

NATIVE NOTES

WEST VIRGINIA NATIVE PLANT SOCIETY

Volume 12, Number 2

October 2004

Highlights of the 2004 Annual Membership Meeting

The annual meeting was held on September 11, 2004 at Laneville cabin. Trustees present were: Romie Hughart, Helen Gibbins, Mary Sansom, Bill Grafton, Dick Thompson, Lawrence Beckerle, Lois Kuhl, Donna Ford-Werntz, Chris Gatens, and Sally Anderson.

Officers and Trustees elected for 2005 were:

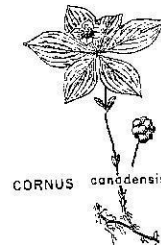
Emily Grafton – President

Mary Sansom – Vice President

Helen Gibbins – Recording Secretary

Treasurer – Steve Mace

Trustee-at-large – Bob Burrell



The treasurer's report showed a balance of:

\$1134.37 Checking & petty cash

\$5965.32 Savings

\$7099.69 Total

Two amendments to the bylaws were approved.

Article IV. Board of Trustees. Sec. 7. Quorum for Board meetings. Four board members shall constitute a quorum for the transaction of business.

Article VIII. Meetings. Sec. 3 Membership Meeting Quorum. The presence of 5 % of the members in good standing at any statewide meeting shall be necessary to constitute a quorum for the transaction of business.

Lawrence Beckerle will contact Larry Stritch to find out the status of the lists sent to him by Lawrence, Donna Ford-Werntz, and Bill Grafton. Bill reiterated the importance of developing a list of the most egregious invasive plants so they will not be sold and planted in West Virginia.

Donna Ford-Werntz and Bill Grafton are working on research for the Dept. of Highways to find native plants that can be used to reclaim roadsides and road banks.

WVU's Bryophyte Herbarium- The WVNPS donation was used to buy 16 storage boxes and tape for the boxes. The Kanawha Valley Chapter also donated \$50 to this project.

KinderGardening with Native Plants- Mary Sansom and Lois Kuhl reported on the native plant gardening with children at the South Charleston library. From May 22-August 14 they conducted six sessions which included site preparation, plantings, and maintenance. The children ranged in age from 6-12, and some parents also assisted. Literature was also handed out to the participants. The source of plants was Frank Porter, Riverview Nursery, Pomeroy, Ohio.

The West Virginia Noxious Weed Act of 1976

A report of some key provisions with a few comments

By Lawrence T. Beckerle
(pronounced Becker-lee)

As per the request of the Board of Trustees I make the following layman's report on West Virginia' Noxious Weed Act. This is intended for educational purposes and might seem to be BORING, but as you read on, I am certain that you will reach a very different conclusion. Chapter 19, Article 12-D of the West Virginia Code provides "for the suppression of noxious weeds which have proven to be or which scientific evidence indicates may become detrimental factors affecting the public health or economy of the state."

19-12D-3(e) "Noxious weed" means any living plant, or part thereof, declared by the commissioner, after public hearing to be detrimental to crops, other desirable plants, waterways, livestock, land or other property, or to be injurious to public health or the economy.

19-12D-4 Administration of Article; promulgation of regulations.

(a) The commissioner shall administer and enforce the provisions of this article and shall have authority to issue regulations after a public hearing following due notice to all interested parties in conformance with the provisions of the state administrative procedures set forth in chapter twenty-nine-a of this code.

(b) In issuing such regulations, the commissioner shall give consideration to pertinent research findings and recommendations of other state agencies of the state, the federal government, and other reliable sources.

19-12D-5 Surveys for noxious weeds; multiflora rose

(a) The commissioner shall make surveys for noxious weeds and when it is determined that an infestation exists within the state he may, by regulation after a public hearing held in accordance with procedures set forth in chapter twenty-nine-a of this code, declare the weed to be noxious.

(b) Multiflora rose, (*Rosa multiflora*), is a detriment to agriculture in West Virginia and is hereby declared to be a noxious weed.



Musk Thistle



Plumeless Thistle



Curled Thistle



Johnson Grass

Penalties for violating the restrictions against multiflora rose include a fine of "not less than one thousand dollars, or confined in jail not more than one year or both fined and imprisoned." For violating the provisions against other declared noxious weeds the fine shall be "not less than ten dollars nor more than one hundred dollars." "It shall be the duty of the prosecuting attorney of the county in which the violation occurred to represent the commissioner, to institute proceedings and to prosecute the person charged with such violation. In the event a county or prosecuting attorney refuses to act on behalf of the commissioner, the attorney general shall also act.

Since the law was passed it has become the practice in West Virginia for rules promulgated by state agencies to be ratified by the legislature. To the best of my knowledge the last effective revision was made May 31, 1985. It is known as: Title 61, LEGISLATIVE RULES, DEPARTMENT OF AGRICULTURE, SERIES 14A, RULES AND REGULATIONS DEALING WITH NOXIOUS WEEDS. Sections 5 and 6 are reprinted here

61-14A-5. Declaration of noxious weeds.

5.1 Surveys have shown that the following plants are a detriment to agriculture in West Virginia and are hereby declared to be noxious weeds: Johnson Grass (*Sorghum halapense* L.), Plumeless Thistle (*Carduus acanthoides* L.) Curled Thistle (*C. crispus* L.) and Musk Thistle (*C. nutans* L.)

5.2 The plant known as Kudzu (*Pueraria thumbergiana* (S and Z) Benth.) is a detriment to agriculture in West Virginia and is hereby declared to be noxious, however, because Kudzu has a potential as a forage crop, the Commissioner may issue a permit for its cultivation. Such permit shall be issued by the commissioner upon application by a prospective grower who agrees to follow cropping practices prescribed by the Commissioner. Such cropping practices shall include but not limited to, measures to prevent the spread of Kudzu to roadsides, rights-of-way or woodlands.

5.3 The plant known as Autumn Olive (*Elaeagnus umbellata* Thumb.) has become a detriment to agriculture in Barbour, Braxton, Cabell, Calhoun, Doddridge, Gilmer, Harrison, Jackson, Kanawha, Lewis, Marion, Mason, Monongalia, Pleasants, Putnam, Ritchie, Roane, Taylor, Tyler, Upshur, Wetzel, Wirt and Wood counties and is hereby declared to be a noxious weed in these counties.

5.4 This section reserved for drug producing plants other than those listed in the West Virginia Noxious Weed Act. (W. Va. Code 19-12D-7)

61-14A-6 Sale, use for distribution of noxious weeds prohibited. The sale, use or distribution of noxious weed plants, except as provided for in 5.2 is prohibited in accordance with W. Va. Code 19-12D-7.

Note: Getting rules ratified by the legislature is sometimes just a mere formality. At other times there is considerable debate, but this appears to me to be the rare exception, being generally limited to rules that have to do with coal mining. My observation is that legislators do not like to deal with the details and prefer to have something that they can just vote up or down.

If you have not heard of the noxious Weed Law, part of that is due to the fact that funding to enforce the law reportedly ended in 1987. What progress was made in updating the law to include more noxious weeds seems to have been because of efforts made mostly by farmers. There was support from those in the timber industry to restrict the planting of Autumn Olive. (What little I knew at the time of the Noxious Weed Act I learned of through the West Virginia Forestry Association.) But those in the mining industry and those in the DNR who believed and in many cases still believe that Autumn Olive is good for wildlife countered this at the time and in later years as well. My recollection is that other organizations with an interest in protecting the environment abstained from any involvement in the process and continue to stand by the sidelines on this issue. Why?

Part of that may be due to confusion on what to do to affect the process. Here are some possible ideas for discussion in light of recent changes.

Because of money that become available through the Homeland Security Act, the Plant Industries section of the Department of Agriculture hired Mr. David Dick in 2003 to at least begin surveys on noxious weeds in West Virginia. He has been involved in getting articles into newspapers to alert the general public about the problems that highly invasive non-native weeds pose for West Virginia. His immediate supervisor is Charlie Coffman, but Mr. Coffman is retiring at the end of October.

Needed approaches

- 1.) To establish the West Virginia Native Plant Society as a "reliable source" for the record, the society must begin by making proposals for needed changes.
- 2.) Propose a more detailed listing of plants that should be grown only with a permit: for example common Bermuda grass is very invasive and reported to be highly allergenic. In spite of the problems reported for Bermuda grass one federal agency is still promoting this grass and subsidizing the establishment of Bermuda grass. Achieving an outright statewide ban on common Bermuda grass is probably not possible at this time. The next best approach is to propose that it be treated the same as Kudzu, which can be legally grown in West Virginia if the grower obtains a permit and takes steps to keep it from spreading to other properties.
- 3.) Submit non-native invasives to be included in an outright ban where there is no strong commercial interest in growing the plant or do a better job of reporting problems. Among the most important things to do when submitting plants for inclusion on the noxious weed list is to where possible detail health hazards and threats to other property. Ogren's Plant Allergy Scale (OPALS) is useful for reporting the relative health risk to allergy and asthma sufferers. For more information go to Thomas Ogren's Web site www.allergyfree-gardening.com and at www.allegria.com

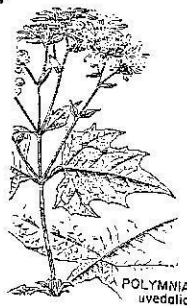
FIELD NOTES

From Chris Gatens:

- Giant cane-*Arundinaria gigantea*, 8-4-04 Mission Hollow Branch near CAMC, Charleston, WV (A Kanawha county record addition) 6 locations
- Yellow cup-plant-*Polymnia uvedalia*, 8-12-04 Mate Creek, near Meador, Mingo Co., WV
- Crossvine-*Bignonia capreolata*, 5-11-04 Along NS Railroad mainline, Leon, Mason Co., WV
- Upland willow-*Salix humilis*, 7-12-04 Newton/Kaymoor Road, Fayetteville, Fayette Co., WV
- American yew-*Taxus canadensis* 8-24-04 Little Stony Creek, Barger Springs, Summers Co., WV
- Box huckleberry-*Gaylussacia brachycera*, 8-24-04 Little Stony Creek, Barger Springs, Summers County, WV
- Hoptree-*Ptelea trifoliata*, 8-23-04 six shrubs at Brooks Falls, near Hinton, Summers Co., WV
- Toothache tree-*Zanthoxylum americanum*, 8-23-04 Sandstone (Richmond) Falls on New River, Summers county, WV
- Kentucky Coffeetree-*Gymnocladus dioica*, 8-23-04 Sandstone Falls, Summers County, WV



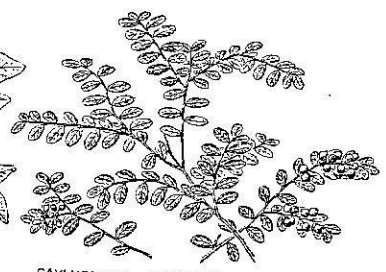
Crossvine



Yellow Leafcup



Toothache Tree



Box Huckleberry

Annual Meeting Hikes

Canaan Valley- Camp 70

Polygala sanguinea-rose polygala

Spiraea alba - pipestem

Viburnum cassinoides-Wild raisin

Athyrium angustum v. *rubellum*-red-stemmed lady fern

Hypericum canadense-Canadian St. John's-wort

Hypericum densiflorum-Glade St. John's-wort

Glyceria grandis-American mannagrass

Populus tremuloides- Quaking aspen

Aster puniceus-Purple-stem aster

Juncus subcaudatus-Rush

Juncus brevidaudatus-Rush

Juncus secundus-Rush

Solidago uliginosa-bog goldenrod

Aster umbellatus-Flat-top white aster

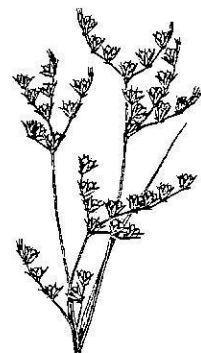
Physocarpus opulifolius-ninebark

Ilex montana-mountain holly



G. grandis

GLYCERIA
American Mannagrass



JUNCUS secundus

Zigadenus leimanthoides-Oceanorus
Picea rubens-Red spruce

4. Boardwalk on Northland Loop Trail
Drosera rotundifolia- Round-leaved sundew
Lycopodium inundatum-bog clubmoss
Rhynchospora alba-White beakrush
Zigadenus leimanthoides-Oceanorus
Eriophorum virginicum-Cotton grass
Pinus rigida-Pitch pine



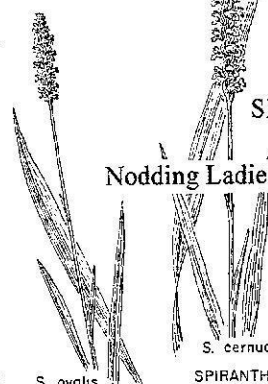
POTENTILLA tridentata

Three-toothed Cinquefoil



S. gracilis

Slender Ladies' Tresses



S. cernua

Nodding Ladies' Tresses

S. ovalis SPIRANTHES

Oval Ladies' Tresses

4. Bear Rocks
Potentilla tridentata-Three-toothed cinquefoil
Anaphalis margaritacea-Pearly everlasting
Clematis verticillaris-Purple virgin's bower

Field trips with Orchid Nuts (Clete Smith & Scott Shriver)

Found at Hindleg Creek, ghost town of Henry, in Grant
 County along WV 90 south of Bayard: Date: September, 2004
Platanthera clavellata, *Eupatorium pilosum* & *Alnus glutinosa*

Found at Jennings Randolph Lake: *Spiranthes gracilis* & *Spirianthes cernua*

Found at Lonaconing in Garrett County, MD – *Spiranthes gracilis* & *S. cernua*

Found in Berkeley County on October 2nd trip to Eastern Panhandle

Spiranthes cernua, *Platanther ciliaris*, and *Platanthera lacera* in wet mossy corner of field
 near headwaters of Sleepy Creek Lake

Spiranthes ochroleuca 2 plants along roads on lower Sleepy Creek Lake

Spiranthes ovalis 1 plant in Yankauer Nature Preserve

BOTANICAL BONANZAS OF WEST VIRGINIA

(bogs, balds, and beaver ponds to barrens, bedrock, and bluffs)

Canaan Valley

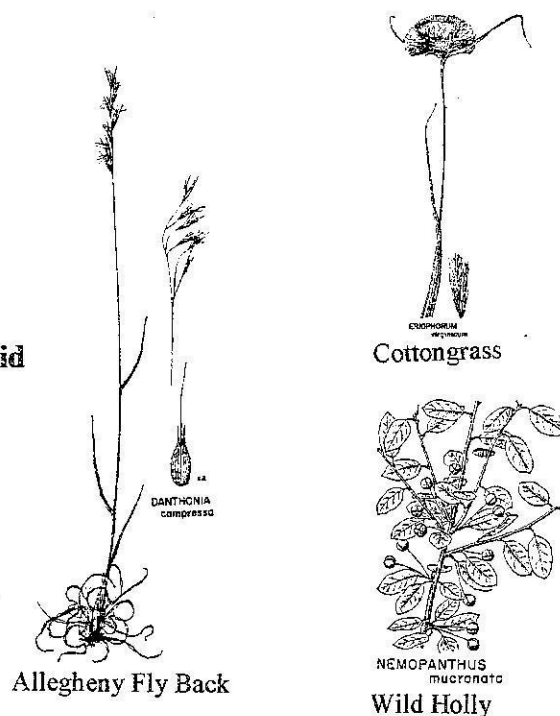
The valley is a true crown jewel of WV for natural areas. But "natural" only if you accept the massive changes that have occurred since the valley was first traversed in 1743 by a party surveying the Fairfax Line. They noted the wonderful grass bald along the top of Cabin Mountain where their horses could find grass to eat and they could relax in the grassy openings. They cursed the laurels (rhododendrons), the thick spruce and hemlock forest and the swamps that engulfed them on the valley floor.

From 1884 until 1924 timber barons cut virtually every acre of trees in and adjacent to Canaan Valley. High quality red spruce, black cherry, sugar maple, and yellow birch were manufactured into lumber and shipped throughout the US. Low quality trees were processed into pulp to make paper and the bark of hemlock trees was used to manufacture leather products. In the aftermath, the forest floor was littered with slash and debris. Forest fires raved the cutover lands and burned the slash and

Carex folliculata-Sedge
Deschampsia flexuosa-Crinkled hairgrass
Danthonia compressa-Allegheny fly-back
Spiranthes cernua-Nodding Ladies' Tresses
Dulichium arundinaceum-Three-square

Olsen (Big Run Bog)

Platanthera clavellata-Small green wood orchid
Sarracenia purpurea-Pitcher plant
Drosera rotundifolia-Round-leaved sundew
Eriophorum virginicum-Cotton grass
Solidago uliginosa-Bog goldenrod
Menyanthes trifoliata- Buckbean
Vaccinium oxycoccos- Small cranberry
Vaccinium macrocarpon-Large cranberry
Scirpus atrocinctus- Black-girdled bulrush
Dulichium arundinaceum-Three-square



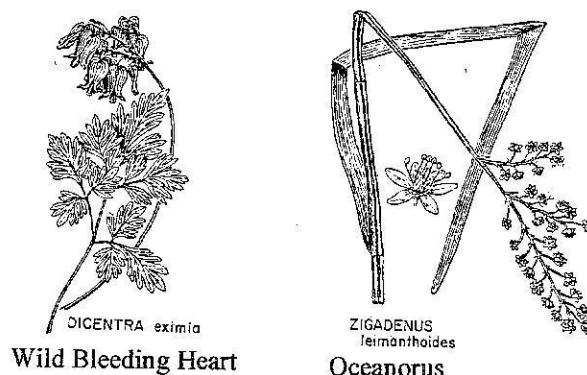
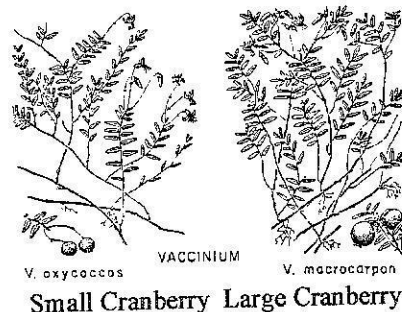
Dolly Sods

1. Petersburg Gap Overlook

Hamamelis virginiana-Witch hazel (bloom)
Nemopanthus mucronata-Mountain-Holly
Sorbus americana-Mountain-ash
Ilex montana- Mountain holly
Quercus ilicifolia-Scrub oak
Dicentra eximia-Wild bleeding heart
Menziesia pilosa-Minnie-bush

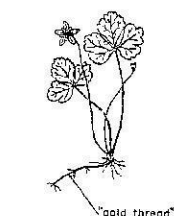
2. Along road

Zigadenus leimanthoides-Oceanorus
Gentiana quinquefolia-5-flowered gentian
Gentiana linearis- Narrowleaf gentian
Houstonia serpyllifolia- Bluets
Vaccinium oxycoccos- Small cranberry

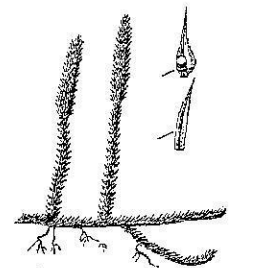


3. Northland Loop trail

Crepis capillaris- Smooth hawksbeard
Prunus virginiana- Choke cherry
Cornus alternifolia- Alternate-lvd. Dogwood
Ribes glandulosum- Skunk currant
Dicentra eximia-Wild bleeding heart
Cornus canadensis-Bunchberry (fruit)
Dalibarda repens-Star Violet
Menziesia pilosa-Minnie-bush
Nemopanthus mucronata-Wild holly
Aronia(Pyrus) melanocarpa-Black chokeberry
Coptis groenlandicum-gold thread



COPTIS groenlandicum
 Goldthread



L. inundatum
 Bog Clubmoss *LYCOPodium*

dried out organic soils. Many fires were intentionally set in hopes of creating pastures for cattle. Thousands of acres were seeded with non-native grasses and clovers to improve forage for cattle. Some better soils were cultivated to grow potatoes, broccoli, and cauliflower. For better or worse, fires and farming changed Canaan Valley forever.

The valley floor is about 13 miles long and averages 2-3 miles wide. Near the center, the valley floor is dissected by Middle Ridge. The valley floor averages about 3280 feet elevation. Higher mountains encircle the valley except where the Blackwater river flows out of the valley and they range from 3200 to 4200 feet.

The earliest visitors, in the 1700s and early 1800s, do not mention open bogs or shrub thickets that were almost surely present. They mention dense forests of hemlock and spruce on the valley floor and magnificent stands of black cherry on the slopes.

Today, the spruce, hemlock, and balsam fir exist in small pockets. The rest of the valley floor is open shrubby thickets, areas of ferns, grasses, tall fall wildflowers, and open bogs of mosses, cranberries, sedges, cottongrass and sundew. Numerous seeps and swales extend from the valley floor up into the black cherry and northern hardwood forests. They are probably very similar to primeval conditions and are excellent places to look for rare species.

Over 150 active and old beaver ponds create excellent places to explore for rare plants and plant communities. Old oxbows along the bigger streams also offer enticing habitats.

Ron Fortney listed 523 plants in the valley in 1975. This number has surely increased over the past 30 years as botanists and naturalists have explored the various nooks and crannies. We also know that there are about 107 exotic plants growing in the valley.

Rare plants and those that are frequent in Canaan Valley but are seldom found elsewhere in WV and general locations, include the following:

1. Balsam fir—*Abies balsamea*—swamp forest, state park & North Branch
2. *Carex canescens*—beaver ponds and bogs, Camp 71 & Timberline Road
3. Black-girdled bulrush—*Scirpus atrocinctus*—beaver ponds/bogs, Glade Run & Camp 70 south
4. Small-flowered bulrush—*Scirpus rubrotinctus*—seeps & swales, Camp 70 south & mouth of Little Blackwater River
5. American mannagrass—*Glyceria grandis*—seeps & swales, Timberline Road & Big Cove
6. Round-leaved sundew—*Drosera rotundifolia*—open bogs, Glade Run & Camp 71
7. Narrowleaf Gentian—*Gentiana linearis*—open bogs, Camp 71 & bog west of Middle Ridge (north end)
8. Sweet-scented Indian plantain—*Cacalia suaveolens*—riverbanks & floodplains, state park & Camp 70 south
9. Mannagrass—*Torreyochloa pallida* var. *fernaldii*—around beaver ponds, Glade Run & Timberline Road

10. Small cranberry—*Vaccinium oxycoccos*—open bogs, Camp 71 & bog west of Middle Ridge (north end)

Rare plants of swamp forest & thickets at headwaters of Mill Run in Canaan Valley State Park:

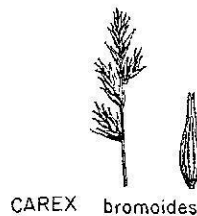
- | | |
|-----------------------------|---|
| 1. Highbush cranberry | <i>Viburnum opulus</i> v. <i>americanum</i> |
| 2. Purple avens | <i>Geum avens</i> (also along North branch) |
| 3. Sedge | <i>Carex bromoides</i> |
| 4. Small's twayblade | <i>Listera smallii</i> |
| 5. Showy Lady's-slipper | <i>Cypripedium reginae</i> |
| 6. Alderleaf buckthorn | <i>Rhamnus alnifolia</i> (also along North Branch) |
| 7. Pennsylvania saxifrage | <i>Saxifraga pensylvanica</i> |
| 8. American pussy willow | <i>Salix discolor</i> (also scattered in CV) |
| 9. Nannyberry | <i>Viburnum lentago</i> |
| 10. Appalachian blue violet | <i>Viola appalachiensis</i> (moist old fields) |
| 11. Jacob's ladder | <i>Polemonium vanbruntiae</i> (also in Big Cove) |
| 12. Glade spurge | <i>Euphorbia purpurea</i> (also along North Branch) |
| 13. Marsh woundwort | <i>Stachys pilosa</i> (wet old field) |



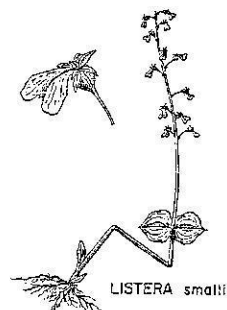
EUPHORBIA
purpurea
Glade Spurge



CYPRIPEDIUM *reginae*
Showy Lady's Slipper



CAREX *bromoides*



LISTERA *smallii*
Small's Twayblade
Kidney-leaved Twayblade

Additional rare plants known to occur on the valley floor of CV and general locations where you might look for them are as follows:

1. Water horsetail—*Equisetum fluviatile* seep north of Jack Neal Ford
2. Bog fern—*Thelypteris simulata* oxbow north of Jack Neal Ford & Glade Run
3. Sedge—*Carex atherodes* Big Pond (beaver pond) Glade Run
4. Sedge—*Carex atlantica* ssp. *capillacea*
5. Sedge—*Carex comosa* Camp 71 & Glade Run
6. Sedge—*Carex lacustris* North Branch
7. Sedge—*Carex pellita*
8. Sedge—*Carex projecta* wooded & brushy seeps & swales in Big Cove
9. Thread Rush—*Juncus filiformis* Camp 71
10. No. Manna grass—*Glyceria laxa*
11. Oceanurus—*Zigadenus leimanthoides* swales near Camp 71 & Camp 70 south
12. Rose pogonia—*Pogonia ophioglossoides* Cortland Road

13. Star violet—*Dalibarda repens* moist woods in CV state park & Big Cove
14. Large Cranberry—*Vaccinium macrocaron*
15. Yellow avens—*Geum alleppicum*
16. Marsh speedwell—*Veronica scutellata* Camp 70 south & Timberline Road
17. Hedge nettle—*Stachys aspera* Freeland Run
18. Marsh bellflower—*Campanula aparinoides* Timberline Road
19. Beaked dodder- *Cuscuta rostrata* streamsides
20. Dwarf cornel – *Cornus canadensis* swamp forest on Freeland Run
21. Water-parsnip – *Sium suave* lower slopes of Brown Mountain
22. *Scirpus purshianus* old beaver ponds
23. *Malaxis unifolia* – Green adder's-mouth scattered in open bogs

Carex brunnescens and Chamomile grapefern (*Botrychium matricariaefolium*) have been found in the grass balds. American fly honeysuckle was found in 1941 on the slopes of Canaan Valley, but not since.

One of the strangest spots is the low gap between the north end of Canaan Valley and Stony River where very small populations of 2 Scottish highland heaths are known to grow. These plants are Heather (*Calluna vulgaris*) and Crossleaf heath (*Erica tetralix*). Nearby are 30-40 shrubs of the Mountain paper birch (*Betula papyrifera* var. *cordifolia*).

Canaan Valley National Wildlife Refuge was established as the 500th refuge in 1994. The refuge now contains 15,245 acres. The largest acquisition was approximately 12,000 acres from Allegheny Power (formerly Monongahela Power Co.). Some of the wetlands in the northern end of the valley known as Big Cove were also purchased from Western Pocahontas Land Corp. However the Big Cove is land-locked except for a right-of-way for refuge personnel. Other important wetlands in the refuge are along Freeland Run, Timberline Road, and Cortland Road.

Access to the refuge is limited to a series of trails that occur primarily on upland areas around the Valley and along Middle Ridge. A permit is necessary to hike, birdwatch, or botanize in the wetlands off the designated trails.

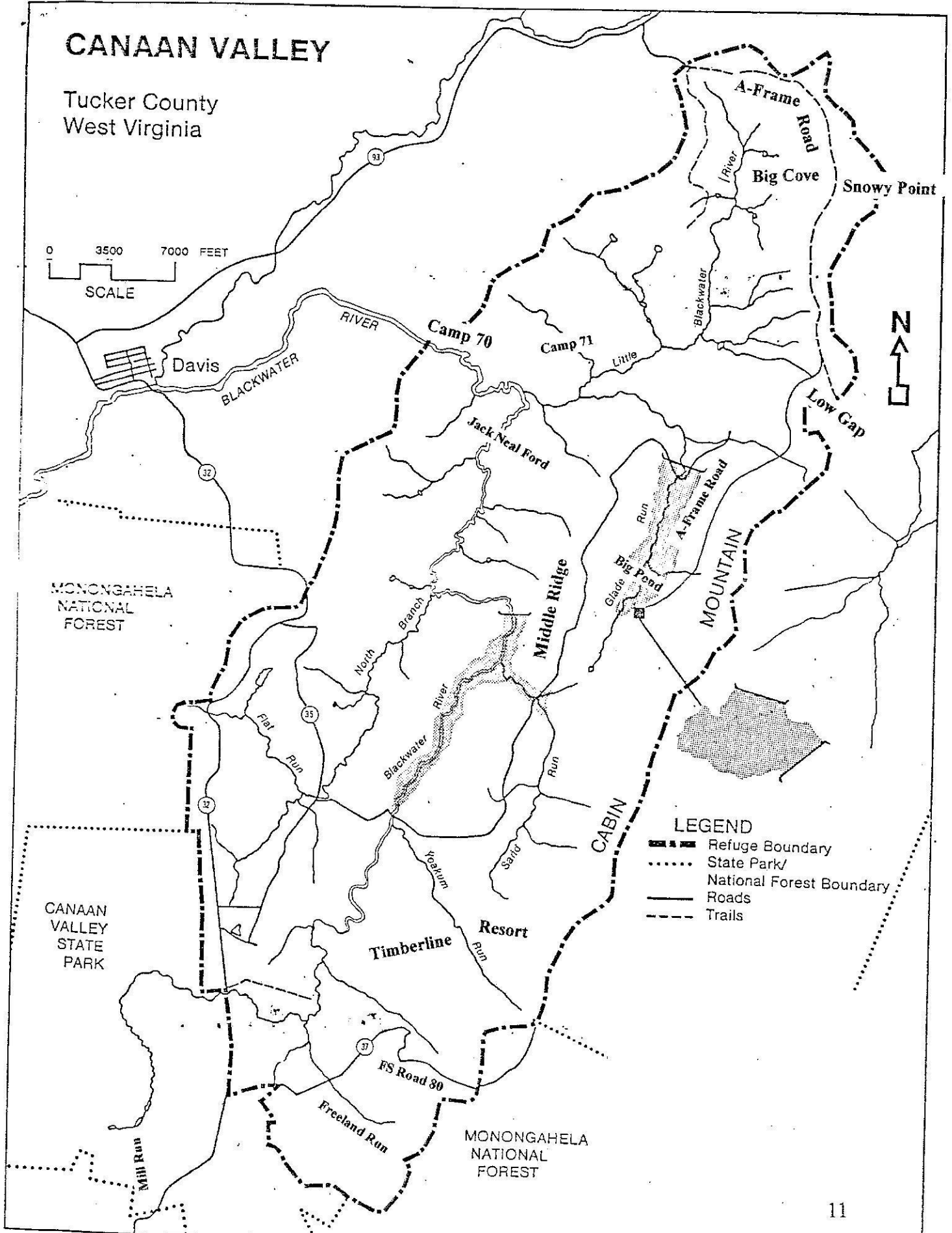
Canaan valley State Park is public land open to exploration along the headwaters of the Blackwater River, Club Run and Mill Run. There are trails along the streams, in woods, swamps and open fields.

There are few places in West Virginia with as many rare or unusual plants as Canaan Valley. The "big sky" vistas of the open valley and grass balds offer neat plants, super photography, birdwatching, and a great place to meditate. The beaver ponds and mucky swamps and swales can offer challenges. More than one individual has had to be pulled out of the sticky mud by fellow explorers. It is a challenge and a spectacle, but you will love it!!

CANAAN VALLEY

Tucker County
West Virginia

0 3500 7000 FEET
SCALE



MEMBERSHIP REGISTRATION

Please sign me up as a member of the WVNPS!

Name(s) _____

Address _____

Phone (H) _____ (W) _____

E-mail _____

Membership dues: Calendar year (Jan. 1 –Dec. 31)

_____ Regular membership \$12 (includes all members of a household)

_____ Student membership \$ 8 (any student college age or below)

_____ Life membership \$200

Chapter membership is optional

_____ \$10 Eastern Panhandle _____ \$6 Kanawha Valley (Charleston)

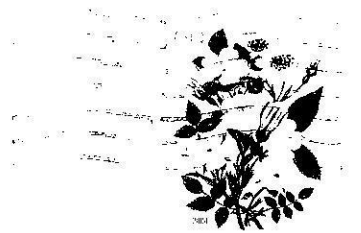
_____ \$ 6 Tri-State (Huntington)

**** You must be a member of the State WV-NPS organization in order to join chapters.**

WV NATIVE PLANT SOCIETY

P.O. BOX 808

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