



Missouri Native Plant Society Hawthorn Chapter Newsletter

Volume 23, Number 3

March 2008

Hawthorn Chapter

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The Hawthorn Chapter of the Missouri Native Plant Society Newsletter is published monthly. Send your submissions to:

Newsletter Editor

Becky Erickson
573-657-2314
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Future Activities

March 10: Regular Meeting at 7:00 pm at the Unitarian Church, 2615 Shepard Blvd. Dorie Draper will present a program on her botanical drawings, which are mostly natives. Dinner with Dorie at Felini's 700 E Broadway at 5:30pm. (see article inside)

March 15 (Alternate day 16) Stadium work day: 2 pm Make chicken wire cages for trees to be planted at the stadium site in April. On Paula's deck (see article inside).

March 20: Lunch with Native Plant Enthusiasts! 11:30 am at Felini's, 700 E Broadway. All are invited.

March 22: Hike to Jim Whitley's property to see the Wild Leeks and Snow Trillium. Meet at the MDC parking lot on College Ave at 11:00 am to carpool, or at Heuer's Country Store at 11:30 am. We plan to have lunch at Heuer's and then proceed to Jim's property.

March 26: Newsletter items are due. Send photos, poems, and articles of interest to Becky.

April 4 – 6: State Board Meeting. Joint meeting with the Arkansas NPS. Lodging in Harrison, Arkansas. Some of us are going, join the carpool and reservations. Call Paula immediately.

April 12: Native Plant Sale – Bradford Farm 9 – 12. Please bring your extra potted plants and help us with the booth.

April 13: Tree planting day at Stadium site. Alternate date, in case of rain or cold, April 27.

April 20: Earth Day Festival and Street Fair. 12 to 5:30 – Please plan to help with our booth. Set up will be at 9:00 – all cars must be out by 11:00. We will be at #A4 and A5 on the North side of Elm near the University gates. Rain date is April 27.

May 4: Trip to Whitmire Wildflower Garden, at Shaw Nature Reserve (a division of MOBOT) in Gray's Summit, MO. Depart Columbia from the MDC parking lot on College Ave (at Stadium Blvd in Columbia) at 8:00 am. We will eat lunch at a local restaurant after our walk.

May 12: Regular Meeting at 7:00 pm at the Unitarian Church, 2615 Shepard Blvd. Becky Erickson will give a program about the natural history of fire on the continent, the cumulative research of response to seasonal fires, and a brief explanation on how to burn a small area.

May 17: Hike to Auxvasse Glade in Callaway Co. The access to this spectacular area is through private property. John George (MDC Regional Naturalist) will be our guide.

June 20 – 22: State Board Meeting. Squaw Creek NWR and other sites, lodging in Mound City, MO

For more information contact Paula at 573-474-4225

Join guest speaker at Felini's before meeting

Submitted by Jean Graebner

All are welcome to attend a pre-meeting get-together planned for chapter members and our speaker for the Monday, March 10, meeting. We plan to meet at Felini's, Seventh and Broadway, at 5:30 pm to have dinner with Dorie Draper and her husband. They will be driving to Columbia from Hermann for her presentation that evening.

Mrs. Draper is an artist specializing in botanical drawing. She goes to great lengths to capture every detail of a plant—even the roots. She will discuss her technique and show samples of her work during her presentation.

The regular chapter meeting will be at the usual time and place, the Unitarian Church, 2614 Shepard Blvd. at 7 pm. **(Call Jean Graebner, 573-698-2855, for questions or details.)**

Correction to February Article

On the second page, article titled "Our Leader Achieves State Award": in end of the first paragraph: Nadia's picture and plaque will be displayed at MO Dept of Conservation Headquarters in Jefferson City (E on 50, N on 179, E on Truman).

In a copy of the same article in The PetalPusher (V23 #2), it was printed: the author Jean Graebner is from the Osage Chapter. Her correct affiliation is from our own Hawthorn Chapter.

**March 20:
Lunch with Native Plant
Enthusiasts!**

**11:30 am at Felini's,
700 E. Broadway.**

**We now meet on the 3rd Thursday
of the month.**

All are invited; please join us

Financial Report for Hawthorn Chapter FY2007

Submitted by Paula Peters, Treasurer

Income – Deposits

\$42.00 Dues
\$612.50 Earth Day, Dues, Bradford Plant Sale
\$619.00 Bradford Booth, and Dues
\$ 67.00 Books and Dues
\$479.00 Dues, Books, and Marge's memorial
\$363.00 Dues, Books, and Marge's memorial
\$407.75 Dues, Books, and Marge's memorial
\$690.00 Eco-Art Fest, Dues, Dues from State, and Marge's memorial
\$468.00 Dues, T-shirts, Calendars, and Books
\$172.00 Dues and Plants, and Books
\$3920.25 = Total Deposits

\$3920.25 Total Deposits
- \$735.00 Marge's Memorial
\$3185.25 = Total Income

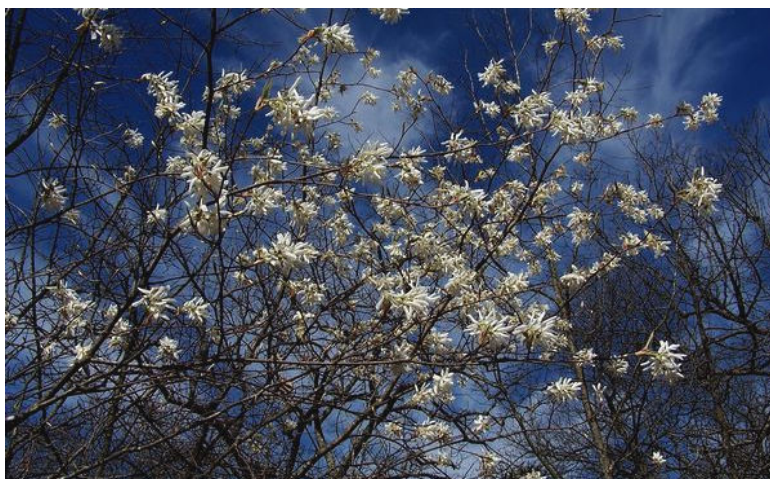
\$3185.25 Total Income
-\$942.00 Dues Income
\$2243.25 = Income from Books, Plants, T-shirts, Calendars

Expenses

\$427.91 Newsletters, Pamphlets and Membership forms
\$1076.50 Books and Calendars
\$570.00 Dues to State
\$124.80 Stadium Project
\$121.42 Booth Expense
\$80.18 State Meetings
\$2400.81 = Total Expenses

Balance Dec 31, 2006 \$ 3255.29
Balance Dec 31, 2007 \$4774.73 (includes Marge's Memorial)

What's This Plant?



Send the Common name, Scientific name, habitat and bloom time to Becky. Everyone who answers it correctly will be listed in the April Issue with a new photo of a plant.

Tree Planting Day at Stadium Site

Becky Erickson 657-2314

One hundred fifty bare-root twigs have been ordered from the MDC nursery at Licking for the Stadium Project site. Most of these are about two feet tall. We will be making chicken wire cages for the trees 15 March. If weather is not conducive to working outside, we will try again on the 16th. There will be room to work on Paula's deck -2216 Grace Ellen Dr- N of Paris Rd on Oakland Gravel 2 mi. W on Grace Ellen, 3 houses on left. Bring your own snacks, but there will be hot water for tea.

Watch your email for possible adjustments.

A crew of people will be needed to plant these twigs to replace the bush honeysuckle removed from under the power line. If the trees are delivered early in April, the best planting date will be 13 April. If the weather is bitter cold again in early April or the trees don't arrive before the 13th, we will make another go of it on 27 April. We will need water. So if you buy cat litter in 2 gallon jugs, save the jugs to fill with water to carry to the site. If you have a shovel, please bring that, too.



(reprint from Boulder Camera)

Citizens Asked to Keep Eye on Plants

Researchers to track climate's effects on flora
By Steve Graff For the Boulder Colorado Camera
Tuesday, February 19, 2008

Scientists are asking people to keep an eye on their gardens to help track climate change.

www.windows.ucar.edu/citizen_science/budburst

Last week, Boulder's University Corp. for Atmospheric Research began Project BudBurst, a nationwide initiative that has "citizen scientists" monitoring their favorite patches of flowers so researchers can better understand the climate's effect on plant life cycles.

"Climate change may be affecting our backyards and communities in ways that we don't even notice," Sandra Henderson, of UCAR's Office of Education and Outreach, said in a news release. "Project BudBurst is designed to help both adults and children understand the changing relationship among climate, seasons and plants, while giving the participants the tools to communicate their observations to others."

Over the next year, volunteers will record their observations, including time of bloom, first leaf and flower and eventually seed dispersal, on a UCAR-based Web site at

www.windows.ucar.edu/citizen_science/budburst.

"Our primary mission is to educate and raise awareness about climate change," Henderson said. "We want people outside observing their environment."

The data will also allow for researchers, including the National Phenology Network, to learn how plants across the country are responding to climate change, which has been linked to extended growing seasons and migration of plants to higher elevations.

Early cues in some plants can affect their reproduction, as well, said Pam Diggle, a plant biologist and professor at the University of Colorado. If a plant blooms before its pollinator -- for instance, a butterfly -- comes out, a mismatch may occur and can decrease the chance of seed dispersal, she said. According to the Japan Meteorological Agency, the country's cherry blossoms now bloom four days earlier than they did in the 1950s.

Project BudBurst comes after a pilot program last spring, when thousands of people recorded the life cycles of several hundred plant species in 26 states.

"We had everybody from 10-year-old kids to people with Ph.D.'s in botany," Henderson said.

Instructions for Reviewing By Laws Revision

Please read By Laws revision on the next two pages. The previous wording has a ~~line through~~, but is still readable. The new wording is underlined. If you feel any of the revisions need discussion please do so at the March meeting. We will vote on the final draft at the May meeting.

Bylaws of the Hawthorn Chapter Missouri Native Plant Society

(revised ~~September 1999~~ March 2008)

ARTICLE I. Name and Purpose

Section 1. The name of the Chapter shall be known as the Hawthorn Chapter of the Missouri Native Plant Society.

Section 2. The purpose of the Hawthorn Chapter of the Missouri Native Plant Society is to promote the enjoyment, preservation, conservation, restoration, and study of flora native to Missouri, public education of the value of the native flora and its habitat, and publication of related information.

ARTICLE II. Membership and Voting

Section 1. Membership in this Chapter shall be open to all persons interested in the purposes of the Chapter and the State Society upon application to the Chapter Treasurer or State Treasurer, accompanied by remittance for dues as hereinafter provided. Membership classifications shall be set forth by the State Society with Chapter dues added to these levels.

Section 2. Each member ~~present~~ shall be entitled to one (1) vote. Any motion or decision placed before the membership at duly held meetings shall be passed by simple majority of the members present at the meeting.

Section 3. A member may vote via an absentee ballot on any issue or election announced in advance by conveying the desired vote to one of the Chapter officers prior to the vote.

ARTICLE III. Meetings

Section 1. An annual meeting for the purpose of electing new officers of this Chapter shall be held ~~at the date and place to be decided by the officers~~ at the end of the Chapter's fiscal year.

Section 2. Regular meetings of the membership shall be as determined by the officers. All members shall be notified in writing of the meetings. Any motion or decision placed before the membership at duly held meetings shall be passed by simple majority of the members ~~present at the meeting~~. (Voting shall be conducted per Article II, Sections 2 and 3.)

ARTICLE IV. Dues

Dues shall be fixed and revised as needed by the Chapter Officers. Proposed changes in the dues shall be published in advance and must be approved by a majority vote.

ARTICLE V. Officers

Section 1. The officers shall be a President, Vice-President, Secretary, Treasurer, and Chapter Representative who shall be elected to two (2) year terms ~~with the President and Secretary elected in odd numbered years and Vice President, Treasurer and Chapter Representative elected in even numbered years. No individual shall serve more than two consecutive terms in the same office.~~ Officers shall serve without compensation.

Section 2. The President shall preside at meetings of the membership and of the officers and shall perform the recognized functions of the office.

Section 3. The Vice-President shall preside at meetings in the absence of the President, ~~chair the Speaker Committee and the Field Trip Committee~~ will serve on one committee of his/her choice and will serve as needed as an advisor to other committees, and shall perform the recognized functions of the office. He or she shall become President if the office of President becomes vacant before expiration of the President's term.

Section 4. The Secretary shall keep the minutes of all regular meetings. ~~of the officers and the membership.~~

Section 5. The Treasurer shall keep and maintain accurate accounts of the transactions of the Chapter, including accounts of its assets, liabilities, receipts, and disbursements. The Treasurer shall deposit all money in the name and to the credit of the Chapter with depositories as may be designated by the officers or the membership. He or she shall disburse the funds of the Chapter as may be ordered by the officers, shall render to the President or membership, whenever requested, an account of all transactions and of the financial condition of the Chapter, and shall have such other powers and perform such other duties as may be prescribed by the membership or the Chapter bylaws. The Treasurer shall maintain a roster of all active members.

Section 6. The Chapter Representative represents the Chapter at board meetings of the State Society and reports back to the Chapter concerning the issues before the State Society and their decisions. The Chapter Representative reports activities of the Chapter to the board and is a voting member of the board. Chapter Representative may be represented by an alternate at board meetings by presenting to the board a written statement from a Chapter Officer to that effect. Alternates have all rights, responsibilities, and privileges as the elected Chapter Representative at that board meeting.

Section 7. Each officer shall, upon the expiration of his or her term, or the termination of his or her duties for any other reason, deliver to his or her successor the records of the office. The outgoing treasurer will reconcile the bank balance with the incoming treasurer.

Section 8. A vacancy, other than one caused by expiration of a term, in the office of Vice President, Secretary, Treasurer, or Chapter Representative may be filled by a special election held for this purpose at a meeting of the membership. A new officer thus elected shall complete the term of office of the person he or she replaces.

Section 9. The President ~~and Vice President~~ shall appoint three members, ~~in odd-numbered years~~, to serve on the Speaker Committee to plan and arrange programs for regular meetings. ~~The Vice President will chair this committee.~~ Committee members shall serve at least two years.

Section 10. The President ~~and Vice President~~ shall appoint three members, ~~in odd-numbered years~~, to serve on the Field Trip Committee to plan and arrange field trips. ~~and workshops.~~ The Vice-President will ~~chair~~ serve as an advisor to this committee as needed. Committee members shall serve at least two years.

Section 11. The President shall appoint three members to serve on the Events Committee to plan and arrange workshops, booths, and other special events. Committee members shall serve at least two years.

ARTICLE VI. Election of Officers

Section 1. Notice of the annual election shall be published in advance

Section 2. The President shall appoint a three-person Nominating Committee at least one month in advance of the election to consist of a Chairperson and two other members. They shall report to the President the names of the nominees selected by the committee. The names of the Nominating Committee, a list of the offices to be filled, and the names of the nominees are to be printed in the Chapter's Newsletter or reported to the membership by mail or email. (Voting shall be conducted per Article II, Sections 2 and 3.)

Section 3. The terms of all newly elected officers shall begin at the conclusion of the annual meeting.

ARTICLE VII. Fiscal Year

The fiscal year of the Chapter shall be the calendar year.

ARTICLE VIII. Amendments

These bylaws may be amended as follows: 1) Proposed changes must be published in the newsletter together with the scheduled voting date. 2) A majority affirmative vote by those present and voting plus any bona fide absentee votes (as provided in Article II, Sections 2 and 3). ~~by an affirmative vote by a majority of the membership present and voting at any annual, regular, or special meeting.~~ Proposed changes to the bylaws will be published in the newsletter prior to a vote by ~~the membership.~~

ARTICLE IX. Publication

The Chapter shall publish and distribute a newsletter, The Hawthorn Chapter Newsletter, regularly Issues will be archived at the State Historical Society.

ARTICLE X. Policies

The Chapter and its members while carrying out activities in support of State Society purposes shall be guided by these policies:

1. The Chapter will function as a not-for-profit, non-political, educational organization.
2. The Chapter will encourage activity in support of native plants and their habitats by all botanists, professional and amateur.
3. The Chapter encourages ethical practices recommended for native plants when collecting or transplanting.
4. Members are encouraged to develop information on native plants and publish or forward that information for publication.

An Introductory Word from Our New President

Hello Fellow Plant Enthusiasts! Thank you for electing me president for the next two years. I value your trust and will depend on your vigorous participation and support. If you ever want to talk with me about anything having to do with the Hawthorn Chapter, please don't hesitate (before 8 pm, please. I'm an early bird, not a night owl). My email is nancyangworthy@hotmail.com and my phone number is 573 874-2463.

Since I'm returning to this area after a long absence, that circumstance makes me like a new person who needs a few words of introduction. I grew up in Times Beach, outside of St. Louis; earned a Ph.D. in cultural anthropology (UMC 1984) and taught anthropology at U of Nebraska-Omaha for four years. I discovered teaching was not my calling, and was thrilled to escape with my husband to live and work overseas (Indonesia, Nepal, India, and France) for the past 18 years. Harry has been with the World Health Organization and I was a contractor with USAID for 11 years. We retired last year and came back to Columbia (I actually met Harry here in Columbia, which is a different story) to be near my brother and his family and several very good old friends.

We bought a 102-acre farm of mostly open grass fields and a tree-lined prairie creek northwest of Columbia about 10 years ago. The planning for the house and what we would do on this farm got me started researching and learning, among other things, about native plants and brought me to join you last summer - as soon as I got settled from moving back to this country. All I've done before now was ordinary vegetable and herb gardening with a very strong organic orientation, so this is a wonderful and exciting new area for me but it all makes sense. I am in awe of the individual and collective experience and knowledge of native plants, insects, birds, and ecology that you all have---I am amazed, astounded, and impressed. I promise to work hard for the Hawthorn Chapter and to scramble to learn and to catch up with you about the plants. I'm really excited about the possibilities!

Editorial: The following is a discussion from the PCA list serve among a few professionals in universities and government agencies about the cost of using native seed or non-native seed in restorations or reconstructions. ([continued on next page, not next column](#))

Greetings, I am interested in the cost competitiveness of native plant species used for restoration. If anyone has information on environmental valuation of natives, cost-benefit analysis of natives vs. non-natives, or other related topics please contact me directly.

Thank you, Megan Haidet
Communications Coordinator
Plant Conservation Alliance
US Fish & Wildlife Service
megan_haidet@fws.gov

STATE MONPS AWARDS

Submitted by Judy Turner, Chapter Representative

Now that the new calendar year has begun, everyone should start thinking about nominees from our chapter for the state awards. These nominations must be received by the Awards Committee (i.e., Jack Harris - jahar@mac.com) by **April 1, 2008** to be considered.

Award Categories:

1. Erna Eisendrath Memorial Education Award. To be awarded to an individual who, through teaching, writing, or other activity has conveyed to others a significant appreciation and knowledge of Missouri's native flora.
2. Arthur Christ Research Award. To be awarded to an individual who has made a significant contribution toward furthering the knowledge of Missouri flora.
3. Plant Stewardship Award. To be awarded to an individual or organization for the preservation of important elements of Missouri's flora through purchase, registry, and/or management practice.
4. The John E. Wylie Award. To recognize individuals who have provided exceptional service to the Society.
5. Julian A. Steyermark Award. The Society's highest award. To be presented to an individual who has made outstanding contributions to any and all aspects of Missouri botany. This award is given as merited for superior achievement.

Recipients need not be members of the Society.

A nomination document should contain the full name of the nominee, the name of the nominator, and set forth the major contributions of the individual or organization that merits recognition by the Society. To help with the nomination documentation the Award Committee has developed an Operations Guide. Anyone wishing to nominate someone from our chapter should contact Judy (jtejasrgv@yahoo.com) for a copy of this Guide.

Megan, I don't know of any formal evaluation, but my experience is that that using native species in the context of performing ecological restoration is always more expensive. Of course, using exotics for restoration is an oxymoron. If you're talking about the relative cost on a per plant basis (for both seeds and plants), natives are more expensive.

Steve Erickson

Frosty Hollow Ecological Restoration

"Helping Nature Heal"

Box 53

Langley, WA 98260

Steve, I somewhat disagree with you on the using native is more expensive.... It really depends on what type of restoration you are doing and if you can use local native plant material. For example, when I had a small consulting company in eastern Washington State I did a lot of riparian habitat restoration for salmon – great fun!!! Collected and used only local native trees and shrubs as live stakes and fascines; hand collected seeds from local grasses and forbes (yes, this took a bit of time but well worth it). I also used a regional seed producer for a special seed mix for my region -- not that much more than crested wheatgrass seed. If you are going to take the time and effort to do habitat restoration then take the money to do it right. If funding is tight (and it is everywhere), try a phased approach -- remember the habitat degradation didn't occur overnight so the restoration doesn't need to either....

I think the key for restoration is -- use local whenever possible. Also if you go with the premise for restoration of -- "fix" the systems that are broke -- bad soil, hydrology, invasive species, etc. Then whatever you plant will have a much better chance of surviving. I'll see if I can find the book I have from a professor from Texas A&M that wrote about this theory for arid rangeland restoration.

MARY ANDERSON

HQ AFSPC/A7CVP

150 VANDENBERG ST, STE 1105

PETERSON AFB CO 80917-4150

719-554-5034

mary.anderson@peterson.af.mil

Mary, I agree with you on the cost of using natives. From what I have seen in restoration work, I have seen much more money used on poor planning such as specifying native plants for restoration where seed sources do not exist, or specifying 5 foot tall material instead of more smaller material (landscape architect consulting fees of 100/hr), excessive earth moving (\$4.00/yard to move dirt and rising), and over specification of plant densities. Also, the nature of contracting restoration work is the adversarial low bid approach between the businessman

and sponsor that results in cost cutting and expense hiding that always gravitates towards lowest cost plant material because it is the last item on the job. The cost of installation including labor, tree protection, and maintenance are in excess of planting costs of natives also. Producing natives in a simple nursery is very feasible and project sponsors should consider accessing the production information available for many natives and partnering with a local high school to grow them. Natives should be used where they make sense, an area relatively free of invasive plants, use plants from the site that are easy to grow, and don't use natives as a punitive measure (run the cost of a project up specifying many large plants that do not exist in inventories).

Virgil Dupuis

Mary, I so appreciate and agree with your comments. I believe you are thinking of Steven Whisenant's book: Repairing Damaged Wildlands, A Process-Oriented, Landscape-Scale Approach which is also excellent in providing an international perspective to our approaches here.

Lisa Tasker

em ecological, LLC

Carbondale, CO 81623

Subject: Cost of Producing Natives

The industrialization of the horticulture industry will always produce a lower unit cost for exotic plant material due to economies of scale. Tens of thousands of a particular species or hybrid selection can be produced in a few locations where mechanization and a concentration of specialized labor can keep that unit cost low enough to allow shipping the plants across the country.

Production of native plant material must be, by definition, a local and smaller scale operation. The inherent inefficiencies in small batch production and the smaller scale market (again, by definition) will not generate great enough returns to justify the capital expenditures necessary to achieve those lower unit costs.

I suggest that this comparison between initial cost of exotics versus natives is not the correct one. Restoration using exotics is not restoration. If the real cost of the loss of diversity could be added to the cost of the inexpensive exotics, natives would compare much more favorably.

Best regards to everyone working with this and Go Native!

Jerry C. Hopkins

Nursery Operations Supervisor

Marietta State Nursery

740-373-6574 at Marietta

jerry.hopkins@dnr.state.oh.us

Please Step Forward For Service

We need help with the booth when we attend fairs and field days. We need assistance with several workdays at the Stadium Site. Please contact one of the officers ready to volunteer a little time to a very good environmental and educational service.

___ Student (\$11.00)

___ Regular (\$16.00)

___ Contributing (\$26.00)

— Life (\$200.00)

Includes both Chapter and State dues.

Make check payable to: **Missouri Native Plant Society.**

Send check and this form to: Paula Peters, 2216 Grace Ellen Dr., Columbia, MO 65202

MEMBERSHIP FORM Missouri Native Plant Society—Hawthorn Chapter July 1 through June 30.

Name _____

Address _____

Phone: Evening _____

Day (or cell) _____

Email: _____

Do you want to receive email updates between newsletters?

Yes No

Method of receiving chapter newsletter:

(circle preference) **Email** **Regular mail**

(Email delivery brings you color photos and it saves NPS money)

Hawthorn Chapter Missouri Native Plant Society
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