

Native Plant News

NEWSLETTER OF THE NORTH CAROLINA NATIVE PLANT SOCIETY

Native Plant News
Editor: kathyschlosser@triad.rr.com

April—May 2011
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Black Mountain: April 29,30 and May 1

SCHEDULE FOR SPRING OUTING 2011
SWANNANOA/BLACK MOUNTAIN/
MONTREAT

Friday, April 29

6:30 p.m.

Meet at Comfort Inn, Black Mountain, for a social hour. Coffee and tea provided; bring snacks to share. (Room number will be posted in the lobby, or ask Mark Rose and David McAdoo.)

8:00 p.m.

Meet at Black Mountain Public Library (N. Dougherty St.) for presentation: Randy Burroughs, "Gardening As If We Belong Here"
Note: neither food nor drink allowed in this meeting room.

Saturday, April 30

9:00 a.m.

Meet at parking lot of Comfort Inn, Black Mountain, to car pool to the preserve at Cliffs at High Carolina at I-40 Exit 59. Meet Patrick McMillan at the gate at 9:30 a.m. All day hike until approximately 4:00 p.m. A bottle of water and snacks for lunch will be provided. Bring extra, if you desire more, and a backpack so that you can carry the items to be handed out at the beginning of the hike.

8:00 p.m.

Meet at the "social room" at the Comfort Inn for the plant auction, headed by Dr. Larry Mellichamp of UNCC. Bring plants to share and money to buy more! Remember that these funds benefit our B. W. Wells fund and scholarships granted by NCNPS.

Sunday, May 1

8:30 a.m.

Meet at parking lot of the Comfort Inn and travel four miles north to Montreat for our morning hike. Participants should be ready to leave for home by 1:00 p.m.

Please print this out and bring with you. Remember that your meals are on your own and plan accordingly. There are many different types of restaurants in Black Mountain. Check out www.exploreblackmountain.com or call 1-800-669-2301. We have requested a map/brochure for participants to facilitate your visit here.

Registration for the hikes is closed, but you still have a couple of options:

1. Contact Lynda Waldrep and ask to be put on the standby list in case someone on the registrants is unable to attend.
2. Anyone is welcome to attend the Friday evening talk free of charge and no registration required.
3. Anyone is welcome to attend the Saturday plant auction free of charge and no registration required. Please do bring plants with you to add to the auction if you can.

If you are not registered for the hikes, you can spend Saturday exploring the area on your own. Visit the local chamber of commerce:

<http://www.blackmountain.org/thingstodo.php>



NCNPS Calendar

April 29, 30, May 1st
Spring Trip to Black Mountain/Swanannoa
Details, pages 9, 10

Saturday, June 11th
June Picnic at Hagan Stone Park
Details, page 3

Sept. 31, Oct. 1, 2nd
Fall Trip
Location TBA



President's Message

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It's 5 March 2011, 18:22 and I have just witnessed the most brilliant "red sails at night" that I have ever seen. I was walking around the house to see if I had any bad washes from the rain and there the sails were. I ran inside and pulled open the shades so my wife could see them and then I went back outside to watch. They lasted, maybe, another 90 seconds – but oh how glorious! Now you have to understand that I was standing in 49 degree, 10 knot winds, with higher gusts, staring at the sky. There's a bunch of folk that would have said I was crazy but others have experienced much more severe weather would say - so? Just 20 miles NE of me there were very severe winds (later confirmed tornados). It is so marvelous/scary to me that we can experience such extremes. Here I am rejoicing that I got .6 inches of rain and other folks are lamenting too much weather!

On the plant side, I have the first *Trillium cuneatum* bloom. The *T. underwoodii* is about ready to open. My *T. viride* is budding and I have one *Cardamine diphylla* that is ready to bloom. On my sunny west hill, bloodroots have bloomed and – sadly -- dropped their petals. *Hepatica americana* (OK, OK! *Hepatica nobilis* Schreb. var. *obtusata* (Pursh) Steyererm) are blooming. I edited my thoughts on the name changes. Oh! and have you noticed the wonderful leaves on the *Pachysandra procumbens*. Ponder what turns them on to show off so and they haven't even bloomed yet.

Your board has approved another 4 full scholarships to Cullowhee and we are on the verge of approving 3 Shinn grants for native plant studies. Now that's exciting. I'll venture a guess that many of you weren't worried about native plant studies when you went through college. I for one was a business major. But we do change and now it's very gratifying to help students with their projects. By the way, I bet that you still have connections with your schools, so why not pitch our grant programs to the Botany/

Biology/Horticulture departments. Sometimes I get the feeling that many students don't realize that the Society's help is out there.

Speaking of information. There are several new resources out there:

Wild North Carolina: Discovering the Wonders of Our State's Natural Communities (David Blevins and Michael Schafale) http://uncpress.unc.edu/browse/book_detail?title_id=1888

Wildflowers and Plant Communities of the Southern Appalachian Mountains and Piedmont: A Naturalist's Guide to the Carolinas, Virginia, Tennessee, and Georgia (Timothy Spira) http://uncpress.unc.edu/browse/book_detail?title_id=1872

A Field Guide to Wildflowers of the Sandhills Region: North Carolina, South Carolina, and Georgia (Bruce Sorrie) http://uncpress.unc.edu/browse/book_detail?title_id=1895

Woody plants of the southeastern United States: A field botany course on CD (Missouri Botanical Garden Press)
Version 1: <http://www.mbgpress.info/index.php?task=id&id=08025>
Version 2: http://www.metisllc.com/store/index.php?main_page=product_info&cPath=2&products_id=7

Manual of the vascular flora of Nags Head Woods, Outer Banks, North Carolina (New York Botanical Garden Press) <http://www.nybgshop.org/Manual-of-the-Vascular-Flora-of-Nags-Head-Woods-Outer-Banks-North-Carolina-p-21584.html>

And while you're at it check out our full list of reference books at <http://www.ncwildflower.org/neatstuff4you/books.htm>

See you in the woods,
Tom



Annual picnic

Saturday, June 11, 2011

Hagan Stone Park, Greensboro, NC

We will be in the same park, but at a different shelter this year, so watch for signs to guide you to the correct area. The shelter is larger, has power, and is closer to restrooms.

2011 PICNIC FEATURES

- I. A special feature of the picnic this year will be a Propagation Workshop, conducted by Mark Rose and Lynda Waldrep. Start saving 2-liter soft drink bottles (clear plastic) and bring them with you. Bring 2-3, and any extras you might have to share with those who don't have any. NCNPS will provide soil and cuttings—and you will take home at least three containers to grow out your cuttings and/or divisions. Mark and Lynda plan to bring *Cephalanthus occidentalis* (buttonbush) cuttings, perhaps some aster, and one other.
- II. Great Food. As has been our habit for the past several years, Tom will stop at Smithfield's on his way to the picnic for chicken and bbq. YOU will bring your favorite side dish(es) with enough to share. Salads, vegetables, fruits, desserts—whatever is your favorite. NCNPS will also provide beverages (bring your favorite if you think we might not have what you want), ice, and paper products. The variety, quantity and quality of the food is always enough to make us want to linger over lunch, but we are lured from the table by.....
- III. **PLANTS!** This is the auction that fills our coffers with scholarship money and our gardening appetites with exquisite variety. Pot up a few plants that you would like to donate (don't use fancy pots) and bring them for the auction, clearly labeled with botanical and/or common name and a short description for the auctioneer. To reduce the time that the auction requires, smaller items or duplicates may be placed on a sale table, with larger or more unusual plants held for auction.



**JOIN US FOR THIS EASY-GOING, LAID BACK,
SUMMER PICNIC WITH
A PURPOSE**

Bring:

Clear plastic 2-liter soft drink bottles, labels removed
Gardening gloves
Small clean, sharp garden clippers and/or sharp knife
Food contributions for the lunch table
Comfortable chair
Sunscreen and hat
Cash or checkbook!

Directions to Hagan Stone Park:

For specific directions, Google 5920 Hagan Stone Park Rd, Pleasant Garden, NC 27313

From northeast of Greensboro, follow I-40 toward Greensboro. Just outside Greensboro, I-40 and I-85 will split. Stay to the left and follow I-85 south for 12 – 13 miles. Take exit 126A to merge onto US-421 S. Follow 421 S toward Sanford for a little more than 3 miles. Turn right at Hagan-Stone Park Rd/NC-341 I. Drive for a little more than 2 miles, and turn right into the park.





Follow the green...

“Do we make any money?”

“Where does the money go?”

These were two questions asked recently by a NCNPS member who participates in our group outings. I had a general answer for her, of course, but the questions made me think that members may be interested in a cost breakdown of our spring and fall outings. So, with old-fashioned calculator in hand and based on a typical group size of 45 and a \$25 registration fee, here are my statistics.

Guides	\$11.00
Snacks & water	4.00
Speaker(s)	4.00
Facility/room rental	6.00

My friend was not aware that we give a small stipend to the wonderful people who are willing to serve as guides or speakers. And sometimes, we don't spend quite so much as some of our experts refuse payment. Also, we always have more guides than speakers, thus the difference in that figure. The facility rental varies the most, since we occasionally

have a motel that will let us use a room for free. If we use a public area, such as the local fire station or Extension building, we often donate money to that group although they do not require a payment.

And the snack costs do vary, depending on the specials at Cosco (thanks, Joanne!) or other discount stores in the area. As for door prizes, sometimes they are purchased, and often they are donated when a member finds a really great bargain! No matter how your registration fee is divided, the majority of participants believe that their money is well spent. And don't forget, the socializing is always free!

So, to better answer one of the questions, we do make a little money if our group size is larger or if we spend less on the facility. However, if the group size is smaller, such as many of our east coast outings, we actually do not cover costs and NCNPS pays expenses out of the general fund. We hope that we can continue to offer these great outings each year to our members and friends.



Lynda Waldrep, VP and Program Planner

Sale!!!

It is spring cleaning time, and your NCNPS board of directors is having a garage sale!

Our famed 115 page *North Carolina Native Plant Propagation Handbooks* are on sale for \$5.00 each, plus shipping.

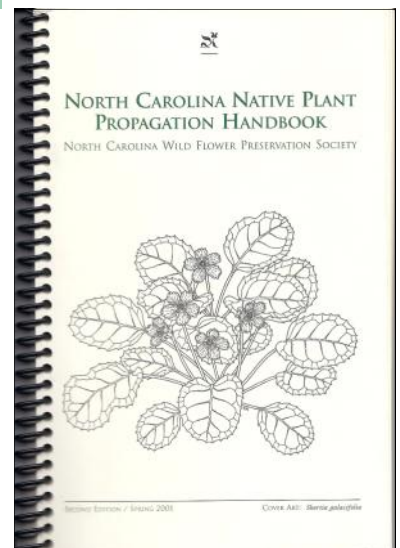
This is the second edition, published in 2001. At the time, Ken Bridle, who acted as editor, had this to say about the book:

“We dedicate this edition to the NCWFPS members who compiled their records of both success and failure and were able to produce a valuable and useful manual about the propa-

gation of North Carolina native plants. The contributors to both the original and the new edition have shared a wide range of information and expertise unavailable from any other source.”

Order your copy, and a few extra to keep on hand as gifts, from:

Marlene Kinney
4900 Richland Dr.
Raleigh NC 27612-3522
919-787-5384
mkinney3@nc.rr.com





Southeast Coast Chapter

Lake Waccamaw State Park field trip
Saturday, March 26 (9 A.M. - 12:30 P.M.)

Event Sponsor: South East Coastal Chapter
Save the date! Randy and Rebecca Westbrook will lead us on a tour of the Southeastern Community College Tissue Culture Lab for Venus Flytraps, which Rebecca heads. After this, we head to Lake Waccamaw State Park for Randy's seminar on invasive plants prevention, Early Detection, Rapid Response. Randy is the Invasive Species Prevention Specialist with the US Geological Survey. We will end with a hike on the boardwalk at LWSP.

Shaken Creek Walk SE Coast Chapter
Sunday, April 10, 2011 2:00—4:00

Sara Over, Conservation Coordinator for The Nature Conservancy, will lead a walk at Shaken Creek Preserve. Located between Holly Shelter and Angola Bay Game Lands, this pristine preserve has carnivorous plants and orchids in varied habitats of grassy meadows, pine woods, narrow blackwater creeks and lakes.

For details, contact: lara@ncwildflower.org

Orchid Walk at Green Swamp with David McAdoo
Saturday, May 21, 2011

The SE Coast Chapter and the Triangle Orchid Society will host a walk with orchid expert, David McAdoo. We will visit Green Swamp and nearby areas. Details to be announced.

Propagation Workshop with Alistair Glen
Sunday, June 05, 2011, 2 - 4 PM

Alistair Glen, from Growing Wild Nursery in Pender Co, will teach techniques for the propagation of SE Coast native plants. Location: Halyburton Park Visitors Center, 4099 S. 17th Street in Wilmington. Pre-registration required. Limited to 20 participants. Fee is \$20.

B.W. Wells Savannah Walk
Sunday, June 12, 2011

Dr. John Taggart, Assistant Prof. of Environmental Studies at UNCW, will lead a morning field trip to B. W. Savannah. This is the culminating activity for his Introduction to Plant Identification classes and will focus on identifying native plants. You do not need to have taken the class to join us. The Savannah is noted for orchids such as Pale Grass-Pink (*Calopogon pallidus*) and Rosebud Orchid (*Cleistes divaricata*), carnivorous plants and interesting grasses.

Lara Berkley
Cary Paynter



Triad Chapter

April 6, 2011, 7:00 p.m. at the Kathleen Clay Edwards Family Branch Library, Greensboro:

Hervey McIver of the North Carolina office of the Nature Conservancy will present "Conserving the native plant communities of the southern Coastal Plain of NC," focusing on the very rich plant communities of the SE Coastal Plain, especially savannas and other fire-dependent systems. His talk will include both current conservation and what still needs to be done.

This program is part of a regularly scheduled meeting of the Triad chapter of the NC Native Plant Society, and is open to the public.

For additional details, contact

LyndaWaldrep@aol.com



Harvey McIver



Southern Piedmont Chapter

Native Plant Sale!!

April 9 Museum of York
(9 AM - Noon)

Great selection of wildflowers, trees, shrubs and ferns will be available including:
Butterfly weed • Phlox • Foam Flower • Columbine Native Honeysuckle • Azalea • Iris • Indigo

Unique garden accessories will also be for sale.

4621 Mt. Gallant Road Rock Hill, SC 29732
803.329.2121
<http://www.chmuseums.org/event/881>

Lisa Tompkins
lisa@ncwildflower.org



Endangered species day

May 20, 2011

In 2006, the U.S. Senate unanimously approved the designation of the first annual Endangered Species Day. The purpose of the nationwide observance is to educate the public about the importance of protecting threatened and endangered species and highlight the everyday actions that individuals and groups can take.

Endangered species include mammals, birds, reptiles/amphibians, insects/spiders, mussels/snails, and PLANTS!

For a complete list of Endangered, Threatened, and Special Concern plants protected in North Carolina, see

www.ncplantfriends.org

Select the page "Rare Plants"





Letters to the editor

I wish to thank you for your sponsorship of the Dr. Tallamy talk we have scheduled. The use of native plants has become an essential foundation of our Bird-Friendly Habitat program to stop the loss of many of our bird species.

As you are probably aware, many of our Cape Fear Audubon Society members are also members of the NC Native Plant Society. I believe this joint membership situation is going to reap benefits for both our causes in the future and I hope to have joint ventures in the future.

Again thanks and I am looking forward to meeting you.

Charley Winterbauer
President,
Cape Fear Audubon Society

Date: Thursday, May 12, 2011
Time: 7:00 pm
Location: Northeast Branch, New Hanover Co. Library, 1241 Military Cutoff Rd., Wilmington NC

Cape Fear Audubon presents Doug Tallamy, author of the book *Bringing Nature Home*. He will speak at the Northeast Branch Library, 1241 Military Cutoff Rd., at 7 p.m. on Thursday, May 12th.

Contact: Nancy Buckingham
Email: nsbuck@charter.net
Phone: 910-409-5160



Jack-in-the-pulpit
Preaches to-day
Under the green trees
Just over the way.

Clara Smith
before 1920

Frederick W. Case, Jr.

Frederick W. Case, Jr. passed away Wednesday, January 12, 2011, at age 83 years. He was named the Outstanding Biology Teacher in Michigan in 1971 and Outstanding Science teacher in 1987. Fred and Roberta authored three books and authored or co-authored many articles for magazines and scientific publications about native orchids, trilliums, insectivorous plants, wildflowers and gardening.

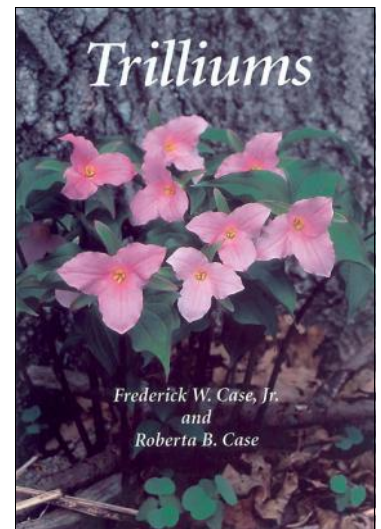
He received numerous awards and recognition for his achievements in botany and lectured extensively. He had been associated with Cranbrook Institute of Science, The University of Michigan Matthaei Botanical Gardens, Longwood Gardens, The Michigan Dept of Natural Resources Committee on Endangered and Threatened Plants, the Michigan Botanical Club, North American Rock Garden Society, the Saginaw Valley Audubon Society, Saginaw Valley Orchid Society, The Nature Conservancy, Michigan Nature Association, and many other horticultural groups.

Timber Press reports that the late Frederick W. Case, Jr., and his wife, Roberta, “were partners in delightful plant adventures for some four decades. Hardy explorers, they trekked

through swamps and woodlands to see and photograph each of the North American Tril

lium species in the wild. They also grew all the American Trillium species and three of the Asiatic species in their experimental gardens in Saginaw, Michigan.”

The book is the culmination of their expertise in growing trilliums.



Out of Print, but you can find new and used copies at Amazon.com.



A passion for trillium

I first became familiar with Trillium flowers after becoming privy to a discussion between two of my professors at WCU, Dr Beverly Collins and Dr. Kathy Mathews. Dr. Collins had noted that there were sympatric populations of red and white Trillium growing at Balsam Mountain Preserve. Some of these populations were stable with no hybridization and some had formed stable hybrid populations of what the Balsam Mountain Preserve naturalist described as “Red Rugelii”. I began background research into the genus Trillium and then into the Trillium species which my professors were referring, more specifically the *Erectum* complex. I realized that while defined taxonomically, the systematic relationships within the complex were a complete blur. I began then to question why or how they were defined as separate species, and later I began to question the definition of speciation concepts in general. This spurred me to do some background research on speciation concepts, speciation mechanisms in plants, and the phylogenetic relationships within the family Trilliaceae. Soon, I became so engrossed with the subject that I decide I had to take it on for my thesis project. I found my graduate research to be deeply engaging because I felt that I learned so much about a variety of topics. As opposed to just learning about plant genetics, ecology and evolution in a classroom setting, I learned about them in more of a “case-study” situation where I had to grasp a deep understanding of how each piece of the puzzle worked and how they played into each other. Surprisingly enough, the knowledge I gained about plant ecology and evolution in the process of researching Trillium proved to be some of the most valuable lessons I gained from my graduate career.

Chris Stoeihrel

Christina Stoeihrel received a Shinn grant from NCNPS last year for research on speciation within the *Trillium erectum* complex. She says, “...my research would not have been possible without your help. As you may know, received a Botanical Society of America's Graduate Student Paper award for my presentation at ASB and I included your organization in my acknowledgements!” She now works for the Cherokee National Forest as a Botany intern.

Read Chris's thesis here:

<http://www.ncwildflower.org/TrilliumPaper.pdf>



T. erectum, Mark Rose



T. vaseyii, Mark Rose



T. rugelii, Mark Rose



Spring trip plans and suggestions

NCNPS's spring outing is almost here, and participants for the April 29-May 1 event have much to look forward to, not the least of which is a tour of private property on Saturday with Dr. Patrick McMillan of Clemson University. At high elevation, expect to see nodding mandarins, trilliums and many other plants in the natural community of a high elevation amphibolite forest as well as boulder fields.

The weekend begins Friday with a social gathering at 6:30 p.m. at the Comfort Inn of Black Mountain, south of I-40 at exit 64. Then, the group will move to the Black Mountain Public Library on N. Dougherty St. for an 8:00 p.m. presentation by Randy Burroughs, area landscape architect and horticulturalist. (See article for full description of the program.)

At 9:00 a.m. on Sat. the group will meet at the parking lot of the Comfort Inn and travel five miles west on the interstate to meet Patrick at the proposed site. Both Ed Swartzman and James Padgett of NCDNR as well as Dr. Larry Mellichamp will accompany the hikers, so the options to divide into smaller groups will enable participants to identify and photograph more plants. Saturday night it is back to the motel for an 8:00 p.m. plant auction with Dr. Mellichamp.

For Sunday, the group meet at 8:30 a.m. at the motel and will travel four miles north to the "town" of Montreat, site of the national conference center of the Presbyterian Church (USA) where we will enjoy the hospitality of the Wilderness Society of Montreat. This trail club will be represented by members Joe Standaert and O'Neil Tate, who will meet us at the stone gate and show us the planted gardens there as well as the invasives that the group is attempting to eradicate from the property.

Then, hikers will be offered options: Main hike of 3.1 mi. named the Lookout Loop and Trestle Rd., which has one short steep section and a return with a rocky, steep descent section; Secondary hike of 2.1 mi., fairly easy walking along an old logging road, and includes the Lookout Trail and the Rainbow Rd. Trail; and last, the one mi. Gate Trail which goes to Lake Susan and back, an easy, flat trail follow-

ing Flat Creek. Standaert has indicated that the Lookout Trail part of the Main hike is the richest in botanicals but has some steep parts. All in all, the walks should be over by 1:00 p.m.

Montreat itself is a lovely area with small and large cottages as well as a stately stone building called the Assembly Inn. This area has been used as a convention site since 1897, when visitors slept in tents, but now there is ample lodging for more than 45,000 guests a year. You may be interested in looking around somewhat before leaving the area.

Lynda Waldrep

See following page for a list of area nurseries to visit.



Aristolochia macrophylla



Clintonia borealis, along the Old Trestle Rd.

Photos by Joe Standaert



Asheville area nurseries

If you plan on coming to the Asheville area, here are some of the local nurseries in the surrounding area as offered by Mitch Russell, chapter chair.

Appalachian Creek Nursery & Landscape
8 Mimidis Ln., Swannanoa 828 296-7396
www.appcrk@yahoo.com

Carolina Natives Nursery
Burnsville-@:45-1 hr north of Asheville
<http://www.carolinanativenursery.com/>
828.682.1471
mainly woody, but starting to grow herbs
Retail sales on Fridays, 8:30—5:00
Bill Jones

SE Natives, Candler-@:30 west of Black Mountain
<http://www.southeasternnatives.com>
woodies only maybe wholesale exclusively;
check by calling
828.670.8330
Brad Martin

Wildflower Nursery
<http://www.wildflownursery.net>
828.656.2723
All native herbs & few woodies, but may be harvested from the wild..
Dewey Griffey

Willow Creek Nursery
<http://www.ashevilleperennials.com>
828.777.3503
Mainly natives & typically only sell wholesale, but may make an exception..
check to see

Others that also offer natives, but exotics as well:

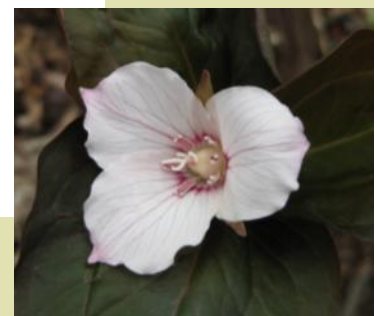
Meadowbrook Nursery, Marion-@:30 east of Black Mountain
<http://www.we-du.com/>
828.738.8300
woody & herbs
Jamie Oxley

Elk Mountain Nursery, Asheville-@:35 north-west of Black Mountain
<http://www.elk-mountain.com/index.html>
828.683.9330
Lots of natives but also exotics, some invasives
Craig Mailloux

Jesse Israel and Sons, Asheville-@:20 west of Black Mountain
<http://www.jesseisraelandsonsnursery.com>
828.254.2672
Uncertain of natives they carry & think it's fairly limited

Reems Creek Nursery, Weaverville-@:30 north of Black Mountain
<http://www.reemscreek.com/>
828.645.3937
Uncertain of natives they carry & think it's fairly limited

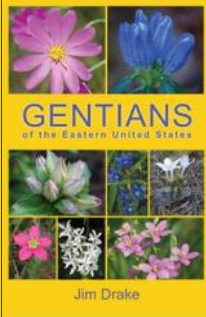
BB Barns, Arden-@:25 southwest of Black Mountain
<http://www.bbbarns.com>
828.650-7300
Uncertain of natives they carry & think it's fairly limited



Photos, top to bottom: *Uvularia grandiflora*, *Stellaria pubera*, *Calycanthus floridus*,
Trillium undulatum
Photos by Kathy Schlosser



Support our Advertisers!



This book by author Jim Drake covers the family Gentianaceae occurring within the Eastern United States. It is possibly the most comprehensive text covering the vast range of genera within the family Gentianaceae.

Jim has attempted to provide descriptions of all members of this family within his very broadly defined “eastern” U.S. Text descriptions along with ample photographs help the reader to understand and enjoy the range of wildflowers included within this diverse family.

Beginning with *Bartonia* and finishing with *Voyria*, this text attempts to fill the genera in between including, *Gentiana*, *Sabatia*, lesser-known genera such as *Centaureum*, *Halenia* and many others. Not only focusing on the blue gentians, this 220 page guide gives equal treatment to the rest of the eastern gentian family including both common and less well known members.

Available in late January 2011
inquiries may be made to
contact@breathospring.com

\$24.95 plus shipping.
Add 6% sales tax only if buyer is in Georgia



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NC Native Plant News

c/o Katherine Schlosser
1402 Bearhollow Road
Greensboro, NC 27410

NORTH CAROLINA'S NATIVE PLANT SOCIETY SINCE 1954

NCNPS Guidelines

IV. It is the NCNPS policy that there be no plant collecting on public walks. If an unusual plant is unexpectedly found during a walk (such as a state or county record for a rare plant or a new invasive species), explain how to document this occurrence [see *NCNPS Guidelines for Collection of Native Plants for Use in Restoration, Horticulture, Medicinal Preparations and Scientific Research, #7*].



Galearis spectabilis,
Showy orchid
C. David McAdoo