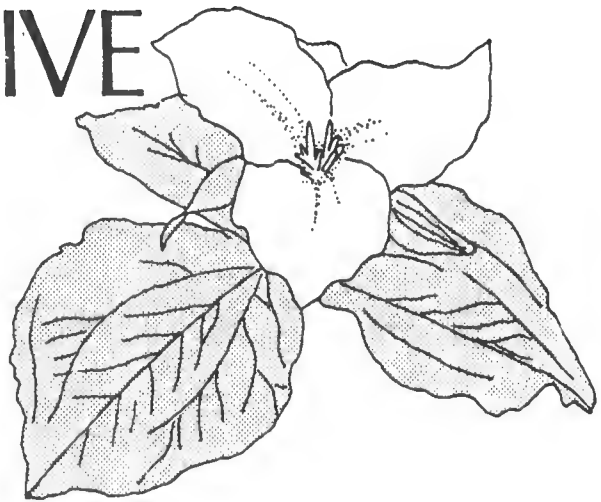


TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER



Vol. 2, No. 1
January 15, 1979

PRESIDENT'S MESSAGE

Since December, 1977, we have grown from an idea to an organization of about 650 members. We have met together in the natural meeting places of botanists to enjoy the region's diverse reservoir of flora and to think, plan and give hard direction to our goal of maintaining this diversity. This direction is now taking form in an active field program, in the beginnings of general conservation efforts, and in the strength of regular communication among folks of similar interests. As with most new efforts, our work has mixed uncertain starts with clear successes. The year has been one of emerging ideas, interest and energy, and I have enjoyed it.

Under Ed Cox's leadership, the monthly field trips are now an institution. Some have been quiet Saturday morning gatherings of a few people to visit, for example, the remnants of a tall grass prairie or an endangered streamside golden-aster. Others have been large occasions requiring divisions into walking groups with leaders and guides. But all involved new names, faces and places, and the many strands of conversation which will gradually build the web of our becoming a constituency for plants. We look forward to January's indoor discussion of endangered species in Tennessee, and to Ed Clebsch's February tramp to the state's scattered groves of eastern white cedar. George Ramseur's good organization of the Savage Gulf occasion has already prompted mention of return to that area.

Some efforts have been striking in their clarity of purpose and execution. In early autumn Joan Vaughn decided that a note paper series on Tennessee's rare and endangered flora was needed. At her prompting the essential team of taxonomist (Leo Collins), artists (Andrea Higdon and Babs McBride) and printer was assembled. They went to work and the first of the series is now available.

Our conservation programs are emerging from diverse plans: the U. S. Forest Service in North Carolina has been receptive to our offer of help in designing vegetation management plans for some sensitive high-country areas on the Tennessee-N. Carolina border; we hope to be working with the Forest Service's landscape architect soon. A bill is being drafted which, if successfully moved through the General Assembly, will provide legislative foundation to the State's ginseng conservation program. Another bill aimed at generally giving some State protection to endangered and threatened species is also in the drafting stage. We will be shepherding these pieces of legislation over the course of the next few years. Mary Palmer Kelley reports that the first TNPS "plant dig" will probably take place in late February or March. And Rex Boner has been fitting people with tasks in response to our recent membership interest survey.

(continued on p. 2)

PRESIDENT'S MESSAGE cont.

For assisting and supporting this work in many ways we thank the University of Tennessee's Botany Department and its Arboretum, the Oak Ridge National Laboratory, the Tennessee Botanical Garden, the Tennessee Department of Conservation, and the Tennessee Valley Authority. We have also appreciated the companionship and hospitality of our neighbor organizations, the Alabama Wildflower Preservation Society and the North Carolina Wildflower Preservation Society.

Perhaps our most important function at this early stage of TNPS evolution is developing a sense of community. The newsletter, about which we receive much favorable comment, will for present be a focal point in this development. We hope you will not only read it, but contribute to it. From the newsletter, our monthly field gatherings and the projects requiring group effort, we believe there is emerging the community of active interest which will underpin our effective constituency for Tennessee's native flora. At this stage, the organization especially needs the continuing support of those who this year expressed their commitment to Tennessee's flora by becoming charter members. Please renew this commitment by promptly returning the membership renewal form in this newsletter.

Robert E. Farmer, Jr.
President

TENNESSEE NATIVE PLANT NOTES

The Tennessee Native Plants Society has for sale Native Plant Notes, featuring original line drawings of Gray's lily (*Lilium grayi*), mountain avens (*Geum radiatum*), twinflower (*Linnaea borealis*) and hart's-tongue fern (*Phyllitis scolopendrium*). A set of twelve (three of each plant) with envelopes can be purchased for \$2.00 (plus \$.50 mailing costs) from Ms. Joan J. Vaughn, Rt. 2, Box 175, New Market, TN 37820.

SAVAGE GULF MEETING

About 70 TNPS members spent a Saturday in late October exploring the Savage Gulf Natural Area under the leadership of George Ramseur and a squad of guides including Sherry Spain, Tom Patrick, Mike Sherman, Bob Richards and Mack Prichard. We headquartered at the Beersheba Springs Hotel which is now operated by the Methodist Church and provides food and lodging to groups such as ours. After a Friday night introduction to the area by Sherry Spain, we split up into at least four groups for what turned out to be all-day trips to the Stone Door-Big Creek area, Savage Gulf itself, and the Werner Big Timber area. Groups with Tom, Mack and Mike experienced the rocky descent into the dry bed of Savage Creek, and some rock hopping to points within the gorge. Large trees on northern exposures - yellow poplar, northern red oak, sycamore, hemlock, buckeye, and yellow birch - were the day's main feature, but there were enough fall flowering forbs to keep our taxonomists busy. The fall color was still brilliant and the day clear. In the evening Tom Patrick, Evyonne Mescall and Mike Sherman showed slides of some of the vegetation more easily observed in the Gulf in other seasons. We took the first TNPS group pictures on Sunday morning and agreed to have other TNPS gatherings there.

CONSERVATION COMMITTEE UPDATE - Rex Boner

The Conservation Committee is finally getting organized and involved in several native plant conservation projects. As has been reported in past issues of the newsletter, TNPS was instrumental in helping the Department of Conservation (DOC) formulate a statewide management plan for American Ginseng, a plant which is currently being commercially exploited in Tennessee. TNPS presented a statement paper at the Ginseng public meeting attended by several TNPS members. The management plan as developed has been successfully implemented by DOC with over 600 diggers and 60 in-state and out-of-state dealers registered and DOC is beginning to receive annual reports from these people. However, much more work remains to be done including the introduction of legislation which is being prepared. Additional input is desired. Contact me if interested.

Another project being organized by this committee is a plant dig or plant salvage effort. Mary Palmer Kelley, staff botanist at Cheekwood Botanical Gardens, is in charge of this important activity and would appreciate any assistance that could be offered. This project is designed to activate TNPS members to carry out plant transplantation efforts ahead of the various habitat destruction forces in action today. She needs to know of people, equipment, expertise, transportation and other support items to successfully carry out such an operation so that plants that are scheduled to be destroyed can be properly moved prior to destruction to similar habitat elsewhere or to any person interested in transplanting them. Any interested TNPS people please contact Mary at Cheekwood Botanical Gardens, Cheek Road, Nashville, TN 37205 (615-356-3306).

TNPS is beginning to monitor rare plants in the state in cooperation with the Tennessee Heritage Program, Tennessee Department of Conservation, and the TVA Regional Heritage Program. Paul Somers, Botanist with the Tennessee Heritage Program, is coordinating this committee activity and is looking for field-oriented TNPS members to help with field reconnaissance to map the distributions of the rare native plants of Tennessee. Those interested please contact Paul at RR. 8, Holly Tree Gap Road, Brentwood, TN 37027 (615-373-4374 - home; 741-3852 - office).

Management is a key work for the conservation of the native flora as many lands are already in public ownership such as state natural areas, state wildlife management areas, state parks, national parks, national wildlife refuges, etc. Oftentimes these areas support populations of rare plants that if managed properly would be offered protection. Consequently another activity of the conservation committee is to coordinate with state and federal land-managing agencies to assure that these significant populations are being managed accordingly. We need contacts across the state that would be interested in assisting in this coordination. Please notify me immediately if you would care to help with this project.

Another proposed activity of TNPS was to begin a "big tree" program. However, the Division of Forestry has already initiated such a survey. Therefore I would like to encourage all TNPS members to participate in searching for large trees and nominating all finds to your district forestry office or send them to Ernest Haskins, Division of Forestry, Tennessee Department of Conservation, 2611 West End Ave., Nashville, TN 37203 (615-741-3326). Rudimentary efforts are also underway to establish a native plant seed bank. Potential storage sites and some workers have been identified but we desperately need to identify seed sources. Forward any suggestions to me or to Mrs. Tom Siler (see related article elsewhere in this issue).

TNPS FEBRUARY MEETING

On Saturday, February 3, 1979, at 1:00 PM, the TNPS will meet in the University of Tennessee Botany Department in Room 316 of the Hessler Biology Building. Dr. Eugene Wofford will have a slide presentation on "The Rare Native Plants of Tennessee". He will discuss not only the rare plants but also the critical habitat where many of them occur. Also included in the program will be a tour of the Herbarium.

SEED BANK TO BE ESTABLISHED

We are interested in distributing to you (and receiving from you) seeds of native Tennessee plants: flowers, trees and shrubs. Seeds mailed to the address below will be stored at the University of Tennessee Department of Botany in Knoxville and mailed out to members on request. When we know what you're looking for and what's available from members and other sources, we'll detail the mechanics of ordering. Meanwhile, we need the following information: 1) what seeds do you want? and 2) what seeds can you contribute?

If you'd like to participate in the seed bank, send a card to Mrs. Tom Siler, 4201 Alta Vista Way, Knoxville, TN 37919, and let her know your interests.

TNPS FEBRUARY FIELD TRIP

WHITE CEDAR

On Saturday, February 24, Dr. Ed Clebsch will lead a trip to see several stands of eastern white cedar, *Thuja occidentalis*, perhaps in Pickett County along the Wolf River. The three stands in Pickett County are all on the Moodyville 7½' USGS quadrangle map. Two of them are on the south side of the river between the mouths of Wright Branch/Widow Creek and the ford downstream. The third stand is on the east (north) bank of the river about ¼ mile upstream from the mouth of Lick Creek.

The trip will involve three or four miles of hiking at the maximum and will not require wading in streams. Members should bring a lunch and something to drink. There are some potable springs in the area, but we may not be near one at lunch. You should allow three hours of travel time from Knoxville. Those who wish to travel together from there can call Dr. Clebsch at work (615-974-3065) or at home (615-584-2345). If you wish to meet in Pickett County, be at the courthouse in Byrdstown at 9:30 AM C.S.T. We should be able to see the three areas and still leave the area by around 3:30.

TNPS MARCH FIELD TRIP

On Saturday, March 17, TNPS will meet at Rock Island State Park, between McMinnville and Sparta, Tennessee, for a non-flowering plant pilgrimage. Allen Coggins, State Natural Areas Administrator, has coordinated the day's activities which include hikes to identify and photograph mushrooms and other fungi, mosses, ferns, liverworts and lichens. Of course, there are also bound to be some early blooming wildflowers!

Registration is from 7:30 to 8:45 AM C.S.T. at the Park Office. There will be both morning and afternoon field trips (lunch on your own). If you'd like to stay overnight, camping is available in the park or you may make reservations in McMinnville at the Americana Motel (615-473-2159 or 473-8481) or at the Hill Crest Motel (473-2181 or 473-3833). Check your March Newsletter for last minute details!

TNPS BULLETIN

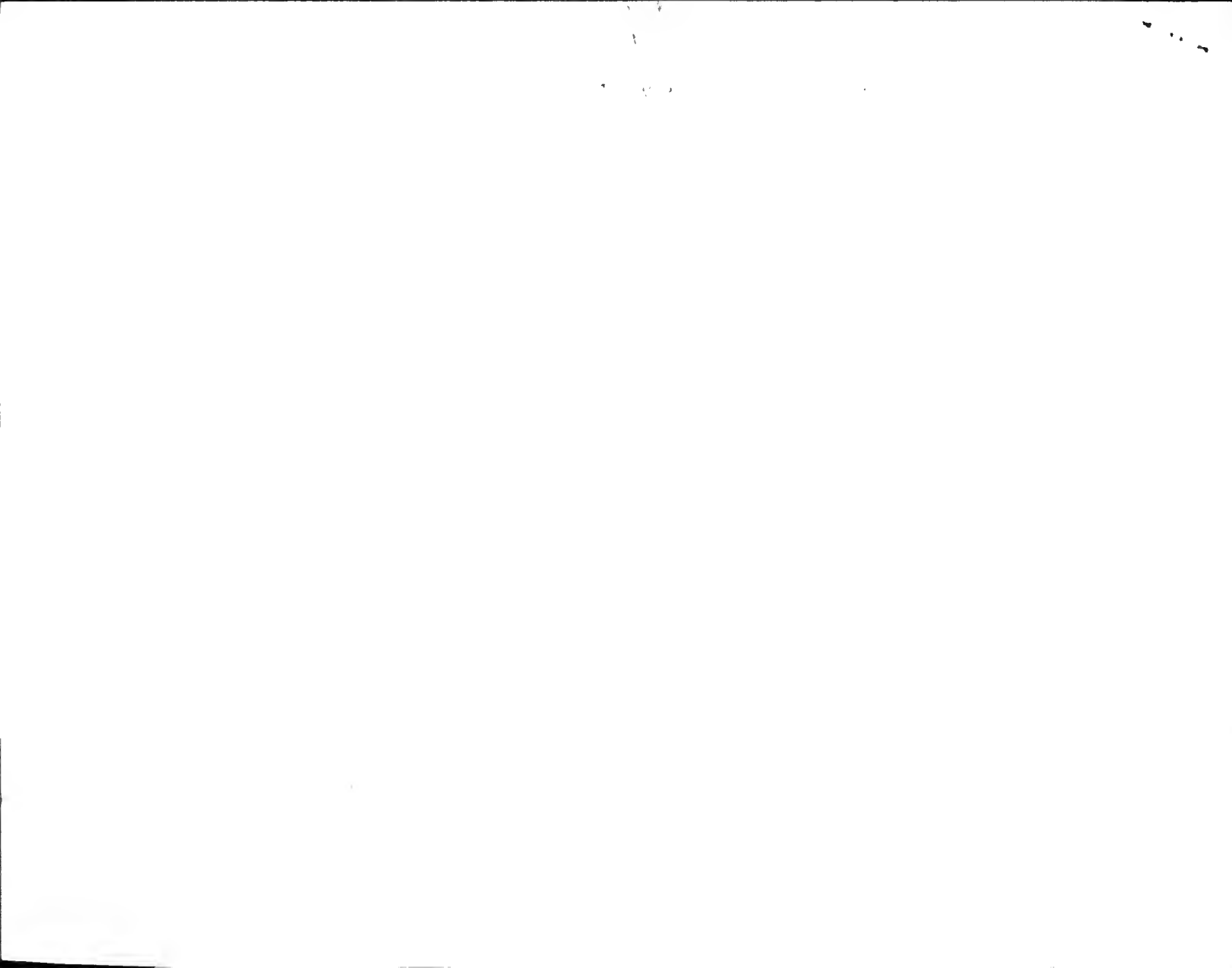
The Publications Committee would like to solicit manuscripts and illustrations for the first issue of the TNPS Bulletin. Present plans are for a theme issue on rare and endangered plants in Tennessee. Manuscripts will be needed on various groups of plants and on different areas of the state with concentrations of rare species. We also plan to include articles on management and what members can do to protect sensitive species. If you are interested in contributing a manuscript, illustrations, photographs or editing assistance, contact Dr. Susan Bratton, Upland Field Research Laboratory, Gatlinburg, TN 37738 (615-436-7120).

TNPS BOOTH AT FALL FLOWER SHOW

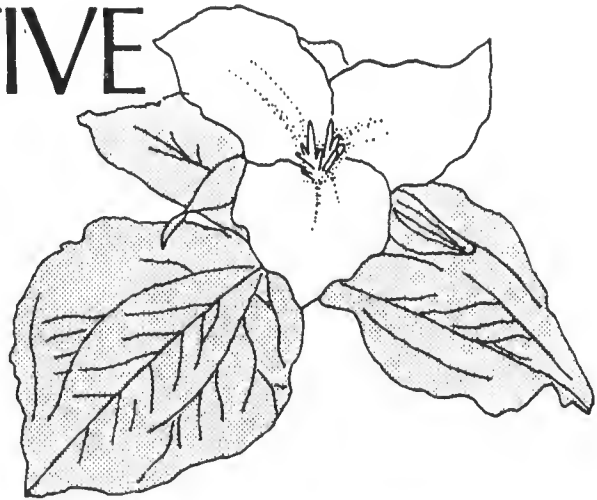
The Plantation Manor Garden Club's flower show in Kingsport saluted Tennessee Industry in October. Featured display booths of outstanding floral arrangements characterizing industrial products were enjoyed by local citizens. Among the several organizations invited to present special educational booths was the Tennessee Native Plant Society. Mrs. H. L. Browing, winner of the Award of Distinction was also the winner of a free charter membership in TNPS by identifying *Diospyros virginiana* (Persimmon) from its leaf and fruit in a special arrangement in the TNPS booth. Membership applications were distributed to those in attendance and the programs of TNPS introduced and described to many visitors.

CHANGE OF ADDRESS

Newsletter editor Ebeth McMullen has changed her mailing address to Box 646, Norris TN 37828. Please send all Newsletter articles and information to her there from now on.



TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER



Vol. 2, No. 1
March 9, 1979

PRESIDENT'S MESSAGE

CUMBERLAND ROSEMARY

In the spring and early summer of this year the Tennessee Native Plant Society will begin helping the National Park Service and the Tennessee Department of Conservation map locations of the Cumberland rosemary (*Conradina verticillata* Jennison). This species is a narrow-leaved, shrubby member of the mint family which is believed to be found only on banks of the Big South Fork of the Cumberland River, the Obed River and their tributaries. It is listed as 'endangered' in the proposed rule making published in the Federal Register of June 16, 1976, under the Endangered Species Act of 1973.

In the several areas from which the Cumberland rosemary has been reported, it occurs on rocky, sandy sites at the upper edge of the annual floodplain. It is a low, creeping shrub with a straggly habit when growing in the partial shade of other streamside vegetation, but may grow into dense clumps in full sunlight on good sites. These clumps develop as a result of the lower procumbant branches layering, i.e., rooting. When crushed, its leaves have an aroma very similar to that of the European rosemary (*Rosemarinus officinalis*) used as a seasoning.

Cumberland rosemary flowers in late May and early June and has a lavender to purple corolla with many dark spots within. Plants growing in full sunlight flower abundantly giving a lavender aspect to the whole plant. Bees are very attracted to the shrub. Fertilized flowers developed into fruits with four nutlets which ripen in July. Some preliminary studies suggest that the fertilization rate may be low, and the nature of seed dormancy, if it exists, is still unknown. In any event, germination has been poor in the few tests conducted to date. However, the plant can be easily propagated via cuttings.

Though the Cumberland rosemary is easy to propagate, its continued existence in the natural state is uncertain. First of all, the extent of its distribution and abundance in its range are unknown. The establishment of the Big South Fork National Recreation Area and the Obed River as a National Wild and Scenic River will place much of the population on Federal lands, thus requiring the National Park Service to develop management procedures which will ensure its continued existence. The first step in developing such a management plan will be to inventory and map the species.

(continued on p. 2)

PRESIDENT'S MESSAGE con't

When more is known about occurrence, we can determine whether the population is increasing or decreasing. Then management steps can be taken, such as maintaining a suitable habitat for the species or routing recreational activity away from its location. One might even establish the species in places where it is likely to grow well.

The TNPS has obtained permission from Doyle Kline of the National Park Service to begin the mapping job this year. An organizational meeting for the project will be held on the afternoon of Saturday, March 31, at 1:00 PM, at the University of Tennessee Arboretum headquarters in Oak Ridge. At this time, maps will be reviewed, geographical areas assigned to mapping teams, and general plans for the field work will be made. Slides and live specimens of Cumberland rosemary will be on hand so that volunteers can become acquainted with it.

In late May and early June, when the species is flowering, we will begin week-end floating, wading, and walking assigned stretches of streams from Daddy's Creek north to the Kentucky line. We encourage a large number of folks to participate. Particularly needed are people who are familiar with streams in the area and/or can read maps. And here is a big opportunity for all you members who expressed (in our membership survey) an interest in rare plant mapping and working with federal and state agencies. The operation should not only be immediately useful and saving of our tax dollars (without our help the National Park Service would have to pay for the mapping) but also alot of fun.

TNPS MAY TRIP: CARTER MOUNTAIN

TNPS in cooperation with the Carter Mountain Committee will sponsor a two-day outing on Carter Mountain, near Winchester, Tennessee. Carter Mountain is a 50,000 acre tract on the Cumberland Plateau in Franklin County. This tract, along with an adjacent 20,000 acres in Jackson County, Alabama, has been acquired over the last 35 years by the late Harry Lee Carter of San Antonio, Texas, and is being considered as the core of a proposed 335,000 acre Cumberland Plateau National Forest.

A hike is planned for Saturday along the Turkey Creek drainage into the spectacularly scenic Walls of Jericho - a nearly vertically-walled gorge of striking geological interest. After an overnight on the mountain, or in Winchester, an expedition will be led through the contiguous Cave Cove - Farmers Cove - Wolf Cove - Sinking Cove system. Information supplied by the Tennessee Heritage Program indicates that these areas support mixed hardwood forests and an unusually rich understory flora including several species listed by the Ad Hoc Committee for Tennessee Rare Plants as endangered, threatened, or of special concern in Tennessee.

If you plan to attend or need additional information on this outing, please contact Larry Smith at the Tennessee Heritage Program Office 507, at 1720 West End Avenue, Nashville, TN 37203. (Phone: 615 - 741-3852)

TNPS APRIL FIELD TRIP: CEDARS OF LEBANON STATE PARK

The Tennessee Division of State Parks and TNPS will co-sponsor a wildflower pilgrimage in Cedars of Lebanon State Park in Lebanon, TN, on April 20 & 21. The cedar glades will be at the peak of the spring flowering season and we should see many of the 19 endemic species found in this scenic area. In addition to walks, there will be geology field trips, birding, stargazing, slide presentations and wildflower photography workshops.

Programs will start Friday evening at 7:00 in the State Park Recreation Building with a slide presentation on cedar glades flora. Saturday morning birding field trips will start around 6:30 AM with a second shift for stragglers around 8:00. Wildflower hikes will start around 9:30 AM. Information on definite times will be posted in the Park Office that weekend.

Program leaders will include Dr. Elsie Quarterman, Dr. Tom Hemmerly, Pat Quarterman, Jim Robertson, Mack Prichard and many other illustrious folks. So come and learn as much as you can from them!

Campsites (for 1-4 persons) are available in the park for \$4.00/night or motel accommodations may be found in Lebanon (about 8 miles from the Park). For more information contact Mr. Bob Fulcher, Division of State Parks, 2611 West End Avenue, Nashville, TN 37203.

NATIVE PLANT PROTECTION BRIEF
by Rex Boner

According to the TNPS Constitution, one of our objectives is to 'promote the protection and enhancement of Tennessee's wild plant communities'. Although this can be accomplished several ways, the traditional approach has been for sympathetic conservation organizations or agencies to acquire in fee simple the habitat of such plant communities and to manage them appropriately. Such is the case at May Prairie in Coffee County and Savage Gulf in Grundy County and other areas across the state that have been included in the State Natural Areas Program and that have been acquired with state and federal funds. Another significant area, Taylor Hollow in Sumner County, has been purchased with private funds by The Nature Conservancy to protect the old-growth forest and rich mesic flora that the site supports.

Taylor Hollow, to be managed by The Nature Conservancy primarily as a research natural area, contains several significant plants including two plants not known to occur elsewhere in the state: Blue-eyed Mary (Collinsia verna) and Trillium (Trillium pusillum var. pusillum) and several other rare species.

TNPS supports this effort of The Nature Conservancy and has agreed to distribute the enclosed announcement of the Taylor Hollow fundraising drive and the opportunity to win the artist's proof of 'Endangered' by Fleur Cowles. Contributions should be sent to: The Nature Conservancy, 1720 West End Avenue, Suite 600, Nashville, TN 37203.

TNPS PARTICIPATION IN DOGWOOD ARTS FESTIVAL

TNPS has a wonderful role to play in the 1979 Knoxville Dogwood Arts Festival. We will be conducting several wildflower walks in four places of interest in Knoxville. We need leaders! Walks will take place from 1:00 - 2:30 PM as follows: at Ijam's Nature Center on April 6 and 20; at the Third Creek Bicycle Trail on April 11 and 18; at the UT Arboretum on April 9 and 16; and at the UT Woodlot (behind UT Hospital) on April 13 and 17.

Please contact Sally Suber at 10822 Sallings Rd., Knoxville, TN 37922, (phone 615-966-3110) if you would be willing to be a leader for one of the walks. We need to offer our very best for this festival-sanctioned event! The Society can make enormous strides, but only if you help.

TNPS SLIDE SALE

Our Society needs a healthier budget. One way we can help is by offering our members slides of favorite Tennessee flowers, mosses, mushrooms, and trees. We are asking each member to delve through his own personal slide collections for prize specimens. Please send a copy or copies of those treasures to us. Linda Ewald, 949 Ponder Rd., Knoxville, TN 37919 (phone 615-693-0287) will be our special artist for this venture. She needs to have your name, address, plant identity, and where the photograph was taken included with each slide. We will have these slides copied and packaged in special interest groups (i.e., regional flowers of Tennessee, ferns, etc.). Each slide will be assigned with the photographer's name. Let's rally together for a beautiful slide sale.

REMEMBER THE ROCK ISLAND STATE PARK FIELD TRIP THIS WEEKEND - MARCH 17!

OAK RIDGE AIRPORT CONTROVERSY

In early December, it came to our attention that an effort was being made by the City of Oak Ridge to acquire a portion of the University of Tennessee's Oak Ridge Forestry Experiment Station for a city airport. As you know, this Experiment Station includes the University of Tennessee Arboretum. The University declined the City's request in late November and at that time the TNPS Board of Directors authorized the following letter supporting the University's position. Much discussion has taken place since December but no final action has been determined. We will keep you informed of future action. Meanwhile, if you, as an individual citizen, feel strongly about this matter, we urge you to make your feelings known to both the University of Tennessee and City of Oak Ridge officials.

For your information, we have reprinted the contents of the TNPS letter to the University of Tennessee and the University's response on the next page.

CARTER COUNTY WILDFLOWER TOURS

The 21st Annual Carter County Wildflower Tours and Bird Walks will get underway April 20, 21, 22. Anyone wishing information about events may send his name and address to Carter County Chamber of Commerce, Elizabethton, TN 37643.

TNPS LETTER TO UNIVERSITY OF TENNESSEE CONCERNING OAK RIDGE AIRPORT:

Dr. Edward J. Boling, President
 The University of Tennessee
 831-A Andy Holt Tower
 Knoxville, Tennessee 37919

December 20, 1978

Dear Dr. Boling:

The Tennessee Native Plant Society is a statewide organization of about 650 members which has as its goal the conservation of Tennessee's diverse natural flora. While the University's Department of Botany has granted us temporary use of its mailing address as a public service function, the Tennessee Native Plant Society has no formal association with the University of Tennessee.

We recognize the necessity of native plant research aimed at better wildland management for both economic and esthetic benefits. Therefore the Tennessee Native Plant Society strongly supports the University of Tennessee's decision not to transfer 100 acres of the Oak Ridge Forestry Experiment Station to the City of Oak Ridge for an airport site. As Dr. Joseph Johnson noted in his good letter of November 28, to Mayor A. K. Bissell, the existing long-term experiments on the site are vital to the University's important role in wildland research. An airport in the proposed location would represent a tragic loss of research investment. The Tennessee Native Plant Society appreciates the University's position and offers its assistance in preserving the present status of the Oak Ridge Forestry Experiment Station.

Sincerely,
 Robert E. Farmer, Jr.
 President

THE UNIVERSITY OF TENNESSEE'S RESPONSE:

Mr. Robert E. Farmer, Jr., President
 Tennessee Native Plant Society
 The University of Tennessee
 --Campus--

December 26, 1978

Dear Mr. Farmer:

Thank you for your letter in which you relate the support of the Tennessee Native Plant Society for complete preservation of the University of Tennessee's Oak Ridge Forestry Experiment Station. We certainly share this view and do not wish to have a 150-acre airport in the middle of this natural area. Of course, the need of the City of Oak Ridge for a convenient municipal airport is real. It is our hope that Oak Ridge officials can find an appropriate site some place outside the UT forestry experiment area.

Sincerely yours,
 Joseph E. Johnson
 Executive Vice President
 and Vice President for
 Development

TREASURER'S REPORT

Our Charter dues plus additional welcome contributions from members allowed us to finish our first year with our financial house in order, albeit with some initial secretarial, printing and postage support from the University of Tennessee Department of Botany and the Tennessee Valley Authority. Three individuals made loans to cover printing costs for the notecards, which have been repaid this year out of proceeds, and there are still about three hundred sets of cards to sell for additional income. The increased dues for this year should cover operating costs, regular newsletter issues and some seed money for a more elaborate publication, which is fermenting in the Publications Committee.

FINANCIAL STATEMENT FOR 1978

	<u>Debit</u>	<u>Credit</u>
Printing, Newsletter	\$341.98	
Printing, notecards	392.20	
Postage	50.77	
Room rental for meetings including promo. booth at Gatlinburg Wildflower Pilgrimage	95.00	
Supplies	30.50	
Bank Charges	11.79	
Deposits:		
Charter memberships and contributions		\$700.00
Loans for notecard printing		<u>392.20</u>
Totals	922.24	1092.20
Balance in account	<u>169.96</u>	
Totals	\$1092.20	\$1092.20

I will add that we now have a bank balance of \$702.51. This includes carry over funds from 1978, new memberships (including 2 Life Members) and Memorials and Contributions from Members and Friends of \$175. I shall propose to the next meeting of the Board of Directors that Contributions, Memorials, and Life Membership income be placed in a special account to maintain the principal and produce income for current expenses.

A. Murray Evans - Treasurer

NATIVE PLANT SEED BANK UPDATE

We have had offers of seed from the Tennessee Botanical Gardens in Nashville, from the Memphis Pink Palace Museum and from several individual members. If you have seeds of native plants to share, let us know. Send a card to: Mrs. Tom Siler, 4201 Alta Vista Way, Knoxville, TN 37919. Next month, more on procedure and what's available.

NOTICE!!! THE DEADLINE FOR THE MAY NEWSLETTER IS MAY 2!

A NOTE ON MEMBERSHIP CATEGORIES

The January Newsletter listed the four categories of TNPS membership but did not really explain the differences between them. We have outlined these below. If you have not yet renewed, this may help. But DO RENEW! The strength of the Society depends on the participation of the membership.

<u>Category</u>	<u>Dues</u>	<u>Privileges</u>
Active	\$3	Regular membership with voting rights, newsletters and the Bulletin, which we have in the planning stages and intend to produce at least once during 1979. Covers one person or an entire family, but carries only <u>one</u> vote per membership. Additional voting rights for couples or families would come through additional Active memberships.
Associate	\$1	Includes the Newsletter and participation in all activities, <u>except</u> voting rights and the Bulletin.
Institutional	\$10	Includes Newsletter, Bulletin, participation in all activities and <u>one</u> vote. For libraries, governmental agencies at <u>all</u> levels, parks, recreation areas, consulting firms, other business firms, etc.
Life	\$100	Same as the Active membership, but a one-time life membership; the funds to be invested; the annual income to be used for current expenses and growth.

Any additional contributions are welcome and will be gratefully received, and will undoubtedly be applied to publication costs of the Bulletin. However, we don't want people to think they are paying more (or less) than they should.

MEMBERSHIP RENEWAL 1979

To renew your membership for 1979, complete and return the attached form, indicating the membership category desired.	Active	\$ 3.00
	Associate	\$ 1.00
	Institutional	\$ 10.00
	Life	\$100.00

Send to: Tennessee Native Plants Society
c/o Department of Botany
University of Tennessee
Knoxville, Tennessee 37916

Check your address on the reverse side of this form. If incorrect, indicate the necessary changes below.

Name: _____

Address: _____

Phone: _____ (please include)

SMOKY MOUNTAIN WILDFLOWER PILGRIMAGE - TNPS MEETING

In late April, the Smoky Mountain Wildflower Pilgrimage will again be a high point in the TNPS year. The main attraction will be, of course, the wide array of field trips and the Pilgrimage's scheduled evening programs. Many of our members will be leading trips. Our Society supports this and the other gatherings of native plant enthusiasts now held about the state in the spring. We urge members to participate. In Gatlinburg, the TNPS will again sponsor a booth; Sally Suber, our Publicity Chairman, will welcome assistance with this project. On Friday evening, TNPS members will have the opportunity of dining together at the Mountain View Hotel and joining a discussion of the Society's activities; we will finish in time to attend the evening program. We hope you will plan to join us for this event by returning the reservation form below to our Vice-president, Carl Dew.

TNPS WILDFLOWER PILGRIMAGE DINNER

I plan to attend the TNPS dinner on Friday, April 27, 6:15 PM, at the Mountain View Hotel in Gatlinburg. The price will be \$8.50/person*.

Name: _____

No. in party: _____

Address: _____

*If change in plans prevents your attendance, please notify Carl Dew or TNPS will be financially obligated for your meal.

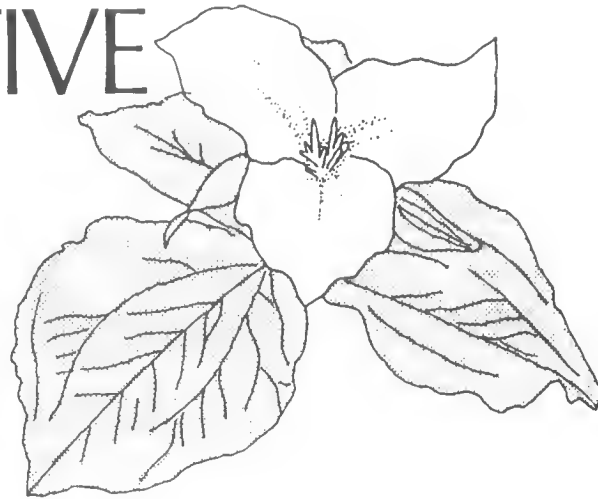
TENNESSEE NATIVE
PLANTS SOCIETY

% Department of Botany
The University of Tennessee
Knoxville, TN 37916



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TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER



March 28, 1979

MARCH NEWSLETTER UPDATE

Two pieces of critical information were omitted from articles in the March Newsletter. On Page 8, "Smoky Mountain Wildflower Pilgrimage - TNPS Meeting", Vice President Carl Dew's address was left out. It is as follows:

Mr. Carl Dew
P.O. Box 455
Lake City, TN 37769
Phone: (615) 426-2851

On Page 2, "TNPS May Trip: Carter Mountain", the trip date was omitted. It will take place on Saturday and Sunday, May 19-20. Larry Smith has also forwarded to us a list of motels convenient to the Carter Mountain area. If you do not wish to camp out, you might call one of these for reservations:

Tullahoma: Commodore Motor Inn (615) 455-4501

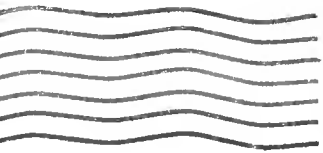
Manchester: Holiday Inn (615) 728-2236
Best Western (615) 728-9720
Driftwood Inn (615) 728-0506

Monteagle: Holiday Inn (615) 728-4619

ADVANCE NOTICE - JUNE MEETING ON ROAN MOUNTAIN

Reserve the weekend of June 30 for a meeting on Roan Mountain with the North Carolina Wildflower Preservation Society. Emphasis will be placed on the rare, threatened, and endangered flora of Roan Mountain and vegetation management plans for the high elevation country there. Details will be published in the May Newsletter.

REMEMBER TO RETURN YOUR MEMBERSHIP RENEWALS!

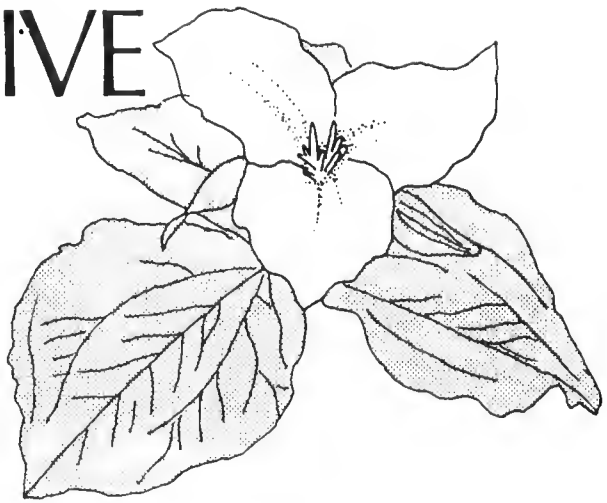


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TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER



Vol. 2, No. 3
May 7, 1979

PRESIDENT'S MESSAGE

NATIVE PLANT GARDENS

Interest in native plants reaches its annual apex with the appearance of Tennessee's abundant vernal flora. "Wildflower" rallies are now held in practically all sections of the State and the news media predictably focus attention on this more spectacular part of our natural heritage. It is also the time of year when one sees "wildflowers" for sale. It is now the "in thing" to maintain a native plant garden, and commercial traffic in plant material is increasing. This interest can be a positive force in conserving native plants. But upon viewing this new enthusiasm for cultivation, the botanist immediately wonders about the source of "Wildflowers for Sale". Unfortunately in many cases the source of plants for profit is a wild stand often uprooted at the worst possible time of the year, after the spring flush of growth.

Recently the North Carolina Botanical Garden surveyed 55 nurseries offering "wildflowers" to determine the degree to which plants were being propagated rather than collected from the wild. Of the 22 nurseries which replied to the questionnaire, six were from the Southeast and all of these collected 80 to 100 percent of their stock from natural populations. In fact, the only nurseries in the country which propagate high percentages of stock are firms selling midwestern prairie species. Thus "gathering from the wild" is having a serious negative impact upon populations of some attractive native plants, particularly vernal flora.

Members of the Tennessee Native Plant Society can slow this destructive practice. First, we can purchase only plants which are certified by the seller to have been propagated from seed or vegetatively from nursery-grown stock plants. And we should let the prospective purveyor of "dug" plants know why we will not purchase them. In some instances nonprofit organizations are collecting for sale "ahead of the bulldozer" in areas planned for development or, in the Cumberlands, before strip mining; this is an appropriate practice. Also small "dug" donations from private gardens make appropriate stock for club sales. It is the large scale commercial activity and/or many private individuals inexpertly gathering from wild stands which is detrimental. We must more effectively insist that this sort of activity be stopped.

Second, to meet the demand for wild plants we can encourage development of
(continued on p. 2)

PRESIDENT'S MESSAGE cont.

knowledge needed to successfully propagate and grow them - or to manage wildlands so as to preserve them. While there are many books on growing native plants, most contain only the barest information on individual species culture, usually acquired in an observational way. Data on seed propagation are usually missing, misleading, or very rudimentary. These books represent important beginnings which should be expanded to include more detailed information. It is unfortunate - yet understandable - that millions of public dollars are spent annually on applied research with plants of long-standing economic value and essentially nothing on native plants. Even endangered species have not acquired the sort of constituency which will demand that we learn something about their life history and ecology.

Let us hope that in the future spring enthusiasm for "wildflowers" will not die with their inflorescences but will be increasingly sustained beyond June - and that it will be transformed into the formal efforts so essential to moving from ideas to action. This effort is one of the basic aims of the Tennessee Native Plant Society. Please continue to join us in the work by renewing your membership if you have not done so.

TAYLOR HOLLOW: LOOK TOWARD ITS FUTURE - Mary Palmer Kelley

Its fun to visit a new natural area and many wildflower buffs have been eagerly awaiting the opening of Taylor Hollow, the most recent Nature Conservancy acquisition. To see Taylor Hollow is to appreciate another fine gesture by the Nature Conservancy in the name of land preservation. The natural area consisting of about 120 acres is located in Gallatin, TN. It literally abounds with wildflowers, and many are infrequent residents of Tennessee such as the Blue-eyed Mary, Collinsia verna.

Presently Taylor Hollow is undergoing a thorough study by its Stewardship Committee in order to determine the direction of future development. Area visitors now travel a quiet, narrow path which winds upward through virgin timber along a ridge rimming the hollow. A small babbling brook cuts a course below and is the site and soul of the area. The streambed habitat is extremely fragile and travellers across the adjacent hillside place many fine stands of wildflowers in jeopardy with a few misplaced footsteps. Therefore the Stewardship Committee has presently limited the access to Taylor Hollow solely to scientists involved in the development study.

We look forward to the completion of the study and the development of a trail system through the area. It is perfectly gorgeous, and I would like to see members of the Tennessee Native Plant Society support the Nature Conservancy in their efforts to finish raising funds to purchase the area. Please send all donations to: Taylor Hollow Fund, The Nature Conservancy Field Office, 1720 West End Ave., Nashville, TN 37203.

A NOTE OF APPRECIATION

We wish to recognize and thank both Garry Pyle of Andersonville, TN, who illustrated the Cumberland rosemary on Page 8, and Veronica Long of Norris, TN, who illustrated the Fringed Gentian on Page 10. We think both are extremely well done!

PLANT RESCUE: AN INVITATION - Mary Palmer Kelley

The sight of a hillside being clearcut for a condominium development or strip mining operation never fails to leave a hollow feeling in the pit of my stomach. Something as viable as a stand of hardwood is again doomed to be replaced by cement, metal, or rubble. What happens to the wildflowers and herbaceous plants that aren't considered important enough to be sold for lumber or pulp?

The loss of native habitat due to today's environmental pressures directly concerns the Tennessee Native Plant Society. One of our aims as a non-profit organization is to promote the protection and enhancement of Tennessee's wild plant communities. By relocating vegetation from an area of environmental stress, we will fulfill a vital role as a native plant constituency. In layman's terms, this means organizing plant digs.

If a construction project comes to your attention, and it is going to intrude on a favorite stand of native plants, organize some local arms and legs to help relocate specimens. You've seen signs in fields proclaiming the advent of a new shopping center. Get out of your car and look over the area. Chances are that it harbors some wildflowers that would make a nice addition to your or a friend's garden.

A plant dig must be well organized in order to efficiently move quantities of wild plants to a less fragile environment. Your role and approach will vary on each project. A general outline concerning everything from gaining access permission to parking and port-o-lets is available to serious plant rescue organizers. This is an invitation to members all over the state to initiate regional and community involvement.

The opportunity presented to the TNPS by a project of this sort has many implications. We will serve the plant community by providing eyes, ears, legs and arms. The general public is offered the chance to learn proper transplanting techniques and the philosophy of environmental protection along with its viable alternatives. A rescue operation of this nature would serve the communities of both plant and man in a positive manner.

For more information, please contact Mary Palmer Kelley, Plant Rescue, Tennessee Botanical Gardens and Fine Arts Center, Cheek Road, Nashville, TN 37205.

NATIVE PLANT SEED EXCHANGE

We will soon have the seeds of several native plants ready to distribute. Look for a list in the next issue of the NEWSLETTER. Seeds will be sent upon receipt of a self-addressed stamped envelope.

If you have wildflowers going to seed now, save the seeds and let us know what you have to share with other members. Address all seed inquiries to Mrs. Tom Siler, 4201 Alta Vista Way, Knoxville, TN 37919.

DEADLINE FOR THE JULY ISSUE OF THE NEWSLETTER IS JULY 2 !

COMMENTS BY ROBERT FARMER ON AWARDING 1979 HONORARY MEMBERSHIPS IN TNPS

In its first election of honorary members the Tennessee Native Plant Society is honoring two persons who have been pioneers in developing public awareness of Tennessee's native plant heritage. One is an amateur botanist and practical plantsman who has had a very positive influence on resource management in the State. The other is a professional botanist who has made public education an important part of his career. Both began influencing things in Tennessee in the 1920's.

A native Tennessean, Paul Adams began his work as a naturalist classifying molluscs for the Smithsonian Institution. Because of ill health, he was advised to leave the University of Tennessee shortly before he would have received his degree, but he continued to study things natural. This study took him in 1925-26 to the summit of Mt. LeConte where he - along with four others and a German Sherherd named Cumberland Jack - established the first permanent camp there. After this mountain interlude he moved to the Cumberland Plateau where the remainder of his career was as a florist and landscaper. And it was during this period that he began to keep journals on the native flora there. These journals are now in the State archives and are used by students of the region's natural history. Included in his study are initial Tennessee records for some species. Serious students of Cumberland Plateau flora have been frequently advised over the years to "check with Paul Adams". He is not only a widely known naturalist, but a respected confidant of and consultant to State and Federal natural resource officials. In presenting Paul Adams with an honorary membership in the Tennessee Native Plant Society we thank him for his years of interest in and positive influence upon the State's natural flora.

Aaron J. Sharp came to Tennessee from Ohio in 1929 to teach botany at the University of Tennessee and has remained here ever since - except for a return to Ohio to get a PhD in 1938 and numerous periods of travel; study; and teaching in Mexico, Central America, Japan, India, Taiwan, the Phillippines, the Aleutians, Alaska, and practically everywhere in North America. He is a taxonomist of international repute whose academic speciality has been the bryophytes. However, his botanical interest is broad and infectious; he enjoys sharing his knowledge with others, especially amateur botanists. Literally thousands of Tennesseans have benefited from his evening noncredit taxonomy courses at the University of Tennessee and from innumerable field excursions. In retirement Jack remains ready to head field trips at the hint of an interested group. He has also written extensively for the amateur, including a key to native plants developed especially for the pilgrimage which we are attending this week. I think it is safe to say that a majority of Tennessee Native Plant Society members developed an interest in native plants under Jack's influence. For his long support of and participation in public education in botany we thank Jack Sharp with an honorary membership in the Tennessee Native Plant Society.

LAST REMINDER FOR MEMBERSHIP RENEWAL

This is the last chance you will have to renew your membership without disruption of your membership privileges. If you have not yet renewed but intend to do so, please return the form in the back of the NEWSLETTER as soon as possible!

THE DISCOVERY OF NEVIUSIA IN TENNESSEE - Dennis D. Horn

The first siting of Neviusia alabamensis Gray in Tennessee was confirmed on April 8, 1979, by Dennis D. Horn, TNPS member from Tullahoma, Tennessee. Neviusia, a rare shrub in the rose family, was originally discovered in 1857 by Rev. Nevius near Tuscaloosa, Alabama, along the Black Warrior River, and was for many years thought to be endemic to Alabama. Small populations have since been found in Arkansas, Missouri, and in several Northern Alabama counties. Called Snow Wreath, this shrub is the only known species in the genus, Neviusia. It grows along river bluffs in dense thickets reaching heights to six feet. The flowers emerge from leafy cymes along the terminal branches. Each flower consists of five toothed sepals, no petals, but numerous stamens having showy white filaments. Flowering occurs from late March to mid-April.

The shrub was originally located by Dennis Horn on April 16, 1972, while floating the Elk River several miles below Tims Ford Dam, a site well within the Tennessee borders. Unable to identify the plant at that time, he made notes about the shrub and its location. Then in March of this year, while browsing through Wild Flowers of Alabama and Adjoining States by Blanche E. Dean, et al., he concluded that Neviusia described therein was the shrub seen seven years before. After two days of intensive search to relocate the plant, he found the Snow Wreath growing on a steep limestone bluff 50 to 80 feet above the river. Several days later he led a team of TNPS botanists to the site to record data concerning habitat, associated plant species, and abundance of the Neviusia population. The botanists were Paul Somers and Larry Smith with the Tennessee Heritage Program, Nashville; George Ramseur, University of the South, Sewanee; and Tom Patrick, University of Tennessee, Knoxville. Additional research on the Neviusia find is planned by Dr. Somers.

Ed. Note: TNPS congratulates Dennis Horn on his find and commends him for his interest and hard work. This represents a great effort on his part and is indicative of the positive contributions dedicated TNPS members can make!

ROCK ISLAND FIELD TRIP NOTES

On March 17, about 30 people took advantage of the warming weather and participated in an excursion to Rock Island State Park. Field trip leaders Fred Norris, Ron Peterson, Jack Sharp, Dave Smith and Gene Wofford lead groups in search of wildflowers, fungi, and mosses of the Eastern Highland Rim. Some of the nonflowering plants we saw were Southern maiden-hair fern, bladder (bubble) fern, and black-stemmed spleenwort. Although it was early for most fungi, we found false morels, a few mushrooms, black and red cup fungi, lots of bracket fungi, and microrhizae. Spring wildflowers in bloom were hepatica, trillium, harbinger of spring, rue anemone, violets, toothworts, and pennyworts. Special thanks to Allen Coggins for his help in organizing the trips!

1980 FIELD PROGRAM

The Program Committee will meet on the weekend of July 20 at Pickett State Park to plan the 1980 field programs. If you have ideas on field trip locations or topics or would be willing to lead a trip, contact Ed Cox, Dept. of Biology, Tennessee Wesleyan College, Athens, TN 37303.

GREAT SMOKY MOUNTAINS NATIONAL PARK SUMMER 'FIELD SCHOOL' CLASSES

A series of five-day workshops on outdoor and environment-related subjects will be held at Great Smoky Mountains National Park this summer in a cooperative program between the Park and the University of Tennessee. Seventeen topics ranging in scope from birds to photography to recreational problems of a national park will be covered between June 18 and September 7 by a staff of instructors from the Park and the University. No more than three workshops will be held in any one week.

Park Superintendent Merrill D. Beal said the workshops to be held during the 'Smoky Mountains Field School' will offer 'a rich opportunity to enhance the quality of visitor experiences through in-depth study with leaders who are well acquainted with the Park's features.'

Workshops will be held Monday through Friday each week for a total of 10 weeks. Instruction will include classroom activities as well as field trips in the Park. The registration fee will be \$75 per student per workshop. Students will be required to furnish their own room and board, but camping fees will be waived for those who wish to stay in a Park campground during the days their workshop is being held.

Following is the schedule for the Smoky Mountains Field School for 1979:

- June 18-22: Summer birds of Great Smoky Mountains National Park; Identification of woody plants; Backpacking
- June 25-29: Natural history of Great Smoky Mountains; Wildflowers of the Smokies
- July 2-6: Exploring the Smokies geologically; Plant communities of Great Smoky Mountains
- July 9-13: Identification and natural history of ferns; Outdoor photography; Conservation issues in the Smokies region
- July 16-20: Management problems in the Great Smoky Mountains; Mushroom identification
- July 23-27: Botanical photography
- July 30-Aug. 3: Flora of Great Smoky Mountains
- Aug. 13-17: Man in the Smokies
- Aug. 20-24: Environmental education
- Sept. 3-7: Recreational problems of a national park

Additional information can be obtained by writing Great Smoky Mountains National Park, Gatlinburg, TN 37738, or The University of Tennessee, Non-Credit Programs, 2016 Lake Avenue, Knoxville, TN 37914.

ROAN MOUNTAIN AND BLUFF MOUNTAIN FIELD TRIPS - JUNE 30 AND JULY 1

On Saturday, June 30, Ed Cox has organized a day on Roan Mountain. We will assemble at 9:00 sharp at Carver's Gap Parking Area. (To get to the parking area from the Tennessee side, take 19E from Roan Mountain, Tn, to TN 143; turn on TN 143 up the mountain to the parking area. To get there from the North Carolina side, take NC 261 from Bakersville, NC, up the mountain to the parking area.) From the Carver's Gap Parking Area, trips will leave for Carver's Gap on Roan Mountain; Wilbur Dam and Iron Mountain; Hunter Boggs; Roan Mountain State Park Trail; Laurel Fork Waterfalls on the Appalachian Trail; Ripshin Mountain in the Flatrock Area; and the Holston Mountain Area.

At 7:30 PM on Saturday night in Cloudland Elementary School, Dr. A. Murray Evans, Professor of Botany at the University of Tennessee, Knoxville, will present an evening program on 'Rare Plants of the Roan'.

On Sunday, July 1, TNPS President Rob Farmer will escort us to an 'all day tour' of Bluff Mountain in North Carolina. Cars will leave the parking lot next to Cloudland Trail on top of Roan Mountain at 8:30 sharp. Ken Moore and Harry Phillips will lead the tours on Bluff Mountain. These tours will be limited to 10 persons each. The total number of persons permitted on tours will depend on the addition of other tour leaders. The tours should be over by about 3:30 PM.

Motel accommodations are available at Roan Mountain, Elizabethton, and Johnson City, TN, but reservations should be made early. The Roan Mountain State Park has space available for recreational vehicles, and tents may be set up according to Park rules. Come prepared for foul weather. Have good rain gear, sturdy shoes, light jacket, canteen, and a lunch for both the Roan Mountain and Bluff Mountain trips.

For more information, call Ed Cox in Athens, TN, at 615/745-5945 or 745-6845.

ROAN MOUNTAIN VEGETATION MANAGEMENT PLANNING

On May 8, members of the North Carolina Wildflower Preservation Society and the Tennessee Native Plants Society will meet on Roan Mountain with U.S. Forest Service landscape architect Richard Gueho to lay plans for mapping endangered and threatened species this summer. Members who know Roan Mountain or are interested in learning the flora there and who would like to participate in this important cooperative effort should contact Tom Gatti, P.O. Box 3356, Kingsport, TN 37664, or Rob Farmer, Drawer F, Norris, TN 37828.

TNPS NEEDS A STATEWIDE MEMBERSHIP CHAIRPERSON

Due to the resignation of the 1978 Membership Chairman, the TNPS is looking for a person to head this important work. The volunteer needs no experience, but should be a self-starter, enjoy bringing folks into the organization, and be able to plan and carry out a systematic recruitment program. If you are interested, contact Rob Farmer, Drawer F, Norris, TN 37828, or Selma Myers, Rt. 7, Box 401, Harriman, TN 37748.

THOMAS GRAY

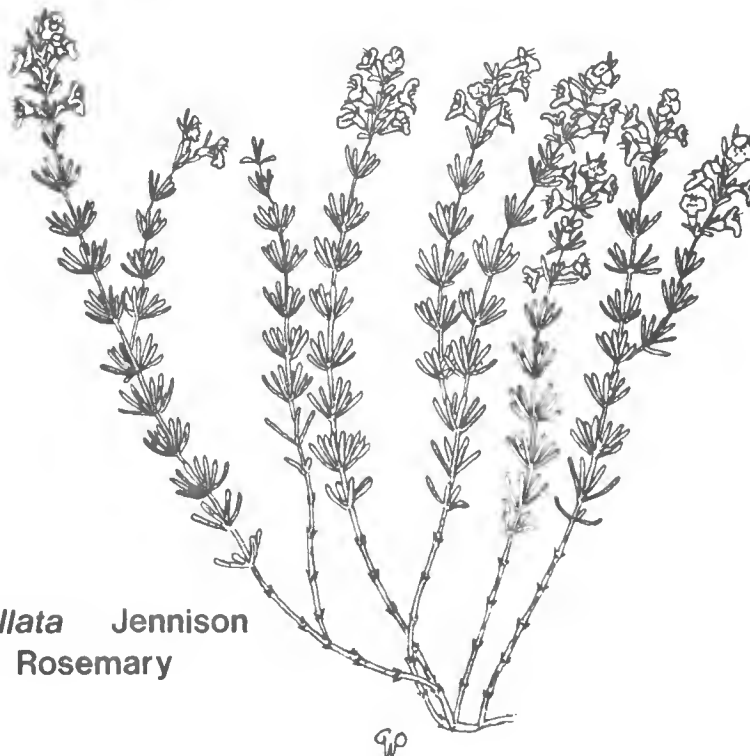
Tom Gray of Elizabethton, one of TNPS's charter members, died of a heart attack shortly before the Carter County Wildflower Pilgrimage of which he was a major organizer. At its Gatlinburg meeting on April 27, the TNPS approved a resolution of sympathy. We will miss Tom's extraordinary enthusiasm and concern for the State's botanical resources.

MAPPING THE CUMBERLAND ROSEMARY

Anyone interested in helping locate communities of the Cumberland rosemary should meet at the cafe at Rugby, TN, at 9:30 A.M. (EDT) on May 26, the last Saturday of the month. Weather permitting, we hope to have a two-day, 11 mile float down the Whiteoak Creek and a section of the Clear Fork River, both reputed to be quite beautiful, with no major rapids. Bring sleeping bags, canoes, rafts, etc. For further information, call Matthew Bennett in Nashville, TN, at 615/262-3160, or write him at 1109 Holly St., Nashville, TN 37206.

REMAINING SUMMER TNPS FIELD TRIPS

Following the Roan Mountain weekend at the end of June, TNPS will sponsor two more field trips to round out the summer. They are Rock Houses in Pickett County, TN, on July 28-29, and Goose Pond, May Prairie and Dick Cove on August 25-26. Mark them on your calendar so you won't miss them. We will provide details in later NEWSLETTERS.



Conradina verticillata Jennison
Cumberland Rosemary

CARTER MOUNTAIN WEEKEND - MAY 19 - 20

A brief reminder that the Carter Mountain Weekend, previously announced in the March 9 TNPS NEWSLETTER, will be held on Saturday and Sunday, May 19 - 20. Persons planning on attending should bring sturdy hiking shoes or boots and a sack lunch. We will assemble at 9:00 AM (CDT) at the Franklin County Bank, located one block from the Franklin County Courthouse in Winchester, TN. Both Saturday and Sunday hikes will depart from the bank shortly after 9:00 AM.

For individuals interested in camping near Winchester Friday and/or Saturday nights, Tim Ryan of the Carter Mountain Committee has made his farm available. Persons needing maps to Tim Ryan's farm and additional information on this outing should contact Larry Smith, Tennessee Heritage Program, Suite 507, 1720 West End Avenue, Nashville, TN 37203 (615/741-3852).

FORAGING WORKSHOP - MAY 26 - 27

On May 26 & 27, in Dowelltown, TN, Steven Taylor will conduct a Foraging Workshop. Come and spend a weekend in the hollows, hills and fields of middle Tennessee. Share the beauty and useful knowledge of trees, edible wild plants and medicinal herbs. Bring camping gear and food. Children are welcome. The cost for the weekend is \$18/adult and \$2/child. This fee is negotiable for low-income people.

For more information, including map and directions, plant list, what to bring and schedule, please write in advance to Steven Taylor, Rte #1, Whippoorwill Holler, Dowelltown, TN 37059.

MEMBERSHIP RENEWAL 1979

To renew your membership for 1979, complete and return the attached form, indicating the membership category desired:	Active	\$ 3.00
	Associate	\$ 1.00
	Institutional	\$ 10.00
	Life	\$100.00

Send to: Tennessee Native Plants Society
c/o Department of Botany
University of Tennessee
Knoxville, Tennessee 37916

Check your address on the reverse side of this form. If incorrect, indicate the necessary changes below:

Name: _____

Address: _____

Phone: _____



Gentiana crinita Fröl
Fringed Gentian

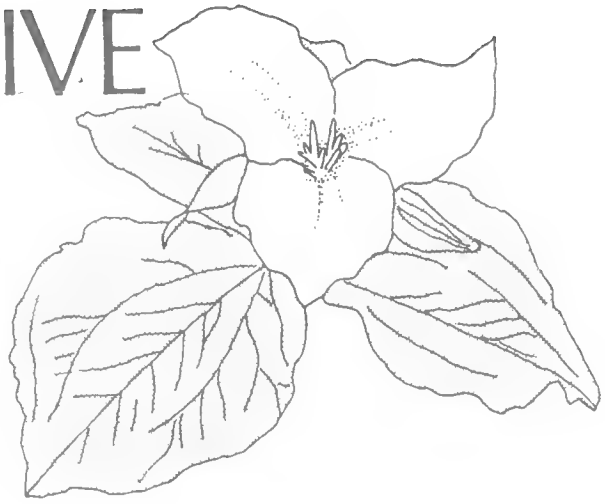
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TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER



Vol. 2, No. 4
July 7, 1979

PRESIDENT'S MESSAGE

On June 5, the U. S. Fish and Wildlife Service 'listed', by a rule published in the Federal Register, the Tennessee purple coneflower (Echinacea tennesseensis) as an endangered species under the 1973 Endangered Species Act. The rule noted that (1) loss of habitat due to residential development and (2) overutilization due to the species' esthetic and possibly medicinal qualities are threats to its existence. There are three extant colonies of coneflowers in Tennessee: (1) on private land in Davidson County in an area undergoing rapid recreational and residential development, (2) in a corporation's crushed limestone lot in Rutherford County and (3) on a privately-owned site adjoining Cedars of Lebanon State Forest. The Tennessee Department of Conservation is making efforts to formally protect these sites.

The Tennessee purple coneflower has attractive inflorescences which make it appealing to wild plant enthusiasts, and picking is believed to be partly responsible for its present status. It is now illegal to engage in interstate or foreign commerce with E. tennesseensis. However, as noted in the rule, the species is threatened by taking, an activity not prohibited by the Endangered Species Act of 1973. The Tennessee Native Plant Society can now do at least two things to help ensure that the species remains in existence. First we want to prevent taking. The Tennessee Department of Conservation should be encouraged to continue its efforts to protect sites. Present owners are sympathetic to protecting the species; we thank them for their enlightened interest. Members of TNPS should not take plants or inflorescences under any circumstances and should strongly discourage others from taking. Second, we should encourage appropriate public agencies with research and development capabilities and plant propagation facilities to rapidly establish (under U. S. Fish and Wildlife Service permit) programs aimed at expanding the populations to additional suitable sites. This work should begin with a careful seed collection this fall. Several nursery populations should then be established from which material can be produced for plantings on protected natural areas.

The Tennessee Native Plant Society thanks the Tennessee Heritage Program botanists for their recommendation that E. tennesseensis be 'listed' and LaVerne Smith, U. S. Fish and Wildlife Service botanist, for her 'determination' on this species. TNPS further pledges itself to the quick recovery of the Tennessee purple coneflower.

DEADLINE FOR SEPTEMBER NEWSLETTER - SEPTEMBER 4 !!!

ROAN & BLUFF MOUNTAINS - ROB FARMER

We probably could not have planned two days of more diverse high elevation Appalachian botanizing than we experienced on June 30 and July 1. The early Saturday morning rain had completely ceased at Carver's Gap by the time the 30 of us began organizing the first day's excursions. The group was a mixture of familiar faces from recent TNPS weekends and some upper East Tennesseans new to our trips. Roan Mountain expert Ed Schell led the planning and was assisted by Roan specialists Herb Armentrout, Gary Barrigar, Ronnie Vance and Tom Gatti. Only a few North Carolinians led by Emily Allen joined us due to some newsletter problems in their organization, but their enthusiasm and knowledge added much to the day. We were also honored by guest Dr. Elbert L. Little (recently retired chief dendrologist with the U. S. Forest Service) who, along with several others, was visiting the Roan for the first time.

Large-scale maps were distributed for plotting populations of the several endangered and threatened species as part of our cooperative project with the U. S. Forest Service. One group headed northeast toward Grassy Bald under Ed's leadership; the other (including me) went southwest with Herb to the rhododendron gardens (which were still in full bloom) and the Roan High Overlook to look for mountain avens (Geum radiatum) and the Roan Mountain bluet (Hedyotis purpurea var. montana). Gary and Dr. Little went off to a low elevation site for a quick look at one of Tennessee's few Carolina hemlock (Tsuga caroliniana) stands. The bluets were in vigorous full bloom and the spreading avens seemed to have actually spread since last season, though it was not yet in bloom. At the Overlook we met the new Assistant District Ranger (for the Toecane) Joe Bonnette with whom we shared our mapping plans and our interest in good management for this nationally important bit of Appalachian high country.

On the afternoon's walk out on the grassy ridges north of Carver's Gap, we met Ed Schell's now scattered group, some members of which subsequently followed him in an adventuresome afternoon slide down to some lower elevation orchids. Others relaxed on balds and in gaps listening to bees and watching the bright splotches of flame azalea fade. We walked by at least one spectacular colony of Gray's lily (Lilium Grayii) which seemed to have expanded since last season and lots of singles all preparing for anthesis. At the northern rocky ridge of Grassy Bald we again noted Roan bluets clumped between pieces of talus, argued briefly about chokeberry (is it Pyrus, Aronia, or Sorbus melanocarpa?), and waded back through ridgetop oceans of purple rhododendron. The Arenaria groenlandica (mountain sandwort) was blooming in crevices of boulders as we had a late afternoon beer among the disjunct Alnus crispa and imagined we were back near James Bay.

Only a day on Bluff Mountain (in Ashe County, NC) can follow an act like a clear summer's afternoon on the Roan - and it does so in spectacular fashion, especially if led by Ken Moore and Tom Howard, two of North Carolina's best botanical interpreters. Bluff is now secure in the stewardship of The Nature Conservancy and accessible only to interested formal groups (such as ours) and qualified researchers after clearing several administrative check points which together open the chained gate at the mountain's base. From this base to Perkin's Rock one is blitzed by botanical diversity. The 20 of us probably shot 50 meters of film without stepping off the trail (off-trail is against the ground

(continued on page 3)

ROAN MOUNTAIN CONT.

rules) or taking more than duplicates. And that's just one day in July; there's spring, late summer and early fall, all with their own stars. On this day they were the Gray's lily and the purple-fringed orchid (Habenaria fimbriata) - though I was personally more excited by seeing what may now be the southern edge of chokeberry's (Prunus virginiana) range. We rock-hopped the edge of a bog-fen, watched a few moments in the life of a cliff-top Carolina hemlock stand, ate lunch surrounded by bluets on a windy rock, drank from a mountain-top spring, and before departing easily settled a milkweed argument by finding the two subject species (Asclepius exaltata and quadrifolia) almost side by side.

JULY FIELD MEETING: ROCK HOUSES IN PICKETT COUNTY

The next TNPS field meeting will be held in Pickett County the weekend of July 27-29. Bob Fulcher, from the Tennessee Department of Conservation, has organized a whole weekend devoted to exploring the rock formations in and around Pickett State Park.

The weekend activities will begin at 7:00 on Friday evening at the State Park Headquarters with a program presented by one of the Park's seasonal naturalists. On Saturday morning, we will meet at 10:15 at the Jordan Motel on US 27, three miles south of Jamestown. (All those who camp at Pickett State Park may meet at Park Headquarters at 9:30 AM and we will carpool/caravan to the motel.) We will spend the rest of the day exploring rock houses in the area. Make sure to bring your lunch and something to drink and to wear comfortable 'exploring' clothes. We will get back in the late afternoon in plenty of time for supper followed by another program that evening at Pickett State Park Headquarters.

On Sunday morning we will gather at 10:00 at Park Headquarters to hike up to the Twin Arches in the State Park. This will be a fairly rigorous 3-4 mile hike so wear comfortable hiking shoes. Also make sure to bring your lunch and something to drink. We will probably return to Park Headquarters around 3:00 or 4:00 PM.

NATIVE PLANT SEEDS AVAILABLE

We are ready to offer seeds of four native plants to TNPS members. Please send a self-addressed, stamped envelope with your request to Mrs. Tom Siler, 4201 Alta Vista Way, Knoxville, TN 37919. Available are Columbine (Aquilegia canadensis), Evening primrose (Oenothera biennis), Ruth's golden aster (Heterotheca ruthii), and Aaron's rod (Verbascum Thapsus).

Seeds for this distribution are being contributed by Kenneth S. Warren (Oak Ridge), Minnie L. Walker (Memphis), Mary Palmer Kelley at the Tennessee Botanical Garden (Nashville), Larry M. Wilson at the Pink Palace Museum (Memphis) and Robert E. Farmer, Jr. (Norris).

If you are looking for other seeds, send a request. We have a few others available, but not in quantity. If you have seeds to contribute, send those too. We have storage space available at the Botany Department at the University of Tennessee in Knoxville.

PLAN AHEAD! SHADY VALLEY BOG FIELD TRIP ON OCTOBER 13 - 14

MEMBERSHIP CHAIRPERSON

Mrs. W. C. (Wanda) Gobbell of Rte 3, Davis Springs Road, Tullahoma 37388, has accepted appointment as statewide Membership Chairperson for the TNPS. Wanda brings to the job extensive experience in garden club activities, an interest in people, and strong support of the TNPS goals and programs. She will be asking for assistance from some members to develop regional membership programs. Please give her your support and help!

CONSERVATION CHAIRPERSON

Rex Boner, our active Conservation Chairperson for 1978, has left Tennessee for a position in Minnesota with The Nature Conservancy. We appreciate Rex's effective efforts during our organizational year. Replacing Rex in this leadership position will be Paul Somers of Route 8, Holly Tree Gap Road, Brentwood, Tenn 37027. Paul is already deeply involved in the TNPS conservation program. Paul, who is a professional botanist, has had broad experience in conservation organizations and has specialized in endangered species mapping while on the TNPS Conservation Committee. The committee will continue to lead TNPS efforts in plant mapping, legislation, seed bank, and plant rescue operations.

MEDICINAL HERB NOTECARDS NOW AVAILABLE!

We had such a good response to our first edition of notecards, the Threatened and Endangered Species, that we have commissioned a new edition of drawings of medicinal herbs. Two different sets are available. The first contains three cards each of Aaron's Rod (Verbascum thapsus), Pennyroyal (Hedeoma pulegioides), Wild Ginger (Asarum canadense) and Jimsonweed (Datura stramonium) and costs \$2.00. The second set contains 6 cards of Pipsissewa (Chimaphila maculata) and costs \$1.00. Sets of the original edition remain at \$2.00 per set.

We'd like to thank the artists who donated their time and talent on these new notecards for our benefit. Once again they have done an excellent job! In the first set, the Aaron's Rod and Pennyroyal were drawn by Garry Pyle and the Wild Ginger and Jimsonweed were drawn by Barbara McBride. The Pipsissewa in the second set was drawn by Andrea Higdon.

All notecards may be ordered from Ms. Joan Vaughan, Rte 2, Box 175, Newmarket, TN 37820. Please add \$.50 for postage and handling for each set of cards.

CUMBERLAND ROSEMARY MAPPING TRIP - JACKIE MCKITRICK

Eight hardy souls attended the first Cumberland Rosemary (Conradina verti-cillata) mapping trip on May 26. The Rugby area along White Oak Creek and Clear Creek was searched. We relocated a known locality and spotted one other potential site. Our search is now focusing on the Big South Fork of the Cumberland River.

If you are interested in river bluffs and sandy river shoals, hiking and canoeing, and the ecology of an endangered species, then join us in the next mapping venture. Meetings will be announced in the newsletter, but if you're interested, you may also contact Dennis Horne, 222 Crestwood Drive, Tullahoma, TN 37383.

AUGUST FIELD TRIP: MAY PRAIRIE, GOOSE POND AND DICK COVE

On the weekend of August 25, Mack Prichard will coordinate trips to May Prairie, near Manchester; Goose Pond, in Coffee County; and Dick Cove, on the Sewanee domain. For those of you who may not be familiar with middle Tennessee, May Prairie is probably the only remnant of prairie land left in the Highland Rim area. It was purchased and turned over to the State of Tennessee and is currently being managed by the Tennessee Department of Conservation. Goose Pond is a designated natural area located on Arnold Engineering Development Center land near Tullahoma. It is an area of emergent vegetation, open pond, and swamp woods, and it has a large variety of endangered plants. Dick Cove is an area of around 250 acres owned by the University of the South at Sewanee. It includes almost-virgin mixed mesophytic forest which was conservatively cut around the turn of the century. It is a National Natural Landmark.

We will meet Saturday morning at 9:00 AM (CST) at the Old Stone Fort State Park Museum in Manchester. All trips will leave from there. Trip leaders will include Grady York and Sanford Mcgee of Manchester, Robert Kral and Mack Prichard of Nashville and Jean Yeatman of Sewanee. On Saturday evening, back at the State Park Museum, we will see slides of May Prairie and Goose Pond.

The Trips will include driving as well as light walking. You may either bring your lunch or stop at one of the many cafes in the area during the lunch break.

SEPTEMBER FIELD TRIP: REELFOOT LAKE

The September field meeting will be held at Reelfoot Lake with Marilyn Williamson as leader. We will meet at 1:00 p.m., Saturday, September 22, at the Reelfoot Lake State Park Museum for an afternoon on the lake. This will be followed by an evening program entitled "Reelfoot Lake: Past, Present, and Future," which will be presented at the Reelfoot Lake Air Park Inn. On Sunday morning, a land-based botanical excursion will be held in areas adjacent to the lake. We will adjourn at noon so that East Tennesseans can return home by Sunday night.

Accommodations are available at the Reelfoot Lake Air Park Inn, Tiptonville, TN, and at numerous motels in the area. Contact Marilyn Williamson, Natchez Trace State Park, Wildersville, TN 38388 for details. Since boat arrangements require an attendance estimate, please mail Marilyn the attached form if you plan to attend.

We plan to attend the TNPS meeting at Reelfoot Lake on September 22-23.

Name: _____

Address: _____

Phone: _____ No. in party: _____

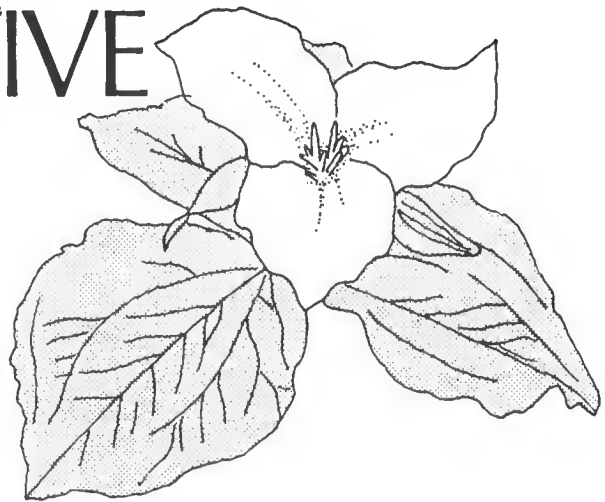
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1/0 Department of Botany
The University of Tennessee
Knoxville, TN 37916



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TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER



Vol. 2, No. 5
September 7, 1979

PRESIDENT'S MESSAGE

During the past year the Tennessee Native Plant Society has sponsored field trips into some botanically interesting and sensitive natural areas. The objectives of these trips are to (1) educate the membership, (2) generate an enlightened awareness of Tennessee's floral diversity, especially its rare and endangered elements, and (3) provide an outdoor social occasion at which members can meet persons with similar interests. The whole emphasis of the field trips and our other programs is to create a broader awareness of the state's native plant resources. The program is based on the assumption (not too frequently stated explicitly and perhaps contested) that a greater awareness will ultimately have a beneficial influence on these resources. We recognize that the opposite could be true. The wider publicity given to sensitive plant communities and rare species could result in their being the subject of destructive activity - or being 'loved to death'. It is for this reason that some professional botanists have over the years been reluctant to reveal the locations of populations of rare species. For example, our rare plant mapping on Roan Mountain is based on the assumption that one must know where the plants are before management plans for their preservation can be made. The 'listing' of Echinacea tennesseensis as endangered under the Endangered Species Act of 1973, which involves public disclosure of population locations, is based on the assumption that this declaration and its associated information is needed to 'recover' the species. One might counter that all this activity is more likely to lead to destruction of the very things we wish to save, than will simply 'not stirring it'. It may also be argued that 'recovery' operations and 'management' will probably alter the genetic constitution of natural populations and result in 'artificial' distributions; such considerations are of concern to scientists investigating the natural order of things.

While we recognize these dangers, I believe that on balance a wider recognition of native plant problems will have more positive than negative results. The alternative of no formal action, given today's development-bent society, is in my opinion untenable. However, we must recognize that an organization such as the TNPS has a special responsibility to ensure that its activities do not unintentionally promote ends contrary to its goals. Our programs will be designed with this premise as a policy cornerstone.

DEADLINE FOR NOVEMBER NEWSLETTER - OCTOBER 26!

PICKETT ROCK HOUSES

A small but enthusiastic group (mostly from the University of Tennessee programs in botany and ecology) expertly led by Richard Hilten and Steve Webster spent July 29 and 30 exploring the vegetation of rock houses in and around Pickett State Park and Forest. (For those unfamiliar with this feature, rock houses are undercut sandstone cliffs of uncertain geological origin. This undercut may be almost cave-like, hence the term 'rock house'. The cliffs and their bases, which are in deep, permanent shade, support some interesting if limited plant communities.)

We began (thanks to Mr. George Scott of Jamestown to whom TNPS is grateful) on private lands directly behind the Jordan Motel where crevices filled with Silene rotundifolia (round leafed catchfly) were the main attraction. Fortunately, this bright species is mostly out of reach. At the other extreme one may pass by the Asplenium montana in wet, shady cracks and small shelves. I'm always amazed at the existence of alum root (Heuchera parviflora) in the deep and sometimes dry shade at the undercut base of these cliffs. Then there was a waterfall breaking onto mounds of freshly fallen rocks at its base.

For a late lunch we scrambled through rhododendron thickets, small waterfalls and patches of cinnamon fern to the base of Northrup Falls in a recently acquired 35 acre state natural area on Crooked Creek. The area surrounding the pool at the base of this falls is a particularly sensitive one with tenuously established stands of relatively few species on wet unstable soils. There is a fairly good colony of the Grass of Parnassus (Parnassia asarifolia) there. During and after lunch we discussed the problems associated with the increased use of these sorts of natural areas and the necessity of proper management. Members of TNPS should individually and collectively support the newly emerging system of state natural areas by working for the kind of budget necessary for their management! We are encouraged by the dedication of the enthusiastic group of state naturalists who are devoted to the system.

We visited Hazard Cave in Pickett State Park at dusk, but in time to clearly see the recently described Arenaria cumberlandensis (by TNPS members Bob Kral and Gene Wofford) and the rock house endemic Eupatorium Luciae-Brauniae.

By Sunday morning we were reduced to four TNPS members (Dobberpuhl, Farmer, Nickell and Schmalzer) and three leaders (Hilten, Webster and Odum) who took advantage of being a small group to jeep almost to the Twin Arches, which we explored from farkleberry (Vaccinium arboreum) on top to a crevice containing New York fern (Dryopteris noveboracensis) at an unlikely base wet spot. This spectacular formation, also of uncertain geologic origin, will be in the Big South Fork National Recreation Area and will require some special management if its plant communities are to survive the increased traffic. On the way out we stopped roadside to eat blackberries and to test the 'keying out' skills of graduate students and old foresters on rose-pink (Sabatia angularis) which went down easily on first passage before the deft decisions of Dobberpuhl and Schmalzer. Even the old forester guessed Gentianaceae without opening the book. And Hilten knew what it was all along.

SHADY VALLEY BOG FIELD TRIP CANCELLED!

APIOS PRICEANA, ALIVE IN TENNESSEE - ED CHESTER

Price's Wild Bean (Groundnut or Potato-Bean) is an endangered legume of limited range and rare occurrence. It is known or has been reported from Kentucky, Tennessee, Illinois, and Mississippi. Recent Kentucky reports indicate a distribution of only four counties in that state and the Committee for Tennessee Rare Plants lists it as a possibly extirpated species (not seen in Tennessee for the 20 years preceeding 1978) from Montgomery and Davidson Counties. The Montgomery County record is based upon a specimen collected by Mr. Alfred Clebsch in 1949. This site was visited on 21 July, 1979, and Apios priceana was found in abundance and in full flower. The large fleshy knob on the standard (upper petal) easily separates this species from the more common A. americana. Also, the large turnip-shaped root, which is reported to reach six inches in diameter, does not bear the elongate chain of tuber-like enlargements found in the more common species. The site is a moist, cool ravine adjacent to a spring and cave and is also one of the few known Tennessee locations for Spiranthes ovalis, the Lesser Ladies' Tresses. The area is in private ownership and appears to have been little disturbed since the original Clebsch collection. Specific site information will be furnished upon request to Dr. Edward W. Chester, Austin Peay State University, Clarksville, TN 37040.

SHOP FOR CHRISTMAS EARLY - GIVE TNPS NOTECARDS!

We had such a good response to our first edition of notecards, the Threatened and Endangered Species, that we have commissioned a new edition of drawings of medicinal herbs. Two different sets are available. The first contains three cards each of Aaron's Rod (Verbascum thapsus), Pennyroyal (Hedeoma pulegioides), Wild Ginger (Asarum canadense) and Jimsonweed (Datura stramonium) and costs \$2.00. The second set contains 6 cards of Pipsissewa (Chimaphila maculata) and costs \$1.00. Sets of the original edition remain at \$2.00/set.

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These notecards will make great stocking stuffers so stock up now and avoid the Christmas rush. All notecards may be ordered from Ms. Joan Vaughan, Rte 2, Box 175, Newmarket, TN 37820. Please add \$.50 for postage and handling for each set of cards.

REMEMBER REELFOOT LAKE FIELD TRIP!

The September field meeting will be held at Reelfoot Lake with Marilyn Williamson as leader. We will meet at 1:00 p.m., Saturday, September 22, at the Reelfoot Lake State Park Museum for an afternoon on the lake. This will be followed by an evening program entitled "Reelfoot Lake: Past, Present, and Future," which will be presented at the Reelfoot Lake Air Park Inn. On Sunday morning, a land-based botanical excursion will be held in areas adjacent to the lake. We will adjourn at noon so that East Tennesseans can return home by Sunday night. For more information, see the July Newsletter.

MEMO FROM THE CALIFORNIA NATIVE PLANT SOCIETY
(reprinted with permission)

We should like to bring to your attention the serious plight of rare plants on the Washington, D.C., political scene. As you may be aware, significant changes were made by Congress in the Endangered Species Act last fall. The new 'God' committee to resolve conflicts such as that over the snail darter has been most widely publicized. The California Native Plant Society played an important role in some good things that happened for plants: Federal-state cooperative agreements for protection programs, hitherto restricted to animals, became possible. And acquisition of habitat by the Fish and Wildlife Service for purposes of protecting rare plants was authorized, something previously possible only if the plant were simultaneously listed under the Convention on International Trade in Endangered Species.

But other changes have slowed the entire listing process and, because plants were late in getting any recognition at all, they are the most seriously affected. The listing process includes two steps: a 'proposed rulemaking' wherein the candidate species is formally proposed for 'endangered' or 'threatened' status through publication of a notice in the Federal Register; and, after a minimum period for public comment, a 'final rulemaking', again published in the Federal Register, formally declaring the status of the plant. A so-called 'critical habitat' must now be designated at the time of listing, and the economic impact of declaring the critical habitat has to be evaluated. The Fish & Wildlife Service, a biological agency and not an economic agency, has not yet been able to formulate regulations for considering economic impact. Thus listing since last fall has been limited to species threatened by exploitation if their habitat is revealed, so that a strong case can be made for not designating critical habitat.

Some 1800+ plants have now been proposed for 'endangered' status. But a further amendment last fall requires that final rulemakings must be concluded by 10 November 1979 or the proposals must be dropped. Reproposal will be possible only with the existence of new information, and legal interpretations that have been made of this requirement suggest complications. Since listing essentially has been halted, most of the proposals will likely be dropped.

This spring and summer, both houses of Congress have been considering 're-authorization' legislation that primarily extends funding for activities under the Endangered Species Act. Further amendments to the act itself are possible during this process. On the Senate side, a bill has already been approved by the full Senate. A significant amendment included in this bill was one recommended by the General Accounting Office: that the consultation requirement between federal agencies having some jurisdiction over rare species and the Fish & Wildlife Service to ascertain the likelihood of adverse impact on the species be extended from only listed species to include also species proposed for listing. The GAO (the investigative arm of Congress) felt that this measure would minimize the chances of conflict at later stages.

Though this would seem to be a very worthwhile step, it has apparently had an undesirable effect. The Fish & Wildlife Service seems to have decided at some high level that it is unwilling to accept the additional workload and that the best course of action is to jettison as quickly as possible those species merely proposed for listing. Attempts to amend the Senate bill to

CALIFORNIA NATIVE PLANT SOCIETY cont.

grant an extension of time for plants in which to complete the listing process were refused because of Fish & Wildlife Service's opposition. As rare plants have only recently received any attention at all, this is a severe blow to their welfare.

What now seems clear is that plants need far more outspoken and well organized friends in Washington than they have had so far. This is why we appeal to you now. If plants lose ground this time, we must be prepared to fight to regain that ground and to move forward when the next reauthorization legislation comes under consideration. Effective spokesmen for animals abound. Those of us, professionals and laypeople, interested in the welfare of plants must unite and prepare to dip our toes into politics, no matter how distasteful or foreign it may seem to some of us or plants will continue to be shunted aside.

We request two things now:

- 1) That each botanical organization willing to involve itself in this effort advise us of the name and address of a contact person through whom information can be channeled about what is taking place in Washington and how best to try to influence the course of events.
- 2) That individuals willing to contact legislators when alerted also send their names, addresses, and phone numbers--as quickly as possible. It is not clear at this time whether anything will be possible in the House to alter their bill. If it proves feasible, it is likely to happen by mid-September and your help will be needed immediately.

Please send to: Alice Q. Howard
 California Native Plant Society
 Department of Botany
 University of California
 Berkeley, California 94720

Editor's Note: The Tennessee Native Plant Society will be working on the above problem and encourages members to individually contact their representative in Congress in efforts to educate them to the problem of native plants and the Endangered Species Act.

SEPTEMBER FIELD TRIP

On Saturday, September 15, Geoff Whitehead will lead a field trip to observe the population of *Heterotheca ruthii* along the Hiwassee River in Polk County, Tennessee. We will meet at Gee Creek Recreation Area Campground on Saturday at 9:00 am sharp. The group will depart at 9:30 and will return by 2:00 pm. (The Gee Creek Recreation Area Campground is located about ¼ mile off U.S. Highway 411 approximately 6 miles south of Etowah.) Bring foul weather gear, drinking water, and lunch.

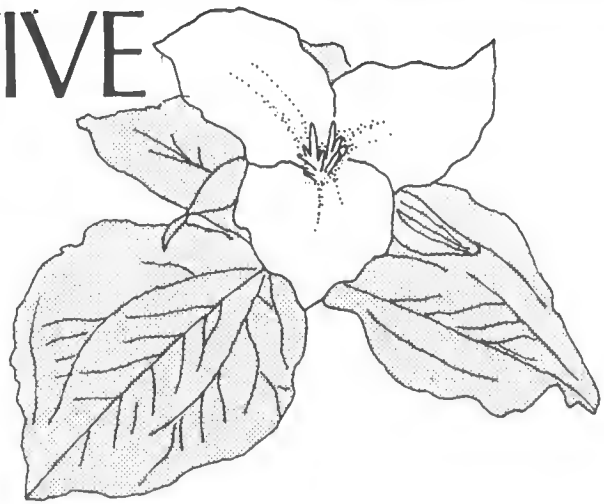
If you would like more information, call Geoff Whitehead at 615/263-1341.

TENNESSEE NATIVE
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% Department of Botany
The University of Tennessee
Knoxville, TN 37916

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TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER



Vol. 2, No. 6
November 1, 1979

PRESIDENT'S MESSAGE

In September and early October I began to look closely at unmowed roadsides, power-line rights-of-way, abandoned strip mines and forest edges where seed will ripen soon. I noted locations of fecund clumps of plants from which seed will be collected as pods begin to burst or heads disintegrate. I do this happily and fortunately in the course of my work (i.e., that for which the taxpayers pay) as a biologist. The seed of these aggressive (and yet attractive) pioneer species will be used in experiments which we hope will result in diverse effective revegetation systems for all sorts of disturbed country. Solidago, Aster, Eupatorium, Helianthus, Coreopsis, Rudbeckia, Bidens and Vernonia are a few of the major contributors to our seed bank.

This fall, in the midst of our goldenrod and aster season and my thoughts of seed collection, several folks pulled me aside to suggest that the Tennessee Native Plant Society should promote use of native plants on roadsides, instead of the dull expanses of fescue and lespedeza broken by a few shrubs. I agreed, and at our September board meeting we decided to take steps in that direction. There is considerable precedent for public promotion of roadside wildflower plantings. In the southwest, state highway departments have seeded native species and adopted mowing schedules which encourage their regeneration. Conditions - and therefore techniques - will be different in Tennessee, but there is certainly no shortage of native species adapted to the roadside environment. Plant establishment systems now being developed for surface mines and other disturbed areas should be directly applicable to newly constructed roadways. Established communities can be supplemented with attractive species and managed to encourage invasion. In some instances a considerable public saving may be realized by reducing mowing.

There are several things we must do. First, we must decide which species are most appropriate for roadside use in the several sections of Tennessee and we must learn how to establish and manage them. We should use plants native to Tennessee, not species from other regions. This will require some research and development which the Tennessee Native Plant Society should encourage.

Second, once species and techniques are selected, sufficient seed must be obtained for pilot scale use by appropriate public organizations. These pilot tests will be necessary to evaluate techniques under operational conditions. At this stage cooperative efforts by volunteer groups and highway departments should be useful. But the total effort should not be limited to 'a volunteer program' with its inherently limited capabilities.

(continued on p. 2)

PRESIDENT'S MESSAGE con't.

Finally, a workable program of native plant use based on these trials must be officially adopted by highway maintenance organizations.

During the next few months the Tennessee Native Plant Society will be encouraging appropriate state and federal agencies to sponsor and/or support the efforts necessary to more effectively use native plants on roadside rights-of-way. As members, you can contribute by organizing local efforts to test plantings on newly constructed roads or to convert mowed areas to more diverse plant communities. Some private seed collections and propagation experiments may also lead to useful techniques. But perhaps most useful will be efforts by a lot of individuals to convince responsible agencies and officials that native plants on roadsides do have an important role in making Tennessee a more pleasant place in which to live.

ENDANGERED SPECIES ACT - ROB FARMER

At this writing HR 2218, a bill (with amendments) to reauthorize the federal Endangered Species Act is expected to reach the House floor very soon. It is now rumored that President Carter's signing of the bill exempting Tellico Dam from the Act was accompanied by some assurances that the Act would not be weakened by amendments to this reauthorization bill. In fact, in early October the White House stated that retention of a strong Endangered Species Act is an important goal. We should thank the White House for this stand, whatever our feelings about Tellico. Call or write Kathy Fletcher, Asst. Director, Domestic Policy Staff (phone 202/456-2564) and let her know of your interest and support.

We are uncertain of the exact nature of currently proposed amendments to the reauthorization bill, but we do know that an extension of time to complete listing of proposed plants, provisions for emergency listing of plants, and adequate financial support for the endangered species program for plants are needed. We should write to our Tennessee congressional delegation to generally let them know we support the Endangered Species Act, which has already been responsible for efforts leading to protection of one of our Tennessee endemics, Echinacea tennesseensis. They should know that use of the Act in preserving the state's flora will not entail bringing all progressive development to a halt. Rather, it will foster a broader, more sensitive approach to dovetailing sensible development with natural systems. We should also express our concerns and appreciation for work to date of the Office of Endangered Species by writing Mr. Lynn Greenwalt, Director, U.S. Fish & Wildlife Service, Washington, D.C. 20240.

(Ed. Note: Just before press time we learned that the bill was passed. However, as yet we are uncertain of the amendments attached to it.)

NEW PUBLICITY CHAIRPERSON

Shirley Nicholson (6808 Haverhill Drive, Knoxville, TN 37919, phone 615/588-6976) is now responsible statewide for TNPS publicity. If you have ideas on publicity or are willing to assist in your area, please contact her.

DEADLINE FOR JANUARY NEWSLETTER - JANUARY 7, 1980 !!

TENNESSEE PURPLE CONEFLOWER (Echinacea tennesseensis)

Under the leadership of the Tennessee Department of Conservation's Heritage Program, a recovery plan is being prepared for Tennessee's only plant species listed under the federal Endangered Species Act. On October 17, an initial meeting of coneflower experts, interested botanists, land managers, and representatives of the U.S. Fish & Wildlife Service and TVA was chaired by Paul Somers, Heritage Program botanist. The recovery plan, which will be prepared over the next nine months, will include provisions for protecting existing populations of Echinacea tennesseensis and development of biological information on the species which is needed to manage and possibly expand these populations. TNPS members Larry Smith, Elsie Quarterman, Tom Hemmerly, Ruth McMillan, Sam Pearsall and Rob Farmer participated in the meeting.

NATIVE PLANT SEED EXCHANGE - NANCY SILER

We have had good interest in our first seed exchange. Seeds still available are Columbine (Aquilegia canadensis), Evening Primrose (Oenothera biennis) and Ruth's Golden Aster (Heterotheca ruthii - fresh 1979 crop). New additions include Stewartia ovata from J. H. Scudder in Hayesville, N. C., and Twin Leaf (Jeffersonia diphylla) and Ginseng (Panax quinquefolium) from my yard.

To receive seeds send your request with a self-addressed, stamped (30¢) envelope to Mrs. Tom Siler, 4201 Alta Vista Way, Knoxville, TN 37919.

FALL CREEK FALLS STATE PARK FIELD TRIP - DEC. 1

On Saturday, December 1, there will be a field trip at Fall Creek Falls State Park. Meet at the Nature Center at 9:00 (CST) for the morning hike, a short leisurely walk that will focus on winter plant identification. There will be a membership meeting during lunch (bring your own). The afternoon hike will leave the Nature Center at 1:30 and will probably cover more distance than the morning hike. According to Herb Roberts, trip leader and Ranger Naturalist at the park, the trails are of various lengths and degrees of difficulty. So make sure to bring the appropriate footwear for the kind of walking you want to do. The Inn at the park will be serving breakfast on Saturday morning.

TENNESSEE STATE NATURAL AREAS BROCHURE NOW AVAILABLE

Allen Coggins, Program Administrator for the Tennessee State Natural Areas Program, informs us that the new natural areas brochure is hot off the press. It includes a map showing the locations of natural areas; discusses the values, development, administration and rules governing the use of the areas; and a chart giving the name, address, phone number, location, acreage, classification, accessibility, activities, facilities, theme and description for each area. You may obtain a brochure by writing or calling: Allen R. Coggins, State Natural Areas Administrator, Tennessee Department of Conservation, 2611 West End Avenue, Nashville, Tennessee 37203 (phone 615/741-3852).

NATIVE PLANT NOTES

At this writing TNPS has invested around \$1400 in the Native Plant Notes series and we have sold about \$1200 worth of note paper. We have on hand an abundant supply of both the Rare and Endangered notes and the Appalachian Medicinal notes. Thus very soon we will begin showing a profit if sales can be increased. In fact this sale is completely necessary if we are to avoid increasing membership dues in 1980.

Joan Vaughn, originator of the notepaper idea and the manager of the project in 1979, has relinquished this job due to the pressures of other responsibilities. Richard Evans, our publications chairman, has assumed temporary responsibility for the project.

As the holiday season approaches our opportunity to publicize and raise funds for TNPS through the sale of our notecards becomes enormous. Many of our members, especially outside the East Tennessee area, have not even seen the notecards. It is time that this project attracted statewide attention within the Society. The cards are both attractive and informative and are suitable for sale in craft shops, book stores, museums, and through other group meetings.

We are looking for volunteers to take sets of the notecards to sell themselves and others to find commercial outlets in their area. This task should not require much time once the initial contacts have been made. Your help will make the difference in the success of this effort. Requests for the cards and information should be addressed to Richard Evans at 901 Kerr Hollow Road, Oak Ridge, TN 37830. We are also looking for a volunteer in the Knoxville/Oak Ridge area to manage the total notecard operation. This job represents an opportunity to gain some free marketing experience and to quickly assure the financial stability of TNPS. Contact Richard if you are interested. And don't forget to order packs of cards for your Christmas gifts. Prices per packet are listed below:

<u>Notes</u>	<u>Price</u>	<u>Mailing</u>
Rare and Endangered	\$2.00	.50
Appalachian Medicinal	\$2.00	.50
Pipsissewa	\$1.00	.25

JANUARY PROGRAM: CEDARS OF LEBANON STATE PARK

The January program will focus on the Tennessee Coneflower, Echinacea tennesseensis, which was recently added to the Federal list of endangered species. Meet at 10:30 CST at the Nature Center, Cedars of Lebanon State Park, for a plant identification hike. At noon we will break for lunch (be sure to bring your own!). At 1:00, at the Nature Center, Dr. Tom Hemmerly will discuss the life history and habitat requirements of the species. Paul Sommers, chairman of the recovery team, will then discuss the recovery plan.

NEW PROGRAM COMMITTEE CHAIRPERSON APPOINTED

Ed Cox has been forced to resign as TNPS Program Chairman. We wish to thank Ed for all the energy he put into organizing the past field trips. As all of you who attended them know, they were very diverse and interesting.

Jackie McKitrick, Box 212, Norris, TN 37828, has been appointed the new Program Committee Chairperson. She is busy organizing the field trips for next year and plans to publish the 1980 field trip calendar in the January newsletter. If you have any suggestions for programs, write Jackie before Christmas.

TNPS REGIONAL REPRESENTATIVES ELECTION

The TNPS Board of Directors is composed of our elected Officers and Regional Representatives (two each from the Eastern, Middle and Western Regions) as well as appointed Committee Chairpeople, all of whom serve for two-year terms. To ensure continuity in our work, the By-Laws stipulate that the terms of office for the Regional Representatives will be staggered.

The term of office for Susan Bratton (Eastern Region), Mary Palmer Kelley (Middle Region), and David Alexander (Western Region) has expired and it is now time to elect three new Board members to assist Judy Murray, Bob Kral and Marilyn Williamson (Eastern, Middle and Western Regions, respectively) whose terms expire next year.

The following ballot lists the candidates for the 1980-81 term. Please vote for one candidate from each region. Mail your ballot to Mrs. James E. Myers, Rte. 7, Box 401, Harriman, TN 37748. Ballots must be received by December 15 to be counted.

BALLOT

Eastern Region:

Tom Patrick, Department of Botany, Univ. of Tenn., Knoxville. Tom is a graduate student in botany at UT. He has worked long and hard for TNPS with continuing enthusiasm. He is particularly knowledgeable about trilliums and is intimately acquainted with wild landscapes in Tennessee, especially Savage Gulf and parts of the Cherokee National Forest.

Sue Williams, Knoxville. Sue has been involved with garden clubs in the state for many years. She believes that TNPS is an organization which will speak effectively for all persons in the state who are interested in the welfare of both native and ornamental plants. Sue has recently opened a unique business which aids people in establishing gardens. Her first principle is "the right plant for the right place" - including wild plants in wild places.

Middle Region:

Anita Heilman, Clarksville. Nita teaches seventh grade life science and heads the department at Greenbrier Junior High School. She has made many TNPS field trips and would like to serve the organization by being on the Board.

Ann Harris, Nashville. Ann is a botanist with the Tenn. Dept. of Transportation. She is particularly interested in plant rescue work and believes she can work most effectively for TNPS in that sphere.

Western Region:

Frances Spence, Memphis. Frances is just completing two years as president of the Memphis Wildflower Society, where she has worked very hard to establish a public wildflower garden. She has been active in Girl Scouts all her life and is no newcomer to the outdoors.

Arlo Smith, Memphis. Arlo is a retired professor of biology at Southwestern College. He is enthusiastic about TNPS and its educational activities, particularly those concerning plant propagation. He is interested in seeing the organization grow in west Tennessee and in seeing more TNPS activities there. He is author of the soon-to-be-published book "Wildflowers of the mid-South."

SAHC OFFERING PICTORIAL BOOKS ON NORTH CAROLINA AND TENNESSEE

Two new books have just come off the press which beautifully portray the natural wonder of our western North Carolina and east Tennessee mountains. While each book covers a whole state, the emphasis is clearly on the mountain areas.

Southern Appalachian Highlands Conservancy (SAHC) has made arrangements with the publisher to sell both NORTH CAROLINA and TENNESSEE at retail prices, \$29.50 and \$27.50, respectively, plus \$2.00/book for postage and handling. The wholesale discount will be placed in the SAHC fund to preserve the Highlands of Roan. These books are available at most book stores; however, by purchasing them through SAHC, you will help save some of the lands so well depicted in them.

TENNESSEE was photographed by Edward Schell, photonaturalist and member of TNPS and of SAHC's Board of Directors. Ed traveled 7,000 miles during the six months he worked actively on the book. His sensitiviey has captured the many moods of Tennessee's natural beauty. The full-page colored pictures provide generous coverage of the Highlands of Roan. The text is by Wilma Dykemann, noted author and member of SAHC's Board last year.

NORTH CAROLINA's photographer is James Valentine, and its text is the work of writer Marguerite Schumann, both North Carolinians. This book also is of the same quality as the other pictorial books published by Graphic Arts Center Publishing Company.

Order the books from SAHC at Box 3356, Kingsport, TN 37664. They will make beautiful Christmas presents!

TENNESSEE NATIVE PLANTS SOCIETY

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