iris lacustris*; Pitcher's thistle, *Cirsium pitcheri*; Houghton's goldenrod, *Solidago houghtonii*; and the Lake Huron Tansy, *Tanacetum huronense*. All four of these species are listed as threatened in Michigan. And the first three are candidates for listing as threatened under the Federal Endangered Species Act. During construction populations of threatened plants are protected using temporary fencing.

"The MDOT is fortunate to have acquired a statewide data base of its significant natural features. A portion of this data base was made available to MDOT through a contract with the Michigan Natural Features Inventory, a program of the Nature Conservancy (TNC). (I was hired specifically to deal with the "problem" of threatened and endangered plants along MDOT owned rights-of-way. These rights-of-way also recently include railroads.)

"With the use of this data base and with the cooperation of the Michigan Natural Areas Registry Program of the TNC, the Michigan Nature Association, the Non-game Wildlife and Endangered Species Program of the MDNR, and other environmental professionals and concerned citizens, the MDOT Maintenance Division implemented a signing program to mark these areas. All areas to be protected will be marked with "Protected Plant Area" signs. No mowing or spraying in these areas is permitted beyond the normal 5'-20' swath that is mowed next to the shoulder. Any other maintenance or construction activities proposed for these areas is reviewed before it is permitted. The program will be monitored and modified if problems such as vandalism arise because of the signs. It is hoped other right-of-way owners such as utilities will follow suit to prevent unknown destruction of plants in these areas during their construction and routine maintenance.

"Another area where native plants have been used is in wetland mitigation. I had the opportunity to provide specifications for a native seed mixture to be used on the slopes of a "borrow area" along I-69 near Lansing. The borrow area was dug next to the highway to obtain fill material for the new highway construction. The area has filled in with water and the contractor left islands in the borrow area which were designed to be used by wildlife, presumably ducks and geese. Please note that it was impossible to locate a source of native seed with a local genotype. We utilized western genotypes because they were available even though they weren't the most preferable.

"Currently wetland mitigation in Michigan consists of: 1) creating new wetlands to replace other areas impacted; 2) purchasing scenic easements that contain wetlands to replace others that have been impacted; and, 3) enhancement of wetlands through wildlife plantings. We have recently been asked to look into a declining white cedar swamp which the MDOT allegedly has impacted due to road construction and salting practices in the area. The national wetland laws are very strong, the FHWA takes them very seriously and there is a great potential for the use of native plants in wetland mitigation as the standards become more sophisticated.

"There is one other way in which native plants have been used by MDOT. In 1979 the US-31 Travel Information Center site near Niles, Michigan was planted to prairie by the MDOT Roadside Development Section. The landscape architect chose a prairie planting for several reasons: historical and educational interest, low maintenance once established, and visually aesthetic, to name a few. After one burn in 1983 about six acres of the total 40 acre site looks quite good. However, the other 2/3 of the site or approximately 31 acres will need to be reseeded.

"The idea of using native vegetation on roadsides is wonderful in concept but some of the problems the MDOT has encountered in the use of native seed have been: 1) Lack of availability 2) Lack of specifications 3) Lack of knowledge for application 4) Lack of interest by contractors 5) Lack of an instantaneous product.

"If people in the landscaping and nursery business want to sell their products to departments of transportation then they need to be able to sell a cost effective and guaranteed package. Conversely DOT's need to be able to give landscape contractors (usually subcontractors) enough notice so they can adequately plan their supplies of native seeds and plants. Even though the MDOT is utilizing native plants in a variety of ways, the dollars spent and the commitment by MDOT is minimal at the least. However, it is a beginning.

"In many ways the potential wide-spread use of native plants along rights-of-way has to incorporate a national land ethic. One that encompasses environmental values and refuses to exploit the species that we would like to promote. However, it must be recognized that unless some monetary value can be placed on the use of native plants for beautification then it will never go very far. At the state level, beautiful roadsides of wildflowers need to be connected to tourist dollars, reduced maintenance costs and to a growing nursery and landscape business. With the building momentum and interest as exemplified by the individuals at this conference and organizations such as the Virginia Wildflower Preservation Society, the National Wildflower Research Center, the National Council of State Garden Clubs, and environmental and landscape/nursery professionals, perhaps both conservation of native plants and the use of native plants for beautification have an exciting and promising future.



## BLOODROOT SEED PROJECT - CAN YOU HELP?

In a recent letter, Dr. C. Ritchie Bell, Director of the North Carolina Botanical Garden (NCBG), has asked for our members' help in the collection and contribution of Bloodroot seeds. Dr. Bell writes that:

"Bloodroot (*Sanguinaria canadensis*) is not only one of our earliest and showiest woodland perennials that is sometimes grown in wild flower gardens, but is also one of the many native plants "dug," "collected" or "foraged" for its rhizomes that are dried and sold to pharmaceutical firms as a source of the alkaloid sanguinarine. As the pharmaceutical demand for this plant has increased, so has the "collection pressure" on wild populations—it takes 200 or more dried rhizomes, from three to four year old plants, to weigh a pound.

"Clearly, Bloodroot is a prime candidate for detailed propagation and biochemical studies to enable the plant to be grown commercially (as is Ginseng and a few other "herbs") in woodland beds. With the aid of a research contract from Vipont Laboratories, such studies have now been going on at the North Carolina Botanical Garden for two years. This year the studies are concerned primarily with seed germination and seedling growth under various environmental treatments.

"Unfortunately, however, a number of characteristics of Bloodroot seeds make such a study a bit difficult; 1) the seed has a fleshy "aril" that cannot be allowed to dry out (which it does in only 30 minutes or so if the seed are exposed to the air); 2) the seed has a complex double dormancy that requires a year to break; 3) even then, seed germination may be very low, often only 5% or less; and 4) seedling survival rates are unknown.

"In order to insure adequate seed material for the planned 2 or 3 years of experimental propagation work a total of 4,000,000 Bloodroot seeds are needed this spring. At about 10 good seeds per pod that means collecting 400,000 seed pods, and this must be done over many populations over a large area of eastern North America.

"Since the seeds are shed almost immediately from the ripe pods, and since the pods ripen over a short period of only a week or so, seed can only be harvested effectively by local residents who know of, or can find, suitable populations of Bloodroot, can watch the pods mature, and collect them at just the right stage before they pop open and shed their seeds."

The reverse side of this page contains Bloodroot seed collecting information provided by NCBG. Dr. Bell asks that, if you can help, please send a card to him noting whatever estimate you can make (at this date) of your probable harvest so that NCBG will be fully prepared to plant your seed as soon as it is received. Write: Dr. Ritchie Bell, 406 Coker Hall 010-A, Chapel Hill, NC 27514 or call (919) 962-6945/962-3775 (leave message).

Note: The VWPS holds in high regard the "conservation through propagation" projects of NCBG. This fellow organization shares our concern that horticultural collecting, even for valid purposes, should not substantially deplete the local populations of the species being studied. We encourage our participating members to:

- 1) collect seed pods from your own garden plants;
- 2) when provided authorized access to other properties, harvest a minimum percentage of available seed pods to ensure the long-term viability of the population being sampled; and
- 3) collect seed pods only from larger, well-established populations.

## BLOODROOT SEED COLLECTING

1. Bloodroot blooms mid-March (south and/or low elevations) to mid-May (north and/or higher elevations).
2. Plants in one population bloom over a fairly short period - only 10 days or so and not every plant will bloom each year. Note: The blooming period is the best time to locate large populations of Bloodroot (i.e. populations which will produce 500-1000 or more capsules and thus enable efficient seed collection a few weeks later).
3. The long, slender, green capsules ripen 6-8 weeks after bloom.
4. In the last stages of ripening, which occur very quickly (in just 2-3 days) the seeds turn tan or brown, the capsule yellows a bit and becomes a bit "puffy" or wrinkled, then the capsule pops open and the seeds are scattered.
5. To collect seeds, the ripe capsules must be held firmly (to keep them from popping open) and broken from the plant.
6. If the capsule is fully ripe, pop it open in a 1 quart Ziploc plastic bag containing a handful of moist (not wet) soil from the immediate area. Be sure all of the seeds are out of the capsule and discard the opened capsule. However, if the capsule is ripe but not quite ready to pop, just put it into the bag unopened.
7. Use one bag per 100 pods (if available) and, to help keep track of the numbers of pods, work with only one bag at a time. Do not allow the seeds to dry out but immediately mix the shed seeds and any unopened pods lightly with the soil.
8. Number the bag and stand the unsealed bags in a box or large paper (not plastic) sack. Keep cool, but do not refrigerate. Seal bags just before packing, leaving some air inside. Pack the numbered Ziploc bags of mixed seed, soil and capsules into a sturdy bag or box, and mail as soon as possible via Parcel Post with your completed collecting form to:

N.C.B.G. Bloodroot Project, Totten Center, 457-Z, Laurel Hill Road, Chapel Hill, N.C. 27514.

Thank you for your help!

/s/ C. Ritchie Bell

The following article appeared in the March Bulletin of the Virginia Department of Highways and Transportation.

### OPERATION WILDFLOWER BRINGS COLOR AND BEAUTY TO STATE

As you travel Virginia's highways this spring and summer, take special note of the colorful and varied flowers that brighten the rest areas, waysides and medians. Those vivid accents are the award-winning results of a nine-year collaboration between the Department, the Federal Highways Administration and the Virginia Federation of Garden Clubs to enhance the state's roadways.

"Operation Wildflower," a national program to raise money for wildflower seed, and "Share Because You Care," a state-wide effort to donate daffodil, day lily and iris bulbs for planting, give members of the state's 434 garden clubs the opportunity to beautify areas in which they normally could not work while providing the Department with several thousand dollars worth of seeds and bulbs, according to Phil Baker, Department landscape specialist.

"Operation Wildflower" began in 1976 as part of the country's efforts to "spruce up" for the Bicentennial celebration. In the program, garden clubs throughout the U.S. raise money to purchase wildflower seeds for planting by the states' highway agencies.

In Virginia, evening primrose, blackeyed Susans, sweet peas, bachelor's buttons, cornflowers, Queen Anne's lace, tickseed, purple coneflowers and ox-eye daisies have been sown in beds ranging from a half-acre to an acre along segments of interstate and primary routes. Approximately 30 acres have been sown with the annual and perennial flowers, according to Baker.

In 1977, the program in Virginia was cited by the FHWA as an outstanding example of highway landscaping.

For its efforts, the Virginia Federation of Garden clubs has won a \$1,000 award in each of the past four years from the National Council of State Garden Clubs, and is the only state club with such a record. The award money is used to purchase bulbs for the state's "Share Because We Care" program.

Through "Share Because We Care," Virginia garden club members donate bulbs from their own gardens, plus money to buy named varieties of daffodils, irises and hemerocallis (day lily) that are used specifically at rest areas and welcome centers. Approximately 40,500 bulbs have been donated or purchased since 1975.

"The bulbs were chosen because they do not require constant attention and they adapt well to dry weather and exhaust fumes," Baker explained. They also help combat soil erosion in problem cuts and embankments, he added.

Each fall, the bulbs are picked up at the clubs' district meetings by highway employees and are planted by the district landscape specialists who coordinate with the club members to choose the planting sites.

### 1985 NCBG SANGUINARIA PROJECT: COLLECTING FORM

Collector's complete address: Name _____	Bag # _____	County _____	State _____	Date _____
Street _____	-	_____	_____	_____
City _____ State _____ ZIP _____	-	_____	_____	_____
Phone(s) ( ) _____ / ( ) _____	-	_____	_____	_____
Special field notes or observations that may be of interest or value to the project: _____	-	_____	_____	_____
_____	Total number of bags: _____			
_____	Total number of seed pods: _____			
_____	Note: NCBG will reimburse you for postage _____, \$5.00 per 100 pods collected and \$5.00 for miscellaneous field costs (when 1,000 or more pods are collected).			
_____	Total due: \$ _____			

THANK YOU FOR YOUR HELP!

\* \* \* \* \*

### Membership Form

\_\_\_\_ New \_\_\_\_ Renew

PLEASE PRINT

Name(s) \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Phone(s): Home (\_\_\_\_) \_\_\_\_\_ Work (\_\_\_\_) \_\_\_\_\_

Individual (\$10) _____	Family (\$15) _____	AFFILIATION	
Senior-60 or over (\$5) _____	Student (\$5) _____	Potowmack _____	John Clayton _____
Patron (\$25) _____	Associate (\$25) _____	Piedmont _____	Blue Ridge _____
Supporting (\$50) _____	Sustaining (\$100) _____	Prince William _____	At Large _____
Corporate Sponsor (\$125) _____	Life (\$250) _____		

GIFT MEMBERSHIP : Donor \_\_\_\_\_

Message: \_\_\_\_\_

CONTRIBUTION: \$ \_\_\_\_\_ to VWPS \_\_\_\_\_ To \_\_\_\_\_ Chapter \_\_\_\_\_

Please make check payable to VWPS

## CALENDAR

## May

- 10 Potowmack. Wildflowers and Native Shrubs. Acting Curator of Fern Valley Cole Burrell will lead a tour through the U.S. National Arboretum's Fern Valley, Washington, D.C. 1:00 p.m. Info: (202) 475-4815.
- 10 & 11 Rhododendron Society's Mid-Atlantic Flower Show and Conference. Tyson's Westpark Hotel, Tyson's Corner. Info: Jean Beaudry, (703) 620-9122 (eves).
- 10, 11, 12 Wintergreen Wildflower Symposium. An exciting weekend of lectures, workshops, wildflower hikes at the Wintergreen, VA resort. For brochure, call (804) 325-2200 x 699 or write Doug Coleman, Naturalist, "Wintergreen," Wintergreen, VA 22958-0151.
- 11 Prince William Wildflower Society Plant Sale. Bethel Church, Sudley Rd. & Plantation Ln., Manassas. 9 a.m.-3 p.m.
- 12 Potowmack. Spring Wildflower Sale. Green Spring Farm Park, Annandale. 12 noon-3:00 p.m. Info: Joni Melville, (703) 339-6109.
- 18 John Clayton. Plant & Craft Sale. Heritage Square Shopping Center. Rt. 17, Grafton (York County). 10:00 a.m. Info: Barbara Hall, (804) 693-4433.
- 20 PWWS Membership Meeting. Bethel Church, Sudley Rd. & Plantation Ln., Manassas. 7:30 p.m.
- 22 Gardening With Wildflowers. A lecture by Steven Davis specially featuring the River Farm Meadow, American Horticultural Society, Mount Vernon, VA. 10:30a.m. - 12 noon. Fee involved. Info: River Farm, (703) 768-5700.
- 23 Potowmack. Wildflowers and Azaleas of the Smokies, a slide program by Kent Minichiello. Arlington County Central Library. 7:30 p.m. Info: Dorna Kreitz, (703) 938-6248.
- 25 John Clayton. Canoe Trip on the Dragon Run. Limited to 14 participants. VWPS members: adults-\$20/children-\$15. Info: Barbara Hall, (804) 693-4433.
- 31-6/2 John Clayton. Whale Watching Trip off the coast of Ocean City, MD. Sponsored by the Peninsula Nature & Science Center. Info: (804) 595-1900.

## June

- |       |   |
|-------|---|
| 1     | <u>VWPS Board of Directors Meeting</u> hosted by Blue Ridge Chapter, Roanoke. Location, time, directions tba.                                     |
| 1 & 2 | <u>VWPS Spring Field Trip</u> . See article this issue of the <u>Bulletin</u> for details.  |
| 2     | <u>Wildflower Walk</u> . Conway Robinson Memorial Forest, Rts. 29-211, Gainesville. 1:30 p.m. Info: Jean Chitren 221-4489.                        |
| 20    | <u>John Clayton Chapter Meeting</u> . Byrd Hall, VIMS Campus, Gloucester Point. Program tba in <u>Clayton Quarterly's</u> spring issue. 7:30 p.m. |

## July

- |       |  |
|-------|--|
| 2     | VWPS Executive Committee Meeting at the home of Mary Painter, Annandale. 7:00 p.m.   |
| 25-28 | 2nd Annual Conference on Beautification With Native Plants. A full agenda of lectures, displays, panel discussions relating to landscaping with native plants. Western Carolina University, Cullowhee, NC. For brochure, write Dr. Joseph L. Collins, Tennessee Valley Authority, Natural Resources Bldg., Norris, TN 37828. |

## August

- 1 VWPS Executive Committee Meeting. Location tba. 7:00 p.m.

VWPS SPRING FIELD TRIP - JUNE 1 & 2, 1985

Our Blue Ridge Chapter has thoughtfully planned a weekend promising some of springtime's more spectacular and diverse floral displays. Both Saturday's and Sunday's forays will feature large pockets of hemlocks and understories consisting primarily of Rhododendron and Kalmia. Among those rhodos expected to appear in peak bloom are: R. calendulaceum, R. catawbiense, and R. roseum.

The Blue Ridge Chapter is represented by many fine amateur and professional botanists. Among the more knowledgeable, Rich Crites and Sam & Dora Lee Ellington will serve as trip leaders on Saturday. Our renowned Dorothy Bliss, the Society's Acting Botany Chair, will lead the Sunday forays.

+

SATURDAY, JUNE 1

- 1:00 p.m. . . . . Meet at the Arcadia Exit (#8) from Rt. 81 South. From there we will proceed to the Arcadia area, a cove forest offering excellent diversity.

- 5:30 p.m. . . . . From our original meeting location our leaders will provide directions by car to the Peaks of Otter Lodge on the Blue Ridge Parkway. Our hosting Blue Ridge members have graciously offered to provide all food and beverages for the evening's cookout.

SUNDAY, JUNE 2

- 9:00 a.m. . . . . Meet at the Peaks of Otter Visitors Center. From there we will drive north along the Blue Ridge Parkway to the North Apple Orchard Mountain/Thunder Ridge area (the Parkway's highest elevation in Virginia—over 4,000 feet). The deciduous hardwood forest area holds a unique combination of plants—a convergence of northern species appearing at their southernmost limits and southern species to be found at their northernmost range. Northern Red Oaks will be in appearance.

**Accommodations:**

1. Fine lodging and camping facilities at the Peaks of Otter Lodge, Blue Ridge Parkway. Rooms: approx. \$30-\$35/night. Bedford, VA. (703) 586-1081.
2. Terrace House, a Best Western Motel. Comfortable, clean. Rooms: \$20-\$25/night. Bedford, VA (703) 586-8286.
3. Other nearby camping areas are available.

Registration:

Registration will be required for the weekend's field trip activities. Deadline: May 22. To register and for further information, call Blue Ridge Chapter president Paul James: (703) 334-5783 (eves) or write: Rt. 2, Boones Mill, VA 24065.

Our spring field trip is limited to 30 participants. Registration on first-come, first-served basis. Guests welcome provided that all responding VWPS members are accommodated.

## FROM OUR CHAPTERS . . .

### Potowmack Chapter

Since the Bulletin's last issue, the chapter has welcomed two new members to its Board of Directors: Rusty Young, Secretary, and Danielle Werchowsky, Botany Chair.

Please note those exciting chapter events scheduled for May within this issue's Calendar.

### John Clayton Chapter

The John Clayton Chapter enjoyed hosting the March 2 quarterly meeting of the VWPS Board of Directors in Watermen's Hall on the campus of the Virginia Institute of Marine Science, Gloucester Point. Special recognition and thanks should go to the following individuals without whose help this meeting would not have been possible: Karen Bauer for the many hours she spent handling so many of the details, Anne Clark for assisting with the preparations, Brent Heath for providing the lovely daffodils for the tables, and Dr. Frank Perkins for generously allowing us to use the wonderful facilities in Watermen's Hall. We hope that our guests and other members of the Society will return to visit us in the future.

As with other chapters, spring is a busy time for us. We have scheduled a wildflower walk in Williamsburg, a canoe trip on the Dragon Run, an exhibit at the Dragon Run Folklife Festival, and our first plant and craft sale. (Please refer to the calendar of events for further information.) The program for our June meeting will be announced in the spring issue of the Clayton Quarterly, which will be published the first week in May.

Barbara Hall  
President

### Piedmont Chapter

Among the chapter's 1985 projects, we are presently involved in the design and planting of Great Meadow's centrally located "swale area." Nursery-propagated and home-grown seedlings are now enjoying the care of attending members before these plants are removed to Great Meadow. The swale planting will prominently feature locally native species selected to provide a maximum display of color when viewed from a distance—particularly during early May and late October.

### Blue Ridge Chapter

Our chapter continues to grow and now holds more than 90 memberships. We hope that many of you were able to join us for the Wildflower Pilgrimage, held April 26-28. We featured many beautiful areas on the 1985 walk schedule, several for the first time. Special emphasis this year was placed on the rare and endemic plants of our area.

We now have seven members on our Board of Directors and are beginning to put together our committees.

Our chapter is working on a joint venture with the Blue Ridge Parkway officials to establish several wildflower areas. The Roanoke Valley Science Museum has donated a tract of land for our use.

Paul James  
President

### WELCOME TO OUR SIXTH CHAPTER

During its April 2 meeting, the VWPS Executive Committee unanimously approved the petition for chapter affiliation submitted by Sarah Richardson of Richmond. We proudly announce the establishment of our new Pocahontas Chapter—already represented by more than 50 charter members.

The geographic area to be covered by Pocahontas Chapter includes the city of Richmond and the surrounding counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, King William, New Kent and Powhatan. Its logo is Tradescantia virginiana, Spiderwort.

Sarah Richardson led many months of efforts to establish our sixth chapter. Mary Mitchell, the Society's first Richmond-based member, has also figured positively in the chapter's early development. We further salute those members who have been elected to serve on its charter Board of Directors:

President . . . . .	Sarah Richardson
Vice President . . . . .	John Hayden
Secretary . . . . .	Marie Minor
Treasurer . . . . .	Roger Roe
Chair, Botany . . . . .	Ralph White
Chair, Education . . . . .	Cricket White
Chair, Landscape . . . . .	Betty Lottimer
Chair, Membership . . . . .	Pat Burrell
Chair, Propagation . . . . .	Nancy Swell
Chair, Publicity . . . . .	Dee Wood

We are very proud and pleased that the Society now embraces the outstanding membership of our Pocahontas Chapter. Welcome!



*Virginia Wildflower Preservation Society*

P.O. Box 844  
Annandale, Va. 22003

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# *Virginia Wildflower Preservation Society*



11<sup>11</sup>/<sub>84</sub>-10<sup>10</sup>/<sub>85</sub>

Directors of the Society  
and its Chapters

This Membership Directory is printed for the convenience of the members of the Virginia Wildflower Preservation Society (VWPS). It is forbidden to sell or reproduce the names, addresses or telephone numbers listed herein without the approval of the VWPS Board of Directors.

Changes or corrections of these listings should be directed to the VWPS Membership Chairman, P. O. Box 844, Annandale, VA 22003.

Summer 1985

# The Bulletin

Vol. 4, No. 3

A publication of the Virginia Wildflower Preservation Society

## YOUR HELP IS NEEDED AT GREAT MEADOW

We will need the assistance of many Northern Virginia members for the planting of thousands of wildflowers this September. Great Meadow, near The Plains, Va., is the lovely site of the Society's Regional Landscape Project. Featured below is an account of the project and those cooperative efforts which have made it possible.

Planting dates at Great Meadow:

(1) Saturday, September 7 (rain date - September 8)

(2) Saturday, September 21 (rain date-September 22)

Planting on both days begins at 9:30 a.m.. Please consider giving a day (or even half day) of your time to complete the plantings. We ask that you bring your own gloves, shovel and trowel. You may wish to bring a bag lunch. Cold drinks and lunch items are available at The Corner Store immediately opposite Great Meadow's entrance.

Please contact Deenya Greenland [in Warrenton, (703) 437-4010] or Mary Painter [in Annandale, (703) 573-7747] if you can join us on either or both planting dates. Directions: From Rt. 66, take exit to The Plains/Old Tavern. Off the ramp, turn left onto Rt. 245 toward Old Tavern. Go approx. 2 miles; turn left into Great Meadow's Summer House entrance at Members Gate. Great Meadow is located on Rt. 245, approx. 150 yds from its intersection with Rt. 17. Parking available at Summer House. The planting site is straight ahead in the middle of the steeplechase course.

## About the Great Meadow Landscape Project

Until recently known as "that big old crayfish field," Great Meadow was created in 1982 as the new 500 acre permanent home of the classic Virginia Gold Cup steeplechase meeting and other large field sports which cannot be accommodated by urban arenas.

Arthur W. Arundel personally bought and donated the property in perpetuity to the new non-profit Meadow Outdoors Foundation as open space for those events and educational projects involving wildlife and the environment. All proceeds derived from events will flow to community charitable organizations, primarily volunteer fire and rescue squads. The Meadows Outdoors Foundation features within its charter a commitment "to protect the visual order, flora and fauna, and the air and water resources of the Northern Piedmont area's regional watershed."

These concerns complement the goals and purposes of the VWPS. Furthermore, Great Meadow's sparkling fields and surrounding woods were soon recognized as outstanding host sites for the Society's first Regional Landscape Project. Great Meadows offers a permanent, protected setting for educational wildflower displays on the large scale. As thousands of spectators (and even television viewers) are drawn to Great Meadow events, our plantings become highly visible. Receiving the attention of wide audiences, our eye-catching displays are intended to promote the landscape value of native plants as well as foster public interest in their protection. The plantings will perennially yield seeds for use in other landscape projects, seed exchanges and propagating material for wildflower sales.

During a March, 1985, meeting involving our Piedmont Chapter Board members and Society president, 26 candidate wildflower species were selected for use within Great Meadow's large, centrally located, rocky swale area.

Many of the plants selected for the project appear within the 11/84 preliminary List of Vascular Plants of the Rappahannock Mountains, Fauquier County, Virginia. By sharing his list, the result of nine years of inventory work, Piedmont Chapter's Gary Fleming has helped us to determine those species which occur in the immediate area. Although our project will yield blooms through three seasons, we will provide maximum color for those events which

attract the greatest public attendance at Great Meadow. (The 1985 Gold Cup race meeting drew approximately 32,000 spectators in May.)

Plant selections for the landscape project were based on the following criteria:

- 1) Those native to Virginia, particularly species naturally occurring in Fauquier County's Warrenton/The Plains areas;
- 2) Those which appear in peak flower during early May and late October;
- 3) Those which are particularly well-suited to the micro-habitat conditions at the swale site; and
- 4) Those which would create the most dramatic color display when viewed from a distance.

Thousands of seeds have been donated to the project by members of several Society chapters. Some have been collected, with permission, from Fauquier County properties. Thousands of wildflowers (sown in flats this spring) have been transplanted into individual containers at Mary Painter's home in Annandale. The robust seedlings are being transported to the homes of several Piedmont Chapter members residing in relative proximity to Great Meadow. Our "seedling stewards" will carefully maintain the wildflowers until the September deliveries to Great Meadow. At this writing, our participating stewards include Jocelyn Alexander, Marjorie Arundel, Holley Green, Deenya and Tom Greenland, Wanda Long, and John and Phoebe White.

This stewardship plan is just one of many examples of cooperative effort provided the project by Piedmont Chapter members. Since spring, Deenya Greenland has gathered hundreds of pots and flats needed for our seeds and seedlings. Most of these were donated by Airlie Nursery. Orders for additional materials and potting media have been handled entirely by Holley Green. The recent gift of The Wildcat Foundation (see article in this issue) now enables the VWPS to purchase these.

Continued maintenance of the project site will be provided through the concerted efforts of our Piedmont Chapter and the small Great Meadow staff. The initial planting of the thousands of wildflowers grown and nurtured for this important project will require volunteer support of many.

We ask that our Northern Virginia members please note the Great Meadow planting dates featured above and spare some time for a rewarding day in the country.

- Mary Painter

#### FROM OUR CHAPTERS . . .

##### Potowmack Chapter

The Potowmack Chapter's Fall Wildflower Sale is set for October 5 from noon to 3 p.m. at Green Spring Farm Park. The sale is being held in conjunction with the GSFP Mum Festival which will feature arts and crafts and mum sales. Come and enjoy a fun festivity in a beautiful setting. Sunday, October 6 will be the rain date.

##### John Clayton Chapter

Our first chapter plant and craft sale was a big success, both financially and educationally. We gained several new members and generated new local interest in the Society.

The canoe trip on the Dragon Run was exciting, beautiful and fun! We had a great time and hope to schedule other trips in the future.

The program at our June meeting was presented by Wesley Greene, Landscape Supervisor for Colonial Williamsburg. He presented a fascinating and informative look at how native plants were used in Colonial America for medicinal and decorative purposes.

We are currently preparing to take our exhibit to several local events. Also, we are planning our annual chapter picnic to be held at York River State Park on Sunday, August 25th. VWPS members from other chapters are invited to attend.

Our chapter annual meeting is scheduled for Thursday, October 17th, 7:30 p.m. in the Watermens' Hall Auditorium, VIMS, Gloucester Point. The speaker will be Ranger Gary Williamson from Northwest River Park in Chesapeake. We understand that he has an excellent wildflower slide program.

If you would like to join us for any of these activities, please call me at (804) 693-4433 evenings (after dark) for more information.

Barbara Hall, President

#### FROM CONSERVATION . . .

##### Endangered Species Appropriations

Concerning funding for endangered species programs, the House Appropriations Subcommittee marked up a bill on June 20. The subcommittee was generous to Fish and Wildlife Service domestic programs, but less so to others. Its actions are summarized below:

<u>Program</u>	<u>*NRDC/coalition goal</u>	<u>House Bill</u>
FWS		
species listing	\$3.967 m	\$3.467 m
recovery	\$6.735 m	\$6.535 m
state coop programs	\$6 m	\$5.72 m
law enforcement	\$7.963 m	\$8.363 m
Western Hemisphere Convention	\$150,000	\$110,000
BLM		
endangered species	\$5 m	\$2.7 m
Forest Service		
endangered species	\$5 m	\$2.5 m
National Park Service		
international program	\$300,000	0

##### \*Natural Resources Defense Council

The \$110,000 for FWS/Western Hemisphere may be supplemented by additional money already in the Administration's budget. However, in past years it has proved very difficult to obtain any money not specifically earmarked for this purpose. Any cut is of concern, especially as the FWS is beginning to support more programs to conserve rare plant species in Latin America. One project would help Mexicans learn to propagate rare, slow-growing cactus species eagerly sought by collectors; the U.S. imported nearly 100,000 wild-dug cacti from Mexico in 1984.

Please write to members of the Senate Appropriations Subcommittee on Interior to ask for more money for the BLM and Forest Service endangered species program. BLM now manages the habitats of over 100 listed species, 65 animals and 35 plants. Forest Service is responsible for about 165 species, 23 of them plants. Also ask that report language not tie those "T&E" funds to large birds and mammals to the exclusion of plants and less conspicuous animals (especially including fish). Finally, please ask for an appropriation for the National Park Service international program.



1985 ANNUAL MEETING/GALA AUCTION

Dear Members,

As you may have already noted within the recently mailed special notice, the Society's 1985 Annual Meeting will be held at the lovely Wintergreen resort on September 15th. Set atop the Blue Ridge Mountains, 40 miles southwest of Charlottesville, Wintergreen provides an ideal weekend getaway setting for Sunday's exciting activities. For those interested in cool mountains and breath-taking views, a guided wildflower hike is scheduled for the morning. Following a brief business meeting at noon, we will enjoy an excellent presentation by our featured speaker, Ken Moore, Assistant Director of the North Carolina Botanical Garden at Chapel Hill.

The beautiful Mountain Lodge facilities and Blue Ridge Terrace at Wintergreen will definitely add to the outdoor appeal of our Reception and Gala Auction.

**BRING FAMILY AND FRIENDS  
FOR THE BEST ANNUAL MEETING EVER!!**

Encouraged by the very positive responses to our 1984 Gala Auction, we are enthusiastically building an even more appealing event for this September. Much of its success will again depend upon the support and creativity of our members. Photos, artwork, furnishings, antiques, handcrafted items, gourmet items, botanical services, accommodations, event tickets, garden delights, books—these are only a few examples of items or services we will gratefully welcome as auction donations.

Please rummage through the attic or your imagination for that special little something for our important fundraising event! Contact Mary Painter, c/o P. O. Box 844, Annandale, VA 22003 - (703) 573-7747 by August 30th if you wish to contribute to the 1985 Gala Auction.

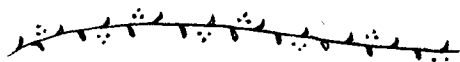
- Mary Painter

\* \* \* \* \*

VWPS Directors and fellow members enjoyed the hospitality of our Blue Ridge Chapter during the Society's Spring Field Trip weekend of June 1st and 2nd.

On Saturday, Rich Crites, Sam and Dora Lee Ellington led field trip participants through the Arcadia area's core forest. While the first days' walk drew to a close, the president's gavel sounded adjournment of the VWPS Board of Directors quarterly meeting at the Peaks of Otter Lodge in Bedford, Va. There, our Blue Ridge Chapter hosts graciously provided an enjoyable evening cookout.

All reconvened the following morning for a visit to the Blue Ridge Parkway's highest elevation in Virginia—the North Apple Orchard Mt./Thunder Ridge area. Sunday's field trip leader, Dorothy Bliss, then directed members to the James River Park for a last walk and picnic. Special thanks and praise were extended to Blue Ridge president Paul James and fellow chapter Board members for putting together an outstanding field trip weekend, delicious cookouts, as well as excellent lodging and meeting facilities.



Special thanks go to Cole Burrell and Karen Sorenson of our Potomack Chapter for their participation in the planning and planting of the 1984 Gala Auction's Wildflower Garden. They joined Mary Painter in locating approximately 175 wildflowers (40 different species) within two small garden settings at the residential property of winning bidders Jerry and Grace Lieberman.

We are grateful to those Northern Virginia-area members who contributed plants from their own gardens for the June 15 planting. The results are indeed lovely. The Lieberman's new woodland and sunny garden beds now display the very attractive results of your generosity and cooperation.



\* \* \* \* \*

During the VWPS Director's spring meeting, Mary Painter welcomed two new Board members: Dorothy Bliss as Acting Botany Chair and Betty Lottimer, who was selected to serve as Director-At-Large for the remainder of the 1984-85 year. Betty replaces former Director Mary Mitchell who was unable to complete her term on the Board.

Our thanks go to Mary for her support and best regards for her continued good work on behalf of the Richmond Horticultural Association.

\* \* \* \* \*

We happily announce the appointment of Toni Cripps, a long-standing member of our Prince William Chapter, as Curator of the VWPS Signature Slide Collection AND Librarian. Toni will house the Society's slide and book collections, update and upgrade our present catalogue systems. Toni will also steer the development of the Society's Library Loan Program. Welcome, Toni!

VWPS TO GO VIDEO

Television and video production are still a new-enough educational media for most of us to find exciting. VWPS wants to take advantage of opportunities in this field to produce some programs to spread our message to a wider audience. The VWPS Education Committee is making arrangements with Fairfax Cable Access Corp. for some video programs. The first will probably be a 30-minute program outlining our history, objectives and showing some of our activities such as field trips, survey landscaping, and propagation.

We VWPS members will be able to learn how to produce, script, stage, and film video programs for public cable TV. While the first work will take place in Fairfax County, experience gained and programs taped here will be available to all our chapters.

Everyone who has TV production skills, or wants to learn, is invited to be a participant. No dollar cost but a time-and-enthusiasm commitment are required. Please volunteer to Doris Berger, Education Chair, (703) 273-3324 or write 3509 Perry St., Fairfax, VA 22030.



AHS PRESENTS FIRST  
WILDFLOWER REDISCOVERY AWARDS

The American Horticultural Society announced the presentation of its first wildflower Rediscovery Awards to five individuals who have discovered new populations of extremely rare species of wildflowers.

New populations of the plant, sandplain gerardia, Agalinis acuta, were discovered on Long Island by Bob Zaremba, a botanist for the New York Natural Heritage Program. Although sandplain gerardia was once found in Connecticut, Rhode Island, New York, and Massachusetts, by 1978 botanists feared that the species had become extinct. Apparently, fire control and development were responsible for the decline of the species, which was once found in the open, grassy habitat characteristic of areas that are periodically cleared by natural fires. Two very small populations were discovered in cemeteries in Massachusetts, where regular, intermittent mowing had preserved the open conditions required by fire dependent species. However, no new populations of the plant were discovered until the fall of 1984 when Zaremba discovered one small and one large population. The discovery of 1,000 to 2,000 additional plants is very significant, since it doubles or triples the known population of the species.

Running buffalo clover, Trifolium stoloniferum, was rediscovered in West Virginia by Rodney Bartgis, a botanist at The Nature Conservancy West Virginia Field Office. This species had not been seen anywhere in the wild since 1940, although it had once been found in the Ohio and Missouri River Basins. The U.S. Fish and Wildlife Service Office had ranked the species as possibly extinct until Bartgis discovered four plants which were located in two sites in West Virginia. Today, 25 plants are known from two sites.

The rare aquatic plant, Bacopa stragula, mat-forming water hyssop, was found in Virginia by Larry Morse, National Research Associate at The Nature Conservancy, and Steve Croy from the Virginia Natural Diversity Program. These plants occurred in Maryland and Virginia at one time, but had not been seen since 1941. Two other populations, located after the initial discovery, bring the total known population of the species to about 100 plants. Arrangements are being made by The Nature Conservancy to protect these plants.

Several significant discoveries have been made in recent years by the staff of the Oregon Natural Heritage Program. Jimmy Kagan rediscovered three species in Oregon, none of which had been seen in the wild for many years: Oregon semaphore grass, Pleuropogon oregonus; Applegate's milkvetch, Astragalus applegatii; and rough allocarya, Plagiobothrys hirtus.

All of the recipients received certificates and rewards from the American Horticultural Society's Wildflower Rediscovery Project Fund.

The American Horticultural Society, a national non-profit organization for gardeners, is vitally interested in the conservation of plants. Experts estimate that one-tenth of the species and varieties of plants native to the continental United States are in jeopardy. To increase awareness of endangered plants and to promote plant conservation, the Society instituted its Wildflower Rediscovery Project and published its 1985 Endangered Wildflowers Calendar. Funds from the calendar sales are being used to support conservation projects. Public response to the Wildflower Rediscovery Project and to the calendar has been overwhelming. The 1986 Endangered Wildflowers Calendar will be available in the late summer at the retail price of \$6.95. AHS members may purchase the calendar at the discounted price of \$6.95. Both include postage and handling.

For information about membership in the Society or the 1986 Endangered Wildflowers Calendar, please write to: AHS, P. O. Box 0105, Mount Vernon, VA 22121, or call (703) 768-5700.

FIRST BOTANISTS OF VIRGINIA:

REVEREND JOHN BANISTER, FVB (1750-1792)

(The first in an occasionally-appearing series on botanists in early Virginia)

The seventeenth century was a time of tremendous cultural explosion and geographic exploration. A new world of plants waited for English plant hunters. Many were clergymen who served under the Bishop of London, Henry Compton. Compton had jurisdiction over the English colonies and the episcopal seat, Fulham Palace (already a repository of foreign flora collected during the reign of Queen Elizabeth I). This Bishop sent out all his resident pastors and travelling missionaries with instructions for supplying their Lord Bishop with new world plant material.

One of these clergy/plant collectors—perhaps the earliest, best known, and most enthusiastic—was the Reverend John Banister.

Apparently nature study was dear to his heart as a friend wrote of him that he was "a gentleman pretty curious in these things." John's early travels as a missionary were extensive. He visited both the East Indies and South America. No records exist to show us that his proselytizing was a success but as a botanist much was accomplished. He discovered the only plant named for him—a graceful, silvery-leaved vine, Banisteria argyrophylla—on his trip to Brazil.

John Banister's greatest contribution to botany rests on his work in the then colony of Virginia. Bishop Compton sent him to Virginia in 1678 to serve as a parson in Charles City County. At a time when the English were clinging to the edge of Tidewater, Banister took time from his pastoral duties for far-faring plant collecting trips. He wrote Compton long letters full of botanical news and sent plants and seeds for use in the Fulham Palace gardens. (Visitors to England may still enjoy these gardens.)

Among the new specimens Banister introduced to England are the Sweet Bay Magnolia (Magnolia virginiana L.), purple coneflower (Echinacea purpurea), and Virginia bluebell (Mertensia virginica). This last introduction is known to the English as the Virginia cowslip.

Banister's irreplaceable contribution to botanical science from a 1980's standpoint is the body of his written work. His Catalogue of Plants Observed By Me In Virginia was published in 1688 by John Ray as the second volume of Historia Plantarum. This Catalogue is credited as being the first printed account of American flora. He also left behind a large collection of written description and drawings of Virginia plants. His contemporaries drew heavily on this material, most notably Robert Beverley, who reproduced the drawings and used passages from Banister's notes verbatim in a natural history of Virginia.

John Banister was one of the group who planned the establishment of William and Mary College. We also have a river named for him, the Banister, that flows near the Virginia/North Carolina border.

An untimely death awaited John. Banister died when he was 42 years old. One authority calls him "one of the first botanical casualties" since, according to one perhaps apocryphal account, he was climbing a steep cliff while plant hunting and "fell from the rocks and perished." Another account says he died of an accidental gunshot wound.

(This material was taken from Dutton, Plants of Colonial Williamsburg, 1979; Healy, The Plant Hunters, 1975; and Whittle, The Plant Hunters, 1970.)

- Doris Berger



## PROPOSED BYLAWS AMENDMENTS

As requested by the VWPS Board of Directors at its September 27, 1984 meeting, the Nominating Committee reviewed the Society's Bylaws and prepared amendments to cover withdrawals by nominees prior to taking office. The amendments also include corrections of errors in transcription from the last amended version. They were approved at the June 1, 1985 Board of Directors meeting, and are recommended for adoption by the general membership.

Upon adoption at the Annual Meeting on September 15, 1985, the proposed amendments will become effective in the ensuing fiscal year. As amended, the wording of applicable Bylaws Sections is as follows [deletions are shown thusly - (Constitution)] and Section headings and additional provisions are shown thusly - Composition of the Board:

### Article V

#### Board of Directors

Section 1. General Powers. The Board of Directors shall be the governing body of the Society, empowered to determine its actions and policies.

Section 2. Qualifications to be a Director. Any member of the Society actively engaged in the conservation of Virginia's wild plants may be elected to the Board.

Section 3. (Constitution)Composition of the Board. The Board shall ~~(consist)~~ be composed of the officers of the Society, not fewer than three (3) nor more than six (6) Directors-at-large, the chairmen of all standing committees and, ex officio, the chairman of the Nominating Committee and, from each chapter, the chapter President or another elected officer designated by the chapter. There shall be no fewer than nine (9) Directors.

Section 4. Elections. Officers, Directors-at-large, and standing committee chairmen shall be elected at the annual meeting. The Nominating Committee shall prepare a slate of one (1) or more candidates for each ~~(each-at-large)~~ position to be filled, which shall be sent to members at least ninety (90) days before the scheduled date of the annual meeting. Additional candidates may be nominated, provided their consent is obtained, by a petition signed by no fewer than fifteen (15) members of the Society and filed with the Nominating Committee not less than fifty (50) days before the scheduled date of the annual meeting. The ballots sent to members with notice of the annual meeting shall incorporate the names of persons nominated by petition, without special designation, in alphabetical order with names on the Nominating Committee slate, and shall be accompanied by a short statement of the qualifications of each candidate. If one of several nominees for a specific position withdraws before the annual meeting, the ballots shall designate a majority of the Nominating Committee as proxy empowered to vote for another nominee on the slate for that position. Approval of such proxy shall not preclude a member from voting if present at the annual meeting. Members present at the annual meeting shall vote on the nominees by secret ballot. The plurality of all present and proxy votes cast shall be sufficient to elect. If the only nominee for a specific position on the slate withdraws before being elected at the annual meeting, or if a nominee, having been elected withdraws before taking office, the position shall be filled as provided by Article VI, Section 2.

Section 5. Tenure and Classes of Directors. Officers, chairmen of standing committees, and Directors-at-large shall be elected for a term of three (3) years, commencing at the beginning of the fiscal year following the annual meeting at which they are elected. These Directors shall be divided into three (3) classes, equal in number, one of which shall be subject to election each year. ~~(Upon election to this position,)~~ The chairman of the Nominating Committee shall become a member of the Board, and shall serve until the beginning of the next fiscal year. The President or other designated officer of a chapter shall be a member of the Society's Board throughout the term of office prescribed by that chapter.

(no change in Sections 6 through 10)

### Article VI

#### Officers

Section 2. Vacancies. In the event of the death or resignation of the President, the resulting vacancy shall be filled by the First Vice-President. In the case of a vacancy in the position of any other officer, Director-at-large, or standing committee chairman, the unexpired term shall be filled by a majority vote of the Board on a slate of candidates submitted by the Nominating Committee. This slate shall be presented at the first regularly scheduled meeting of the Board following the vacancy. Any Board member thus elected shall hold office until the end of the fiscal year.

### Article VIII

#### Nominating Committee

Section 1. Composition. The Nominating Committee shall be composed of six (6) members of whom at the time of their election three (3) shall be directors and three (3) shall be members of the Society who are not members of the Board.

Section 2. (Selection) Election of Nominating Committee Members. Members of the Nominating Committee shall be elected to serve for a term of three (3) years. After serving a full three (3) year term, members shall be ineligible to serve another term for one (1) year. ~~(Each year, at the first regular Board meeting following the annual meeting, the Board shall elect one (1) of its members to the Nominating Committee.)~~ At each annual meeting the membership shall elect one (1) member of the Nominating Committee from a slate prepared by the Nominating Committee of one (1) or more nominees ~~(who are not members of the one (1) member of the Nominating Committee from a slate prepared by the Nominating Committee of one (1) or more nominees)~~ who are not members of the Board. Additional candidates may be nominated, provided their consent is obtained, by a petition signed by no fewer than fifteen (15) members of the Society and filed with the Nominating Committee not less than fifty (50) days before the scheduled date of the annual meeting. At the first regular Board meeting following the annual meeting in each year, the Board shall elect one (1) of its members to the Nominating Committee.

Section 3. Vacancies. To fill a vacancy in a Board position on the Nominating Committee, the Board shall elect one (1) of its members to fill the unexpired term. The Board shall appoint a member to fill a vacancy in a non-Board position on the Nominating Committee until the next annual meeting, at which time members of the Society shall elect a replacement to fill the unexpired term from a slate prepared by the Nominating Committee.

Section 4. Selection and Term of Chairman. Within two (2) months after the annual meeting, the Nominating Committee shall choose a chairman from among its members who have served at least one (1) year. A Nominating Committee member may serve as chairman no more than one (1) year during any term.

Section 5. Quorum. Three (3) members of the Nominating Committee, including at least one (1) member elected by the Board and one (1) member elected by the membership, shall constitute a quorum.

Section 6. Duties. Each year the Nominating Committee shall prepare a slate of nominations for officers, Directors-at-large, chairmen of standing committees, and members-at-large of the Nominating Committee. The slate shall be transmitted to the Recording Secretary for distribution to the membership as prescribed in Article V, Section 4.

## Article XII

### Seal

Section 1. The corporation shall have a common seal upon which shall be inscribed:

Virginia Wildflower Preservation Society  
(Incorporated) Corporate Seal 1982  
Virginia"

(Adopted, as amended, at the 1985 Annual Meeting)

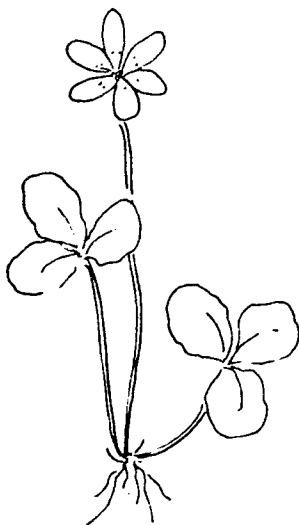
### THANKS AGAIN

The Society is again the recipient of the outstanding support of The Wildcat Foundation. VWPS received in June a gift of \$1,500.00 from the Foundation, with the specification that \$500.00 of that gift be used to complete the Society's regional landscape project at Great Meadow, near The Plains, Va. The remaining \$1,000.00 was intended for general support of the Society.

The donation was generously matched by a gift of \$1,500.00 from Mrs. Jocelyn Alexander.

The contributions of Mrs. Alexander and The Wildcat Foundation have significantly enhanced the early development of the VWPS and will now, again, help to ensure its continued growth. During its quarterly meeting on September 14th, the VWPS Board of Directors will review recommendations in regard to the specific uses of these gifts.

- Mary Painter



### CONSERVATION POSITIONS NEEDED IN OUR CHAPTERS

Nominating Committees at the state and chapter levels are now striving to fill 1986 slates of officers and chairmen with the finest available candidates. The VWPS Executive Committee asks that our chapters' Directors consider, if they've not done so already, the creation of a Conservation Chairman position. While monitoring or taking action on conservation issues, we face an increasing need to establish direct, effective links between the Society and its chapters. At the chapter level, the role of Conservation Chair may or may not necessarily be created as a Board position.

Chapter Directors are asked to consider the following responsibilities recommended for those who would be elected or appointed as Conservation Committee at the chapter level:

- 1) Identify and regularly monitor local media, public hearings or events which may affect plant conservation.
- 2) Interact with the state-level Conservation Chairman and corresponding chairmen of other Society chapters on conservation issues.
- 3) Regularly inform chapter members (through newsletter writings or separate correspondences) about environmentally sound practices or current conservation issues. Co-ordinate any chapter action taken on conservation issues.
- 4) Serve as liaison with other conservation groups and government agencies.

Mary Painter

### CALENDAR

Saturday, Sept. 7	9:30 a.m. Planting day at Great Meadow, The Plains, Va. (see article). Rain date: 9:30 a.m., Sunday, Sept. 8.
Saturday, Sept. 14	9:30 a.m. VWPS Board of Directors meeting, Wintergreen, Wintergreen, Va.
Sunday, Sept. 15	9:00-11:00 a.m. Guided Wildflower Walk at Wintergreen. Meet at Wintergreen resort's Mountain Lodge courtyard. Ask at Check-in desk. 12:00 Noon. VWPS Annual Meeting, to be followed by featured speaker, Reception and Gala Auction at Wintergreen. Box lunches available by advance order. Cash bar opens during Reception. (See special Annual Meeting mailing)
Saturday, Sept. 28	Prince William Chapter's annual meeting at Bethel Luthern Church. Registration at 1:00 p.m., meeting at 1:30 p.m. Speaker, seed exchange and plant sale.
Saturday, October 5	Potomack Chapter Fall Wildflower Sale, noon to 3:00 p.m. at Green Spring Farm Park. Rain date: October 6.

## VWPS LONG RANGE PLAN NEARS COMPLETION

The first Virginia Wildflower Preservation Society Long Range Plan is nearing completion. In August, the Long Range Planning Committee is editing and combining write-ups of fifteen long range goals formulated at the Society's Planning Retreat held in March 1985. These plans will be reviewed by Society Board Members and Chapters this autumn before being formally adopted. The Long Range Planning Committee is recommending that this type of planning become a regular Society activity, perhaps to be held yearly.

After the planning retreat, participants were asked to rank the goals they set forth at the retreat. These goals appear below (some will be reworded slightly in the draft plan). Under each category, the ranking reflects a rough consensus of meeting participants. Each goal is followed by the member or members who wrote up a plan to meet that goal.

### A. Administrative Goals

1. Develop a reliable source of income to cover the operating expenses of the Society. - Jocelyn Alexander and Linda McMahan
2. Increase VWPS memberships to 1,000 in two years and 2,000 in five years; form ten new Chapters in five years. - Mary Painter .
3. Develop a process for Society budget preparation that more accurately reflects the goals of the Society and reflects the ongoing planning process. - Eric Herst

### B. Program Goals

#### Conservation (Highest Priority Program Goals)

1. Provide increased legal protection of Virginia native plants under the Virginia endangered species act and appropriate Federal laws. - Faith Campbell
2. Develop conservation awareness of our native plants among both our individual members and the public at large. - Linda McMahan
3. Develop conservation programs relating to local, Commonwealth, and national issues at all levels of the Society. - Faith Campbell
4. Create and publicize a wildflower preservation code of ethics. - Marion Blois

#### Education

1. Develop programs that promote the recognition, appreciation and concern for the protection of our native plant species. - Elaine Haug
2. Promote the use of native plant species in an ecologically sound manner and discourage the use of invasive plant species in the Commonwealth. - Mary Painter
3. Develop educational programs that incorporate an awareness of the interdependence of environmental factors relating to our native flora and all life on earth. - Claudia Thompson-Deahl
4. Encourage the cooperation and involvement of botanists throughout the Commonwealth to support the goals of the Society. - Marion Blois
5. Increase programs to provide youth with information, appreciation, and knowledge of our native flora and ecosystems. - Claudia Thompson-Deahl and Eric Herst

#### Rescue and Working with Developers

1. Work with developers to save native species and their habitats. - Ed Ballard and Bee Smith
2. Develop strategies to enhance preservation of native plants and habitats subject to development. - Ed Ballard
3. Develop standard guidelines and information on rescue of native species. - Ed Ballard



### IT'S RENEWAL TIME!

To assure uninterrupted membership and continuing support for the Society, please clip the form below and send it with a check payable to VWPS to

VWPS Membership  
P. O. Box 844  
Annandale, VA 22003

Please renew my membership

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

ZIP \_\_\_\_\_

Phone: H ( ) \_\_\_\_\_ W ( ) \_\_\_\_\_

Please enroll me as

A member of \_\_\_\_\_ Chapter

\_\_\_\_\_ An At-Large member

Enclosed is

_____ \$5.00 Student	_____ \$100.00 Sustaining
_____ \$5.00 Senior	_____ \$250.00 Life
_____ \$10.00 Individual	_____ \$125.00 Corporate Sponsor
_____ \$15.00 Family	_____ additional contribution to
_____ \$25.00 Patron	_____ Chapter
_____ \$50.00 Supporting	_____ VWPS

## CONSERVATION AWARDS PROGRAM

Dear Conservationist:

For the 20th consecutive year the Virginia Wildlife Federation will again sponsor its Conservation Awards Program. In this, the 35th year of the Federation's existence, it seeks an even broader scope to achieve its purpose of encouraging, promoting and recognizing conservation activities in various fields.

In the past, Virginia has produced several state and national winners and we are anxious to continue our excellent record.

Your knowledge of individuals or groups directly engaged in conservation activities will enable us to honor and recognize dedicated conservationists, thereby setting an example and encouraging others.

You may nominate a deserving individual or group, providing them an opportunity for state and national recognition in advancing the cause of conservation in Virginia. Consider any person or group you know to have been directly involved in outstanding conservation efforts in the Commonwealth during the past twelve months, and submit their qualifications to reach our office at the address shown below not later than August 31st.

Only through your interest and efforts, and those like you, can this program continue to succeed as it has in the past. Should you need information or forms, please call or write us, and we will be glad to assist you.

We want this year's program to be the biggest and best ever! Your special effort and submission of nominations will make that possible, and will be very much appreciated.

Yours in conservation,

/s/ Chuck Traub  
President  
Virginia Wildlife Federation  
4602-D West Grove Court  
Virginia Beach, VA 23455  
Phone: (804) 464-3136

## MEMBERSHIP BALLOT

The enclosed ballot covers three subjects:

- Slate of nominees for the VWPS Board of Directors
- Proposed Bylaws amendments
- Two candidates for the Nominating Committee

Please note the voting instructions on the reverse side of the inserted sheet and bring your ballot to the Annual Meeting or mail it to the Corresponding Secretary.

## PUBLICATIONS AND GIFT LIST UPDATE

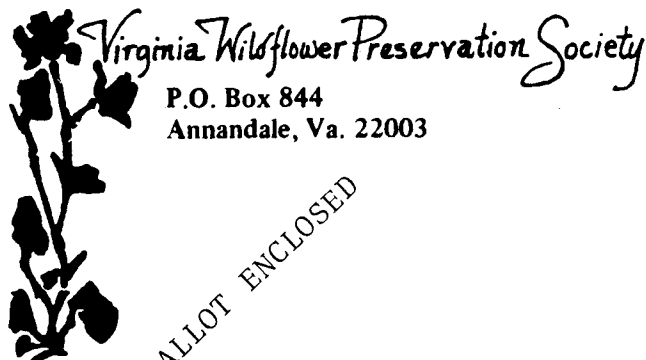
The following five wildflower titles, featured on the recently issued VWPS Publications & Gift List, are now available through the VWPS:

P&G List Item #	Title, Description, Price
3 . . . . .	Growing and Propagating Wildflowers by Harry Phillips of the North Carolina Botanical Garden. We recommend this newly-released book as the definitive reference for wildflower gardeners. \$14.95.
4 . . . . .	Spring Wildflowers of West Virginia by Earl L. Core. 1981. \$4.95.
5 . . . . .	Trees and Shrubs of Virginia by Oscar W. Gupton and Fred C. Swope. 1981. \$10.95.
6 . . . . .	Wildflowers of the Shenandoah Valley and Blue Ridge Mountains by Gupton and Swope. 1979. \$10.95.
7 . . . . .	Wildflowers of Tidewater Virginia by Gupton and Swope. 1982. \$10.95.

Please indicate item # and title when ordering. Send your check, payable to VWPS, along with your order, to: VWPS Public Information Officer, P. O. Box 844, Annandale, VA 22003.

PLEASE REMEMBER TO ENTER  
THE 3rd ANNUAL PHOTO CONTEST.  
CALL ELAINE HAUG FOR DETAILS

(703) 670-2347



P.O. Box 844  
Annandale, Va. 22003

BALLOT ENCLOSED

Non-Profit Organization  
U.S. POSTAGE  
PAID  
PERMIT NO. 347  
SPRINGFIELD, VIRGINIA



A publication of the Virginia Wildflower Preservation Society

#### FROM CONSERVATION . . .

#### VIRGINIA TO LIST ADDITIONAL PLANT

Dear Members,

When the station wagon is loaded with the files presently quartered in our master bedroom, there will probably be time at last to ponder the last three-and-a-half years. I'd rather just say here that it's been a privilege to serve as your president.

Given the commitment of many extraordinary people, we have together put together an organization built to last. Among our milestones, the Long Range Plan, carefully developed in this year, will help us to effectively carry forward the Society's goals. Santa will have nothing on the VWPS as our Administrative Handbook arrives well in time for the holidays.

Our chapters have demonstrated, through ingenuity and resolve, what can be gained by seeds and a plot of ground, a newsletter, a slide projector, a letter to their congressman. You, our members, have distinguished yourselves through many volunteer roles—big and small. You constitute what has rapidly come to be regarded as a model native plant society. Without you, we are merely a good intention. Without your participation, our Virginia flora will have lost a lot of ground.

I thank my fellow VWPS Directors for your precious gifts—and for the newly-created Endowment Fund to which you so generously pledged your contributions. I consider your friendship a great personal reward. I hope you will look back with pride to the accomplishments and fun we've shared.

Our Society will flourish under the leadership of Mary Pockman and an outstanding Board of Directors. Mary is a proven leader, a creative administrator. While she has already left her mark of excellence on most every aspect of our work, I sense that we will soon realize the full measure of her talents. With great respect for those who carry on, it will be a pleasure to ponder our future and, by your leave, to return to the files.

*Mary Painter*



Another species of plant found in Virginia will be listed by both the U.S. Fish and Wildlife Service (FWS) and the Virginia Department of Agriculture and Consumer Services (VDACS) as endangered.

Peter's Mountain mallow, *Liamna corei*, is known from only one population in Giles County, Virginia. The plant is perennial, reaches 36 inches tall, and has large rose or light pink flowers in late July and August. The population is found on private land. The primary threat to the species is encroachment of competing vegetation, especially the exotic Canadian leafcup, *Polymnia canadensis*. Plants, fruits, and seeds have also been collected for home gardens.

*Liamna corei* was once considered to be conspecific with a somewhat more widespread relative, *L. remota*; however, the FWS has followed Earl E. Sherff in deciding that it is a separate species. (*L. remota* is also a candidate for listing under the U.S. Endangered Species Act.)

The FWS published a proposal to list *L. corei* on September 3, 1985; the process will probably take six to twelve months. The VDACS is considering listing the species under the state Endangered Plant and Insect Species Act; at its September meeting, the Board instructed the Commissioner to proceed under the Administrative Process Act.

Faith Campbell, Chairman  
Conservation Committee

\* \* \* \* \*

We received the following memorandum from Faith Campbell of the Natural Resources Defense Council:

"Poaching of attractive plants continues. This summer an estimated 700 plants of the orchid *Habenaria* (*Platanthera*) *blephariglotis* were taken from a preserve in Titus Bog in northwestern Pennsylvania. Unfortunately, Pennsylvania's plant protection law is still being drafted. However, I think we should use this incident to remind every gardener that native orchids offered for sale are always wild-collected, and may be obtained illegally."

FROM OUR CHAPTERS . . .

Potowmack Chapter

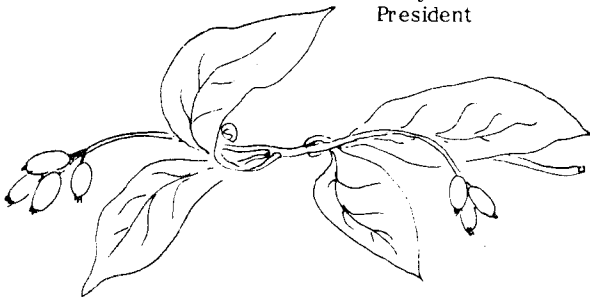
The chapter has adopted a logo combining the ebony spleenwort and the common violet. Final drawings are now in preparation.

A new cooperative use agreement between the chapter and the Fairfax County Park Authority has gone to the FCPA Director for signature. The major revision, approved by the VWPS Board last winter, is replacement of the VWPS by the chapter as a party to the agreement; the general provisions of the agreement remain the same.

Education Chair Dorna Kreitz has sent area garden clubs a packet of materials with a letter introducing their local plant conservation organization. It's the chapter board's hope that this will pique the interest of some garden clubs and open opportunities for us to talk with them about wildflowers and conservation. Dorna is also developing an attractive sales receipt that will incorporate the chapter logo and a brief statement about conservation.

Potowmack Chapter's fall plant sale was held October 5 at Green Spring Farm Park, Annandale.

Mary Pockman  
President



Barbara Hall  
President

John Clayton Chapter

Our chapter was recently featured in an article appearing in the Daily Press: "Wildflowers Get Boost From Group." As a result of this publicity, we filled several requests for membership information.

Our September Board of Directors meeting was held at the Peninsula Nature & Science Center, soon to become the Virginia Living Museum. The facility will be the only one of its kind on the east coast, featuring living native plants and animals in naturalized settings. Our chapter is developing a cooperative agreement with the Museum in which we will provide native plants from our rescue projects, as well as seeds and plants grown by our members. We are very excited about this project and the resulting favorable exposure for the VWPS and its educational goals.

Our chapter's second annual meeting was held October 17 in the Watermen's Hall Auditorium, VIMS, Gloucester Point. The speaker, Gary Williamson, presented a slide program on "Tidewater Wildflowers."

Editor's note: Our John Clayton Chapter was very well represented within the Daily Press article noted above. Any members wishing a copy of the article may send a SASE with their request to the VWPS Public Information Officer, P. O. Box 844, Annandale, VA 22003. Congratulations to Barbara and your outstanding chapter.

Editor's Note: In lieu of a chapter report, we share with our members excerpts from a letter recently written by Piedmont Chapter president Deenya Greenland. Her letter clearly reflects the chapter's stand on a local conservation issue originating in the Linden area of Warren County, Virginia.

Piedmont Chapter of the VWPS  
Post Office Box 336  
The Plains, VA 22171

Mr. Richard H. Cross, Executive Director  
Commission of Game and Inland Fisheries  
P. O. Box 11104  
Richmond, VA 23230

Re: Proposed Microwave Tower -  
G. Richard Thompson Wildlife Management Area

Dear Mr. Cross:

The Piedmont Chapter of the Virginia Wildflower Preservation Society, representing Fauquier, Loudoun, and Warren counties, wishes to express its strong opposition to attempts by ITT to construct a microwave radio transmission tower within the G. Richard Thompson Wildlife Management Area.

The Warren County Board of Supervisors cast its vote in opposition to this tower construction. The local property owners are strongly opposed to it. . . . The destruction of migratory birds' (habitat) . . . would be inevitable if such a tower were to be constructed in this area. We ask that you uphold the wishes of local citizens as expressed through their elected officials. We also hope you will uphold the mandate of the game commission in protecting the wildlife of the area.

This Society wishes to point out . . . that the area is of botanical importance in addition to its value for wildlife management. Each spring, people from miles around flock to the mountain to enjoy a stand of trillium that is one of the most spectacular wildflower displays in the east. Numerous rarer and interesting native plant species are also there, benefiting from Game Commission protection. . . .

We feel the construction of a microwave tower would seriously damage one of the great natural areas in the Piedmont. As it is now, it is a place where hunters, wildflower enthusiasts, serious botanists, birders and many others . . . can benefit from the efforts of the Department of Game and Inland Fisheries to enhance wildlife.

I am of the belief that State property means being owned by the people. With an issue of such magnitude, I should think a statewide referendum might be in order. I can see no benefits for the majority of people either by way of beauty, usefulness or by way of tax relief. . . .

Very sincerely,  
/s/ Deenya Greenland  
President

Enclosure

## NEW VWPS CHAPTERS ARE FORMING

A VWPS chapter organizational meeting is scheduled for 7:00 p.m., Tuesday, November 5, at the Gordon Avenue Library in Charlottesville, Virginia. Proposed areas for our seventh chapter are the counties of Albemarle, Fluvanna, Nelson, and Orange. If you wish to learn more about the organizational meeting, contact Ann Regn, VWPS Chapter Coordinator: Rt. 1, Box 283, Palmyra, VA 22963. (H) 804-589-3728/(O) 804-973-9045.

Other members of our outstanding VWPS Steering Committee in the Charlottesville area are: Gay Bailey of Charlottesville, Doug Coleman of Crozet, Bob Grese of Charlottesville, Elizabeth Solomon of Howardsville, and David Tice of Afton. Ted Scott of Orange, Virginia, has also been asked to represent Orange County on this committee.

A VWPS Steering Committee for the development of a middle Shenandoah Valley chapter is now being organized by Dr. L. Michael Hill, Professor and Chairman of Biology at Bridgewater College, Bridgewater, VA 22812. (H) 703-828-2405/(O) 804-828-2501. As VWPS Chapter Coordinator, Michael is heading up a steering committee which will direct the formation of our eighth chapter. Proposed chapter areas: the counties of Augusta, Rockingham, and Shenandoah. The steering committee members will meet on the evening of Wednesday, November 6. Outgoing Society president Mary Painter will participate in these early November meetings as a VWPS liaison to both developing chapters.

### Fellow Society members:

If you know of interested persons residing in the proposed chapter areas noted above, please forward their names and addresses to Mary Painter or the pertinent chapter coordinator. Those on our mailing lists will receive written notice of chapter organizational meetings to be held in their area. Your help in spreading the word about our upcoming chapters would be greatly appreciated.



## NEW LRPC TO REFINE SOCIETY'S GOALS

A new Long Range Planning Committee has been created by the VWPS Board to continue the planning process begun last year. Over the next year, the committee, to be chaired by new First Vice-President Cole Burrell, will be working on several issues related to the future direction of the VWPS, such as that of finding ways to increase its effectiveness as a statewide organization.

Also included in the committee's charge is refinement and future development of certain of the strategies suggested to achieve the goals that emerged from last winter's planning retreat. These goals were listed in full in the Summer 1985 Bulletin.

## FROM EDUCATION . . .

### VWPS Library and Signature Slide Collection

Toni Cripps of our Prince William Chapter has accepted the position of VWPS Librarian and Signature Slide Curator, effective November 1st of this year. Toni will set up and implement a "mail order" loan system, providing our members use of the Society's book and slide collections.

Major acquisitions this year have been:

- 1) a duplicate set of slides used to illustrate the VWPS Conservation Speech;
- 2) a set of slides of Isotria medeoloides (Small Whorled Pogonia) and Betula uber (Round Leaf Birch) for each chapter; and
- 3) the slide and tape program "Roots of Life," a conservation presentation co-produced by the World Wildlife Fund and Garden Clubs of America.

We give thanks to our 1985 donors to the VWPS Signature Slide Collection: Ann Crocker, Gary Fleming, Holley Green, Jessie Harris, Linda McMahan, Nicky Staunton and Al Studholme.

Other additions to the SSC include slide copies of the 1984 Photo Contest entries of David Askegaard, Richard Cassell, Ann Crocker, Vincent Connolly, Elaine Haug, Dorothy Mitchell, and Larry Morse.

\* \* \* \* \*

### Addition to VWPS Publications & Gift List

We are now developing for feature on the P&G List a list of shrubs, small trees and woody vines suitable for home use. This item would serve as a companion document to our seven page "Wildflowers Recommended for Cultivation in Virginia."

Potomack Chapter president Ed Ballard is drawing up a candidate list of plants for the new publication. That list will be reviewed by the chapter's Conservation Chair, Nancy Roisum, and Cole Burrell, VWPS First Vice-President. Doris Berger, VWPS Education Chair, will edit the final copy. We are working for a January 1st availability.

\* \* \* \* \*

### Cable TV Project

The VWPS Education Chair will meet with representatives of the Fairfax Cable Access Corporation in October to continue planning the production of the Society's first cassette. We received no response to the summer Bulletin's announcement and so we again encourage our Northern Virginia members to get involved. This project presents a wide range of learning experiences in the various aspects of video production. Lights! Action! Camera! Contact Doris Berger if you're interested: (703) 273-3324 in Fairfax.

\* \* \* \* \*

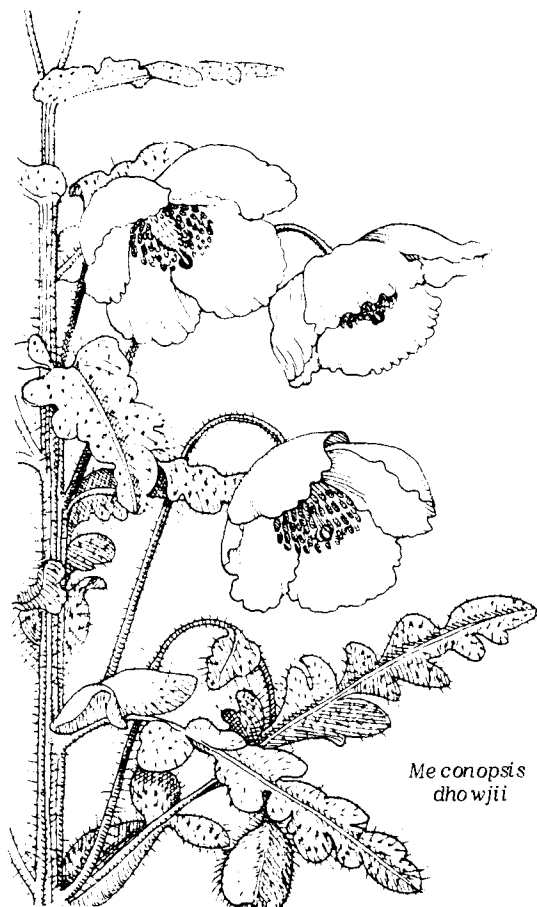
### Wildflower Week, 1986

The VWPS Board accepted the Education Committee's recommendation to hold our 1986 Wildflower Week during April 19-27. Next year's focus area will be Richmond, with a feature event to be hosted by our Pocahontas Chapter. The VWPS Education Chair will work with a Wildflower Weekend Chair from the Richmond area.

All chapters are asked to plan an event in their respective areas for this time period. Program plans should be submitted to Doris Berger as soon as feasible so that a coordinated publicity package can be drawn up by December 1, 1985.

Doris Berger, Chairman  
Education Committee





*Melanopetalum  
dhowjii*

Few places in the world produce wildflowers more exotic, more prolific and more colorful than Australia during its springtime (August-October). To view them in all their splendor, we are pleased to announce that the Virginia Wildflower Preservation Society and the American Horticultural Society will co-sponsor, for the first time, a wildflower tour of Western Australia, scheduled for September 24 to October 12, 1986.

We invite you to join in this extraordinary opportunity to study the native plants of Australia under the leadership of our own renowned member, Dr. Stanwyn Shetler. Stan is Curator of Botany of the Smithsonian Institution, Washington, D.C. He also serves as Acting Associate Director for the National Museum of Natural History, a bureau of the Smithsonian. Having personally encountered Australia's great floral diversity, Dr. Shetler has been involved from the outset in the planning of our travels. He will direct the tour in concert with some of Australia's finest botanical guides and licensed experts in the local flora.

Our itinerary ensures a comprehensive coverage of Australia's superb wildflowers and scenic attractions yet maintains a comfortable pace. It features a 10-day excursion through Western Australia as well as visits to the renowned botanic gardens, parks and wildflower preserves in Perth, Western Australia, and in the charming city of Adelaide, South Australia, and the gateway city of Sydney. Our travel agent, Mr. Saul Viener, Vice-President of Dynasty/Red Carpet Travel Service of Richmond, Va., has actively drawn from his long-standing connections and excellent rapport with Australia's citizens and officials to create an unforgettable experience for our tour participants. The agency specializes in custom-tailored tours and has earned a well-deserved reputation for its service.

In each town, dining arrangements and lodgings have been selected for their quality, comfort, convenience and unique appeal. QANTAS, the Australian National Airline, will carry us to and from Australia. Internal flight will be provided by Trans-Australia Airlines. The Westrail Travel Center is handling all land arrangements. In Adelaide, we will be escorted by the leadership of the Friends of Adelaide Botanic Gardens. Mr. John Colwill, National President of the Society for Growing Australian Plants, will address our group upon arrival in Perth on September 29.

A tour brochure will be mailed to all VWPS members in early November. The full price of the 18-day tour (with departure from San Francisco and return to Los Angeles) is \$3,800.00. Our reservations are limited to 35 persons on a first come, first serve basis. The reservations deadline is June 30, 1986. In the spirit of cooperation, the VWPS and AHS has invited members of several fellow native plant societies and botanical gardens throughout the country to participate in the tour. We hope that you will be interested in joining us and making new friends in The Land Down Under in 1986!

#### GREAT MEADOW UPDATE

I am happy to report that the Society's first Regional Landscape Project has progressed successfully to date. Due to intensely hot weather conditions and meager rainfall at Great Meadow, our first scheduled planting day (September 7) was cancelled. On September 21, however, ten hardy volunteers wielded pick-axes, shovels and trowels to plant approximately 600 wildflowers. The dedicated members with me that day deserve mention here: Anne and Jocelyn Alexander, Ace Adams, Gary Fleming, Deenya Greenland, Mary Lucke, Claudia Thompsen-Deahl, and John and Phoebe White.

Deenya Greenland provided each newly planted wildflower a generous drink from a portable water tank which she and husband Tom donated to Great Meadow. Since September, Deenya has handled supplemental watering of the planting site when Mother Nature did not provide sufficient rainfall. Piedmont Chapter member and Great Meadow manager Ann Barker has provided great assistance, along with staff, in preparation and maintenance of the project site.

Species planted to date include: New England Aster (*Aster novae-angliae*), Black-eyed Susan (*Rudbeckia hirta*), Green-headed Coneflower (*Rudbeckia laciniata*), Purple Coneflower (*Echinacea purpurea*), and Swamp Milkweed (*Asclepias incarnata*). Many other species (selected for and specially grown for this project) will be planted before snow falls. Thousands of individually-potted, yearling

wildflowers now in the care of our Piedmont Chapter seedling stewards still await planting-in at Great Meadow's central rock island.

Planting dates have been scheduled for Saturday, October 12; Sunday, October 20; Saturday, November 2; and Saturday, November 16. With the exception of the 10/20 weekend planting, rain dates will be each Sunday immediately following the Saturdays noted above. On every date, plantings will begin at 9:30 a.m. and will continue into mid-afternoon.

I appeal to all members of our Potowmack, Prince William and Piedmont chapters to contribute a half-day...or even an hour...to our efforts at Great Meadow. This regional project represents the cooperative efforts and volunteer support of many Society members. We need your help in completing our 1985 plantings at Great Meadow. If you can offer any time, please contact Mary Painter in Annandale (703) 573-7747 or Deenya Greenland in Warrenton (703) 347-4010.

Directions to Great Meadow: Rt. 66 West to The Plains/Old Tavern exit. Turn left onto Rt. 245 towards Old Tavern. Go 2 miles. Turn left into the Members Gate entrance and park in the driveway adjacent to the Summer House. Proceed to the center of the turf course to our planting site. No cars permitted on course!!

Mary Painter

## 1985 ANNUAL MEETING REPORT

The 1985 Annual Meeting of the VWPS was held Sunday, September 15, at the Wintergreen resort in Wintergreen, Va. The quarterly meeting of the Board of Directors was held at the same facility on the preceding Saturday. Set high atop the Blue Ridge Mountains, Wintergreen provided us an ideal, relatively central location for attendance by our statewide membership. Naturalist and Outdoor Program Director Doug Coleman represented Wintergreen, host for our weekend activities. Doug and several other Wintergreen staff members gave us invaluable assistance in our meeting preparations. The host facility provided the honorarium and complimentary accommodations for our guest speaker and his wife. Through Doug Coleman's participation and the generous support of Wintergreen, the Society was able to conduct the best-ever Annual Meeting weekend on a very trim budget.

Our special thanks also go to Doug for leading our well attended Sunday morning wildflower hike. Most of the members, guests, and Wintergreen property owners who joined Doug that Sunday morning were unaware that their walk leader was expecting at any minute notice from home that his wife Gail was ready for the drive to the hospital to give birth to their second child.

During the business portion of the Annual Meeting, the election slate and proposed amendments to the bylaws, as presented by Nominating Chairman Ed Ballard, were approved by vote of the membership. Rich Crites of our Blue Ridge Chapter was elected by plurality vote to the non-Board member position on the Nominating Committee.

President Mary Painter recognized and gave special thanks to those Directors who would be leaving their offices on October 31st:

Linda McMahan, First Vice-President; Tommee Kerr, Treasurer,  
Jocelyn Alexander, Fund Raising Chair; John Doria, Publications & Publicity Chair; and  
Marion Blois, Director-at-Large.

Special recognition was also given to Ann Regn of Palmyra and Dr. Michael Hill of Bridgewater, VWPS Chapter Coordinators in their respective areas. Members of the 1984-85 Long Range Planning Committee were also thanked for their outstanding work:

Linda McMahan, Chairman; Marion Blois, Eric Herst, Ed Risse, and Bee Smith.

Mary Pockman, Linda McMahan and every member of the Administrative Handbook Review Committee were extended gratitude for the countless hours they devoted to the completion of the handbook. Mary Pockman was specially recognized for her meticulous attention to the handbook's final writing and was later asked to speak as our incoming Society president.

Annual Photo Contest winners were announced by '85 Photo Contest Chairman Elaine Haug who also displayed all contest entries during the meeting.

During the previous evening, fellow Directors gave to Mary and Jamie Painter two silver julep cups, beautifully engraved in script and the Society's logo. As the Sunday business meeting drew to a close, Linda McMahan presented to Mary Painter another gift from the Society Directors, a framed testimonial featuring an original wildflower border design by VWPS Staff Artist Barbara Stewart. Jocelyn Alexander then stood up to announce that, by action of the Executive Committee, a special Endowment Fund had been created in honor of the outgoing president.

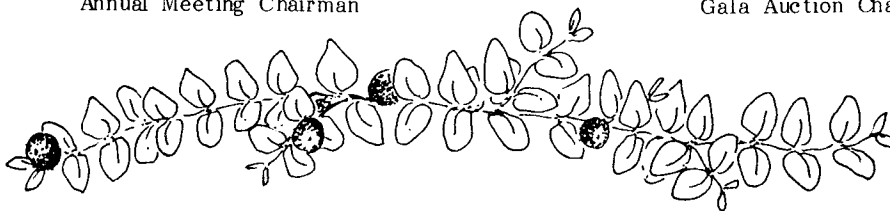
Approximately 100 members and guests then enjoyed an excellent program and slide presentation by our featured guest speaker, Ken Moore, Assistant Director of the North Carolina Botanical Garden. Ken's program was entitled "The Role of the Botanic Garden in the Preservation and Promotion of Wildflowers." As its co-editor, Ken autographed copies of Harry Phillips' new book, Growing and Propagating Wild Flowers, one of several Publications & Gift List items available for sale during the meeting.

The Gala Auction Festivities continued throughout the afternoon, featuring nearly eighty appealing silent bid items. Participants gathered from the Blue Ridge Terrace to bid on five live auction items presented by auctioneer David Quante. John and Phoebe White, Piedmont Chapter members of Marshall, Va., were the proud winners of our perennial feature item, the VWPS Custom Wildflower Garden.

1985 Gala Auction offerings were donated by our own members and fine businesses throughout Virginia. We thank each donor, our Chapter Auction Captains, and Eric Herst, Silent Auction Captain, for pulling together our many original and exciting auction items. The overall high quality of these donations led to our '85 fund raiser's great success. Joni Melville, Annual Meeting Sales Chairman, also reported excellent results on publications and gift sales. Staffing of each display or sales table was generously provided by our Society Directors and spouses.

Doris Berger  
Annual Meeting Chairman

Mary Painter  
Gala Auction Chairman



The 1985-86 Board of Directors  
of the  
VIRGINIA WILDFLOWER PRESERVATION SOCIETY

President . . . . .	Mary Pockman
First Vice-President . . . . .	Cole Burrell
Second Vice-President . . . . .	Claudia Thompson-Deahl
Corresponding Secretary . . . . .	Dorna Kreitz
Recording Secretary . . . . .	Ray Heller
Treasurer . . . . .	John White
Chairman, Botany . . . . .	Dorothy Bliss
Chairman, Budget & Finance . . . . .	David Quante
Chairman, Conservation . . . . .	Faith Campbell
Chairman, Education . . . . .	Doris Berger
Chairman, Membership . . . . .	Phoebe White
At-Large Member . . . . .	Joni Melville
At-Large Member . . . . .	Betty Lottimer
At-Large Member . . . . .	Karen Bauer

Chapter Presidents

Potowmack . . . . .	Ed Ballard
Prince William Wildflower Society . . . . .	Elaine Haug
John Clayton . . . . .	Barbara Hall
Piedmont . . . . .	Jocelyn Alexander
Blue Ridge . . . . .	Paul James
Pocahontas . . . . .	Sarah Richardson

Note: The Chairman of Nominating Committee will join the Board of Directors as an ex-officio member upon selection by the Nominating Committee, represented by: Non-Board Members - Jean Chitren and Rich Crites; Board Members - Barbara Hall, Elaine Haug and Dorna Kreitz.

During its December meeting, the VWPS Board of Directors will elect one of its members to serve on the Nominating Committee. (The VWPS Board positions of Chairman, Fund Raising, and Chairman, Publications & Publicity have not been filled at this time.)

MINUTES FROM THE ANNUAL MEETING

"The Executive Committee, polled by telephone, agreed to create a special fund in honor of Mary Painter. The fund, to be launched by the Board of Directors, and with pledges of contributions from them, would be applied entirely towards the Society's Endowment Fund. The membership as a whole might be invited to direct contributions towards this fund at a later time. The Board members' total pledges toward the fund would be announced at the Annual Meeting of the Society, at Wintergreen, as a surprise tribute to Mary."

*If, on this All Hallows' Eve, at one minute before midnight,  
as some of you would happen to stand outside your door munching  
on a Halloween bit . . . in mild contemplation of  
the rippy autumn air  
the changeover of seasons and officers  
the end of a fourth membership year,  
you might hear the sound of a distant voice . . .  
a sound not unlike that of a wild thing  
running free and baying at the moon.*

Treasurer's Report (as of October 1, 1985)

Total pledges towards Endowment Fund	\$1,190.00
Paid to date . . . . .	475.00

Treasurer's Report (as of October 1, 1985)

Total pledges towards Endowment Fund	\$1,190.00
Paid to date . . . . .	475.00
Earlier contribution . . . . .	25.00
Total contributions paid to date	500.00

Bank balance . . . . .	\$6,965.27
Accounts payable . . . . .	- 172.76
	\$6,792.51

Liabilities

Great Meadows balance . . \$	418.06
Endowment Fund . . . . .	500.00
1986 dues . . . . .	807.50
Reserve . . . . .	960.62
	\$2,686.18
	-2,686.18

Monies available for 1985 . . . . .	\$4,106.33
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The poems featured below were selected from a new collection entitled *Seasons* by Elizabeth Doyle Solomon. This, her latest book, is published by Cypress Books, Franklin, La., and will soon be available for purchase.

Elizabeth, a new member of the VWPS, lives with her husband, Wynn, two daughters, two dogs and four cats in a rambling old house in Howardsville, Va., near the James River. We are proud to have her participation in the Charlottesville-area steering committee now actively working to develop the Society's seventh chapter.

Ms. Solomon was born, raised and educated in New Orleans. At age eleven, she wrote her first poem—one selected through her school for national competition. During the past fifteen years, she has taught poetry workshops in elementary and middle schools. Elizabeth organized and led a poetry workshop for two years in Winchester, Va., and edited a poetry column, "The Rhyme's Den," in the *Winchester Evening Star*.

Published in several periodicals, her works have also appeared in the 1985 anthology of the Poetry Society of Virginia, for which she presently serves as Contest Chairman. She is founder and former editor of the *Central Virginia Leader*, a weekly newspaper based in Scottsville, Virginia. Elizabeth is currently Features Editor and Poetry Editor for the *Leader*, and contributes a regular column to the *Charlottesville/Albemarle Almanac*.

*Seasons* is a book of 112 wildflower and nature poems, with thirty-nine sketches by Scottsville artist Ava Marie Liddell. The book is the result of five years of private research on wildflowers. For further information about her upcoming book, you may contact Elizabeth at Llanarth Farm, Howardsville, VA 24562.

### Butter And Eggs

Breakfast on my farm lane  
With neither fire nor pan...  
Food for poet's soul,  
Bread for every man.

Prized butter and eggs  
Served upon a stem:  
What an appetite,  
He who labeled them!

### Why Morning Glory Climbs The Corn

Morning glory could not see  
When first that she was born,  
Opening the blue-violet eye  
Beneath the rustling corn.

"Come climb on me, shyest one, ..  
And see where you were born...  
So she did, and still today  
Climbs up the rustling corn.

### Chickory

Someone took a scissors,  
Clipped off all the green...  
Left naked buds and flow'rs,  
Jrimmed the chick'ry clean.

Then that busy seamstress  
Took a pinking shears...  
Fringed the ends of petals  
All around the ears.

And then for good measure  
She prepared the dye...  
Tinted each chickory  
Shades to catch the eye.

Not lavender or blue  
But somewhere between...  
Left finished chickory  
A designer's dream.

### Ragwort

Yellow ragwort just can't match  
Other petals in summer's patch;  
Wind: blown even without a breeze...  
Her only claim, a summer sneeze!

### To The Last Trumpet Flower

One late last-blooming trumpet flower  
Burst forth in splendid red-orange song,  
She sang of hummingbird's whirring wings,  
Of hot noon-day sun, cool evening rain,  
Shy deer who brushed her trailing vines,  
Ground hogs who dug beneath her roots,  
Owls who watched the field for mice,  
The fox who hunted only by night,  
The poet who stopped to say goodbye,  
The summer gone in the wink of an eye.



There are a growing number of book services throughout the country specializing in natural history titles. The three dealers listed below offer 1985 catalogues (\$1.00 each). Often the books offered are one-of-a-kind and available on a first come, first served basis. Some books are advertised as library review copies; some stock is listed as new, or used books in very good to excellent condition. Return policies are offered, satisfaction guaranteed. Seasonal supplements to the annual catalogues are issued by some of the dealers noted below.

Upon inspection, we found some very appealing titles listed at reasonable prices within their recently-issued catalogues. Among these were quite a number of out-of-print or hard-to-find books on native plant identification and cultivation.

Donald E. Hahn, Natural History Books, Box 1004, Cottonwood, AZ 86326-1004. Telephone: (602) 634-3427.

Doug Kibbe, Natural History Books, Box 34, Maryland, NY 12116. No telephone number given.

Gary Wayne-Bookseller, Rt. 3, Box 18, Fort Payne, AL 35967-9501. Telephone: (205) 845-5866.



During the 1985 Annual Meeting at Wintergreen, VA, on September 15, awards were presented to the following contest winners:

#### Slide Contest

First Place - David Askegaard of Arlington, VA, Potowmack Chapter, for his "Nature's Garden," featuring Wild Geranium (*Geranium maculatum*), golden ragwort (*Senecio aureus*) and Solomon's seal (*Polygonatum biflorum*).

Second Place - Richard Cassell of Louisville, KY, At-large member, for his "Butter and Eggs" (*Linaria vulgaris*).

Third Place - Ethyl Durham of Great Falls, VA, Potowmack Chapter, for her "Foam Flower" (*Tiarella cordifolia*).

Honorable Mentions were awarded to:

\*\*\*E. M. Burrell of Richmond, VA, Pocahontas Chapter, for his "Wild Ginger" (*Asarum canadense*).

\*\*\*Richard Cassell for his "Button Bush" (*Cephalanthus occidentalis*).

\*\*\*Jessie Harris of Washington, D.C., Potowmack Chapter, for her "Starry Chickweed" (*Stellaria pubera*).

Congratulations to our winners and thanks to our judges: Barbara Ellis, Editor for the American Horticultural Society and Mark Milligan, Photo Editor for *Potomac News*.

Our judges provide the following general comments for improving entries: Concentrate on the entire view in the viewfinder. Eliminate unwanted items in the picture. Crop your flower in your viewfinder before you push the button. Check for unwanted shadows and eliminate these if possible.

Special thanks go to Ben Fitzgerald of Annandale and Phoebe White of Marshall for their photo contest entries. We regret that there weren't enough photo entries to provide for category awards. I know there were more pictures out there!

Elaine Haug  
1985 Photo Contest Chairman

#### Proposed Slide Categories for the 1986 Photo Contest

1. "Virginia Wildflowers Combination." One close-up slide of the flower accompanied by one slide of the flower in its habitat. Both slides will count as one entry. All entries should be properly identified with the common and scientific name.
2. "Virginia Wildflower Gardens." A scenic shot of a wildflower garden growing in Virginia.
3. "What's It." A close-up of a unique part or feature of a plant. The winner will be that person who can successfully stump the members attending the 1986 Annual Meeting. The flower part should be unique to at least the genus and, preferably unique to genus and species.

Everyone has a full year to get out and take these shots. We hope to have many more entries next year!

#### SOCIETY HONORED IN HAMPTON, VA.

The Virginia Wildflower Preservation Society was recently selected by the Virginia Wildlife Federation (VWF) to receive a special Certificate of Recognition. The VWF's Conservation Award judges chose to honor the Society this year for its work in connection with conservation of Virginia's wildlife and natural resources.

Dr. J. D. Andrews, member of the John Clayton Chapter, attended the October 19th Annual Awards Banquet, held in Hampton, Va., to receive the award on behalf of the VWPS.

Thanks to Ed Ballard and Mary Pockman of the Potowmack Chapter who, together, nominated the Society this year.

From charter member Al Studholme of our Potowmack Chapter, here are two recipes featuring wild ingredients. One of Northern Virginia's most highly regarded naturalists, Al holds a lifetime of experience in the identification and practical uses of our native plants.

#### Wild Salad

- 1 cup young dandelion leaves (can be picked year 'round)  
1/2 cup young tip growth of greenbriar or catbriar (use top 3" - 4" of soft, juicy vine tips)  
1/2 cup fresh, young wild mustard leaves

Strip dandelion leaflets from their bitter midrib. Add pubescent greenbriar tips and mustard leaves. Wash all greens in several waters. Pat dry with towel. Turn into serving bowl and toss with dressing noted below.

Note: For onion taste, add 1/2 cup chopped wild onion (new stems); for tart, lemony flavor, add 1/3 cup Wood-sorrell (*Oxalis*) leaves.

#### Dressing

Mix together the following ingredients:

- 1 scant tsp. of French mustard      1 Tblsp. wine vinegar  
2 Tblsp. sugar      3 Tblsp. olive oil  
pinch of salt and freshly milled black pepper

#### Persimmon Pudding

- 2 cups persimmon pulp (fruits should be skinned and seeds removed)  
2 cups flour      2 cups brown sugar  
3 eggs lightly beaten      2 cups milk  
1 tsp. baking soda      1/4 tsp. salt      4 Tblsp. butter

Mix together persimmon pulp, brown sugar and eggs. Set mixture aside. Mix in separate bowl the milk and flour. Add this to persimmon mixture. Mix together the baking soda and salt. Add to persimmon mixture. Melt 4 Tblsp. butter in a 9" x 12" pan while pre-heating the pan. Pour entire batter mixture atop melted butter in pan. Do not mix batter with butter. Bake 45 mins. at 350°. Excellent when served with vanilla ice cream.

Note: Be sure persimmons are dead ripe and sweet. To be certain, sample a bit of each collected fruit since even one or two bitter ones will spoil the pudding.

#### VWPS JOINS 'VIRGINIANS FOR RETURNABLES'

During its quarterly meeting in September, the VWPS Board of Directors approved the Society's membership, costing \$10, in the Virginians For Returnables, Inc., a coalition for a Virginia refund law. The organization, based in Richmond, Va., has been at work since 1980 to form Virginia's largest pro-recycling lobby. It includes within its ranks approximately seventy-five member organizations representing a wide range of environmental and community interests at local, state and national levels.

In her August 1 recommendation to the Society's Executive Committee, Potowmack Chapter President Mary Pockman noted in a report that "the main link between VWPS concerns and this bill is the impact, visual as well as physical, of highway litter on the roadside wildflower plantings we have advocated." Our Potowmack board members, also having voted that their chapter would join in support of the bottle bill, added that "Litter, including bottles, is a problem in woodland wildflower areas as well."

Virginians For Returnables issues to its members a periodical newsletter, VFR Bottle Bill News. For further information, contact Pat Franklin, State Coordinator, VFR, P. O. Box 69, Richmond, VA 23201, phone (703) 237-0335.



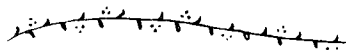
# BLUE RIDGE PARKWAY SEEKS INFORMATION ON IMPORTANT PLANT HABITATS

A joint project of locating "important plant habitats" along the Blue Ridge Parkway is under way with Blue Ridge Parkway personnel and regional botanists. The project is a continuation of one carried out ten years ago in which a management manual was developed for the Parkway from Roanoke southward in cooperation with Western Carolina University botanists Dr. J. Dan Potillo and Mr. Tom Govus. The remaining 120 miles of the Parkway from Rockfish Gap south to Roanoke will constitute the first phase of the project with an updating of criteria for the remaining portion to follow within the next several months.

Since knowledge of precise locations of rare plants is not always available to the various managers and operators of equipment along the Parkway, this type of information is requested from anyone who can provide it. The primary plant species whose habitats need to be known are both nationally and state listed species. Other species which have limited occurrences along the Parkway are also recorded. Secondly, the species which are of beauty to the Parkway visitor are mapped and will be managed for scenic values. Lastly, those plant communities representing examples of the Southern Appalachian types will also be mapped.

Information gathered on this project is for management purposes and is not for public publication. Reports will be controlled by park rangers and personnel.

Anyone who has information on these potentially important plant habitats is asked to share this information with co-investigator Doug Coleman, Box 260, Crozet, VA 22932. Doug is a member of the Steering Committee for our VWPS chapter now developing in the Charlottesville area. Naturalist and Outdoor Program Director of Wintergreen, Doug recently represented the resort as host of our 1985 Annual Meeting. At Wintergreen, he can be reached during the day at (804) 325-2200 x 699; evenings: (804) 823-4525.



## A FRIENDLY REMINDER

If you have not already renewed, your membership will expire on the 31st of October. Please take the time to renew now and save your Society the time and expense of sending individual reminders!

Make your check payable to VWPS and send it with the form below to VWPS Membership, P. O. Box 844, Annandale, VA 22003.

Please renew my membership.	
Name(s) _____	
Address _____	
_____ ZIP _____	
Phone: H ( ) _____	W ( ) _____
Please enroll me as	
A member of _____ Chapter _____	
An At-large member	
Enclosed is	
\$ 5.00 Student	\$100.00 Sustaining
\$ 5.00 Senior	\$250.00 Life
\$10.00 Individual	\$125.00 Corporate Sponsor
\$15.00 Family	Additional contri-
\$25.00 Patron	bution to
\$50.00 Supporting	Chapter _____ VWPS

# WILDFLOWER SEEDS AVAILABLE

Gardeners wanting to grow wildflowers or ferns from seeds or spores can select from the more than 100 varieties offered by the New England Wild Flower Society in their 1986 Seed-Sale List.

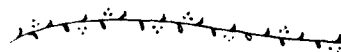
By offering for sale a large number of native plant seeds, the Society hopes to encourage gardeners to use more wildflowers in their home landscapes. This program is an adjunct of the Society's world-wide botanical garden seed distribution effort.

All requests for seed lists must be received by March 1 because seed sales close March 15. Requests will be filled in the order received. Send a self-addressed, \$.39-stamped envelope (#10 business size) to Seeds, New England Wild Flower Society/Garden in the Woods, Hemenway Road, Framingham, MA 01701. No requests for lists will be honored without the stamped envelope.



## IPPS

The International Plant Propagators Society, Southern Region, will meet at the Inn on the Plaza in Asheville, November 10-13, 1985. This is a rare opportunity to participate in an educational meeting conducted by one of the top nursery-related organizations in the world. Registrations received following October 21 will cost \$40. Tour registration is also available. For more information, contact Dr. Willard Witte, 704 West Meadecrest Drive, Knoxville, TN 37923.



## HELP SAVE OUR ENDANGERED WILDFLOWERS . . .

. . . by purchasing the American Horticultural Society's 1986 Endangered Wildflowers Calendar. Funds raised from sales will be used to support conservation projects, including AHS' Wildflower Rediscovery Award Project which has received mention within previous 1985 Bulletin issues.

This attractive wall calendar (8 1/2" X 23" when open) features sixteen beautiful color photos of endangered plants from all over the U.S. A description of each taxon and the factors causing it to become threatened accompany each photo. Please use the order blank to order copies from AHS. We also encourage you to consult your local VWPS chapter for availability of this outstanding item.

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(Virginia residents: Please add 4% sales tax on Calendar orders.)	
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Mail to: Wildflower Calendar, American Horticultural Society, P. O. Box 0105, Mount Vernon, VA 22121.	

# CHRISTMAS GIFT SUGGESTIONS

Consider as excellent Christmas gifts some of the items featured on the Virginia Wildflower Preservation Society's Publications & Gift List.

For an additional, current Publications & Gift List, send a stamped, self-addressed envelope to the VWPS Public Information Officer, c/o the address given below. All prices include Virginia Sales Tax (4%), as well as shipping and handling charges. Mail your order, with check made payable to "VWPS," to VWPS Public Information Officer, P. O. Box 844, Annandale, VA 22003.

1. VWPS T-Shirt. Help to spread our conservation message as it is so attractively displayed on our first-edition T-shirts! Our shirt's slogan, "Semper Flora Virginiensis" conveys a theme of "Virginia Wildflowers Forever." Theme and Society's name surround an outline of the Commonwealth of Virginia and a floral design. Royal blue design on a sky blue shirt. Available styles: men's and women's (French-cut sleeve with a semi-scoop neck). Both styles available in a 50/50 cotton-polyester blend. 100% cotton shirt available in men's style only. Available sizes: in men's—S, M, L, XL; in women's—M and L. Allow three weeks for delivery. \$8.50.
2. The New Wildflowers and How To Grow Them by Edwin Steffek. 1983. New paperbound edition, 172 pages with 50 color plates and 100 b/w illustrations. Practical information on the cultivation and identification of more than 550 species. Presents a clear, systematic study of the conditions under which wildflowers flourish, plus conservation principles. \$19.95
3. Growing and Propagating Wild Flowers by Harry R. Phillips of the North Carolina Botanical Garden. 1985. We recommend this book as the definitive reference for wildflower gardeners. Paperback, \$14.95.
4. Spring Wild Flowers of West Virginia by Earl L. Core. 1981. Contains distinctive field notes including informative references to native plant growth habits and occurrences with companion species. Paperback, \$3.95.
5. Trees and Shrubs of Virginia by Oscar W. Gupton and Fred C. Swope. 1981. One hundred species of trees or shrubs are represented by color photos and text in non-technical language. Hardcover, \$10.95.
6. Wildflowers of the Shenandoah Valley and Blue Ridge Mountains by Gupton and Swope. 1979. Two hundred species of mostly herbaceous plants photographed and described. Hardcover, \$10.95.
7. Wildflowers of Tidewater Virginia by Gupton and Swope. 1982. Color-keyed reference on 200 species of mostly herbaceous plants represented by color photos and descriptive text. Hardcover, \$10.95.
8. Conservation Guidelines. One-page guideline featuring seven ways in which Virginia citizens may help to protect our native species and natural areas. Free. Send a stamped, self-addressed envelope.

VWPS PUBLICATIONS & GIFTS ORDER FORM				
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*Virginia Wildflower Preservation Society*  
P.O. Box 844  
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