

Natural Area Preservation News

Protecting and restoring Ann Arbor's natural areas and fostering an environmental ethic among its citizens

Volume 13, Number 1

Spring 2008

Park Focus: Camp Hilltop

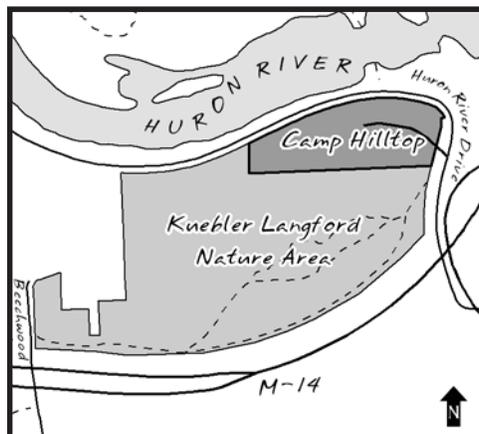
by Billy Kirst and Jason Tallant

Viewed at the moment they are occurring, without reference to the past or inference to the future, some of the seemingly “destructive” restoration practices of tree thinning, shrub removal, and prescribed fire appear to run counter to the mission of ecological restoration. If increasing biodiversity and promoting ecological sustainability are our goals, how can the outright manipulation of plant and animal communities be a means to this end? By respecting and knowing the past, as well as keeping close observation of the present, we are coming to understand the trajectory of process. In much the same way we can observe the restoration transformation of Camp Hilltop.

In the spring of 2006, a fire at the Girl Scouts' Camp Hilltop gathering house rendered the building unfit for occupancy. All that remained was a shell and the memories of hikes. However, fire, so often seen as a destructive force of nature, begets new life. Seeking to preserve its cultural and natural history, the City of Ann Arbor purchased the 7.7-acre Camp Hilltop property from the Girl Scouts of Huron Valley in August of 2007. A restoration plan consisting of demolition of the remaining condemned buildings, grading, reseeding, invasive shrub control, and prescribed fire was developed to manage one of the City's newest natural areas. As part of the restoration team, we are witnessing the metamorphosis.

In the early spring of last year, with backpack blowers on, we hiked the hills at Camp Hilltop and adjacent Kuebler Langford, constructing fire breaks for the day's prescribed fire. Our burn unit was nearly the entire site, including the ravine to the south and the trail along the hillcrest to the north. The forest drastically changes in

composition from oak-hickory to a buckthorn thicket along the southwest edge. Uncovering the trail and patches of bare soil with our blowers, we saw small nubbins of May-apples (*Podophyllum peltatum*), no larger than an inch and a half, emerging from the soil. Immature May-apples are so delightful to watch grow. First they look like little thimbles poking out from the Earth. As they push up through the ground, their umbrella leaves slowly unfurl until they are completely open and it looks as though the forest floor is covered with umbrellas suited more for your favorite tropical libation rather than a dominant understory perennial.



With a warmer than usual spring, the woodland wildflowers were ahead of schedule, and the NAP plant enthusiasts felt a bit disenchanted as the burn progressed. While the fire carried along, we watched the growing tops of some favorite plants seared into a delicacy being offered to the woods. Visiting the site a few weeks later, there were many reminders that fire spurs new growth.

All of those areas that had housed young wildflowers, presumed dead, were covered in spring's woodland rapture. The display was brilliant. We resolved to walk these trails throughout the year.

Moving on with the restoration plan, we returned to Camp Hilltop in the middle of May to sweep the site for spring's herbaceous invasives. Luckily, there weren't substantial populations of garlic mustard, bittercress, or dame's rocket. The success of the days work inspired a moment of reflection. The Girl Scouts of Huron Valley had owned this property for many years. During that time, countless girls and women were able to experience the wonders of nature. Mothers have been able to witness their daughters enjoy the

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Coordinator's Corner

A Dream Come True

One of my projects over the past year has been working with a team of folks to plan the Stewardship Network's first conference, which was held late in January. It was truly a labor of love. Besides the opportunity to work with our Executive Director, Lisa Brush, and a bunch of other great people, it was—in many ways—the fulfillment of a 14-year-old dream.

Shortly after arriving in this job in 1993, I started longing for a network of peers to bounce ideas off of and seek guidance from. The Volunteer Stewardship Network in Chicago provided such a resource, but it was a 5-hour drive to participate in any of their events. So in the mid-1990's we started organizing our own "Stewardship Network Field Days" here in southwest Michigan and rounded-up key players locally. But that just wetted our appetite for more networking! Hence, when Bob Grese (U of M) and Paul Rentschler (Huron River Watershed Council) found a funding source to help formalize our own local network in 1995, I was eager to work with them to make it a reality, and our 3 organizations formed the core of that effort.

Since then we've been steadily building the Network, which has now expanded far beyond southeast Michigan, as demonstrated by the 350 people from throughout the Midwest who came to the conference. What an inspiration that was! It really made me feel as though Ann Arbor's emphasis on the stewardship of natural areas was becoming less of an anomaly. More and more public and private groups across the Midwest are seeing the value of ecological stewardship. And that is something that NAP, and all of you who support us, can feel a lot of pride about.

- David Borneman, Natural Area Preservation Manager

Garlic Mustard Poem

By Florian Vankampen-Wright, NAP Volunteer, Age 13



Mustard of garlic, it came and it stayed
And all of the communities payed.
Garlic mustard, the scourge of the land
Engaged to dames rocket, went out hand in hand
Across the land into the sand.
Here they spread their wedding band,
Millions of offspring were filling the land
Killing the natives, taking their space,
Winning by far in this deadly plant race.
Then came something out of the blue,
Came NAP warriors, yes, it was true,
They burned, they pulled, they chopped all day long.
They chopped all the daughters, sliced every son.
Soon, soon they'll know they won.
When mustard of garlic is forced on the run.



City of Ann Arbor
**Natural Area
Preservation**

A unit of the City of Ann Arbor
Public Services, Field Operations

The mission of Natural Area Preservation is to protect and restore Ann Arbor's natural areas and to foster an environmental ethic among its citizens.

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If you would prefer to receive your next newsletter via e-mail please call NAP

FYI on CCD

by David Cappaert , past NAP Entomologist and current volunteer

Entomological concerns rarely capture national attention. A couple of the big 2007 bug news items were the growing concern over bed bugs and the emergence of the Brood XIII periodical cicadas in Illinois. But the top insect story of the year—the honeybee decline termed “Colony Collapse Disorder” (CCD)—has enormous implications for all of us. A plethora of news articles on the phenomenon have raised awareness regarding the importance of honeybees in agriculture. It is easiest to state the major crops that *don't* rely on honeybees for pollination: corn, wheat, potatoes, and rice. Honeybees are either important, or essential, to production of the rest of the fruits and vegetables grown in the United States. Even livestock rely on alfalfa and clover pollinated by bees.

CCD was first reported by a Pennsylvania beekeeper in October 2006. After moving his colonies (“boiling with bees”) to Florida, the bees in most hives simply disappeared. Oddly, there were none of the symptoms of usual problems—the queen and brood were healthy, honey and pollen abundant, and no dead bees in the hive. Foraging bees had flown out, and not returned. That syndrome turned out to be widespread, evident in 33 states (including Michigan) and accounting for a loss of perhaps one third of colonies nationally. Until the cause of CCD is determined, we won't know whether the 2007 experience is an anomaly we can fix, or the first hint of a larger crisis.

Scientists looking for explanatory hypotheses have a long list to consider. There are several trends in US apiculture that are preconditions for disaster. Honeybee diseases have become major issues with the recent introduction of varroa and tracheal mites, added to a background of microbial diseases. Mites have already essentially eliminated wild honeybees. Pesticides, always an acute threat to bees working intensively managed crops, accumulate in colony products (honey, wax) and may have significant non-lethal effects (e.g., on orientation of foraging bees). One of the most abundant pesticides in hives is fluvalinate, deliberately administered to colonies for disease control. Both of these problems—disease and pesticide exposure—are likely exacerbated by the intensification of cropping systems. Most commercial colonies are moved long distances to follow the pollination seasons for citrus, blueberries, apples, and so on. One half of all commercial colonies (1.2 million hives) visit California for the almond crop. This colossal bee trafficking means that every colony has wide exposure to the diseases of every other colony. It also means chronic stress, as the pollination circuit is not designed for the



Photo by David Cappaert of Honeybee, *Apis mellifera*

nutritional needs of bees, which is best met by a diversity of floral resources.

So what is the most likely cause of CCD? Some early theories have been discounted: CCD is probably not caused by cell phone signals, terrorist plots, or imminent rapture. CCD cannot be attributed to any one agricultural chemical. The major honeybee diseases are more prevalent in CCD hives, but sometimes absent. Ultimately, two possibilities are most plausible. The best candidate for a single cause of CCD is Israeli Acute Paralysis Virus (IAPV). This disease is strongly associated with CCD colonies. Though evidently present in the US since 2002, it may have become widely established with the importation of infected Australian bees in 2005. A key to evaluating IAPV will be to determine whether it is secondary to a primary cause, or actually induces CCD. The second possibility is that the interaction of stresses—diseases, pesticides, poor nutrition, transportation—has damaged the finely tuned function of bee colonies.

CCD is clearly bad news for beekeepers, farmers, and consumers. However the news of CCD has an upside, highlighting the importance of pollination. One small part of the research on CCD is focused on native pollinators, which could augment pollination in many crops and reduce reliance on European honeybees. It is clear that our current pollination system is bad for bees on many levels. It's also clear that a fix—which might be as simple as a disease treatment or as difficult as a redesign of cropping systems—is needed, unless we want to stick to a diet of corn, wheat, potatoes and rice.

NAP Puzzler Answers - Across: landscaper, pollination, tadpoles, campfire, bird, crew Down: garlic mustard, spurs, earthday, potatoes

Spring 2008 Natural Area Preservation Volunteer Stewardship Calendar

NAP is located at the Leslie Science & Nature Center (LSNC, 1831 Traver Road, Ann Arbor, 48105), 734.996.3266. Workday orientations start promptly at listed times. Please wear long pants and closed-toe shoes. Minors must either be accompanied by a guardian or contact NAP in advance to obtain a release form. Contact NAP if a group you are involved with is interested in planning a volunteer stewardship event. Our website is www.a2gov.org/nap

March

March 1, Saturday
Salamander Survey Kick-Off Meeting
10:00 am to 12:00 noon, LSNC
Join Michigan's first Salamander monitoring program in its fifth year! With your help, we will learn more about these species' population abundance and distribution around town. Volunteers with a bit of identification experience and a willingness to get muddy, please apply. Please register by calling NAP at 996.3266 by February 22.



March 1, Saturday
Frog & Toad Kick-Off Meeting
1:30 to 3:00 pm, LSNC
Volunteers can learn more about Ann Arbor's amphibians while contributing to our inventory efforts. The meeting will cover general information about the annual survey and is required training to participate in the survey. Route sign-up will also take place. Please call the NAP office at 996.3266 to register.

March 1, Saturday
Scarlett-Mitchell Nature Area Stewardship Workday
10:00 am to 1:00 pm
We will be cutting invasive shrubs during this early spring intensive workday weekend to clear the way for the return of native grasses and wildflowers. Meet in the Scarlett Middle School parking lot off Lorraine Street.



March 2, Sunday
Scarlett-Mitchell Nature Area Stewardship Workday
10:00 am to 1:00 pm
Part two of invasive shrub cutting for this park. Buckthorn and honeysuckle crowd out all other plants. Come help restore diversity! Meet in the Scarlett Middle School parking lot off Lorraine Street.



March 4, Tuesday
Public Meeting - Prescribed Ecological Burn Program
7:30 to 9:00 pm, LSNC
Fire is used as a restoration tool in some of Ann Arbor's natural areas. This meeting will provide information and an opportunity for discussion about the Prescribed Ecological Burn Program conducted by Natural Area Preservation. Burns will be conducted in City Parks throughout the spring and fall.



March 5, Wednesday
Prescribed Burn Crew Training
12:00 noon to 5:00 pm, LSNC
This is the required one-time training session for all new volunteers interested in assisting with the prescribed burns held this spring and fall. Burns take place Monday through Friday sometime between 12:00 noon and 5:00 pm. Pre-registration is required by March 2. Please call the NAP office at 996.3266 to register or for more information.



March 5, 12, 19, 26
Native Landscaping Workshop Series, LSNC
7:00 to 9:00 pm
Using native plants in your yard adds a great deal of beauty and helps the environment. Join five local experts for one or all four parts in this series on native gardening. See www.stewardshipnetwork.org for more details or call 734.996.3190.



March 11, Tuesday
Huron Arbor Stewards Circle Brueggers Bagels on N University Ave.
7:30 to 8:30am
Natural areas are great locations for us to get away, but sometimes they are misused. Have you dealt with vandalism, vagrancy, or other mis-use? What solutions have and haven't worked for you?



March 20, Thursday
Huron Arbor Stewards' Circle NEW Center, 1100 N Main
12:00 noon to 1:00 pm
See March 11 Stewards' Circle for topic.



March 22, Saturday
Photo Monitoring Kick Off
10:00 am - 12:00 noon, LSNC
Do you like photography? Spending time outdoors? Photomonitoring may be the perfect volunteer opportunity for you! Come join us at this informational meeting for more details.



March 29, Saturday
Furstenberg Native Plant Garden Stewardship Workday
9:00 am to 12:00 noon
Join Park Steward and Master Gardener, Aunita Erskine, for her annual spring cleanup and botanical walk. Meet in the Furstenberg parking lot off Fuller Road, across from Huron High School.



March 29, Saturday
Miller Woods Stewardship Workday
10:00 am to 1:00 pm
Heavily traveled park trails need maintenance. Join us for spreading chips and trimming back the trails in this neighborhood park. Meet us at the Arborview Boulevard entrance, just east of Wildwood Avenue.



April

April 6, Sunday
Dolph Nature Area Stewardship Workday
1:00 to 4:00 pm
It's Spring and time to spruce up those trails to get ready for Birding! We will also be working around the corner at the park entrance to Lakewood Nature Area. Meet at the Park Lake Ave. entrance to the park just south of the dock lookout.



April 8, Tuesday
Huron Arbor Stewards Circle Brueggers Bagels on N University Ave.
7:30 to 8:30am
What is Integrated Pest Management? When should we use herbicides? How do we make the decision to utilize herbicides over other options?



April 10, Thursday
Breeding Bird Survey Kick-Off
LSNC, 7:30 to 9:00 pm



Come learn how to help inventory breeding birds in your favorite park! NAP Ornithologist Dea Armstrong will also report on the 2007 data and survey highlights. Please call our office to register by April 8 at 734.996.3266. For more information about joining our Breeding Bird Survey call our office.

April 12, Saturday
Sugarbush Nature Area
Stewardship Workday
10:00 am to 1:00 pm



Help us maintain the trails in this pleasant getaway! We'll trim and chip, and do a sweep for the invasive garlic mustard. Join us in outdoor exercise for a good cause, and fun for the whole family. Snacks provided too! Meet us between the two cul-de-sacs on Yellowstone Drive, just south of Bluett Road.

April 12, Saturday
Huron River Cleanup



by Canoe 9:00 am to 2:00 pm
by Land 10:00 am to 1:00 pm
Help the Huron River by removing trash while canoeing or walking on land! Please pre-register for this event as participation is limited. For the canoe cleanup, contact David Fanslow at 734.744.2353 or dave.fanslow@noaa.gov. For the land cleanup, contact NAP at 734.996.3266 or nap@a2gov.org. Canoe usage for this cleanup is FREE!

April 17, Thursday
Huron Arbor Stewards' Circle
NEW Center, 1100 N Main
12:00 noon to 1:00 pm



See April 8 Stewards' Circle for topic.

April 19, Saturday
Leslie Woods
Stewardship Workday
10:00 am to 1:00 pm



It's garlic mustard season. With annual "sweeps" of the parks we can keep out this persistent, invasive plant. This activity is suitable for all ages. We provide all equipment and high energy snacks. Meet us at the park entrance at the north end of Upland Drive, north of Plymouth Road.

April 20, Sunday
Hollywood Nature Area
Stewardship Workday
1:00 to 4:00 pm



Come on out for camaraderie in nature as we work on trails in this city park. We provide all equipment and cookies. You provide the help to get the job done! Meet us on Sequoia Parkway near the intersection of Archwood Drive.

April 27, Sunday
Earth Day Festival, LSNC
12:00 noon to 4:00 pm



Join us for this free, city-wide annual event to celebrate the diversity and abundance of the earth. The new non-profit LSNC will host free hands-on activities, entertainment, nature walks, and live animal presentations.

April 27, Sunday
Bird Hills Neighborhood
Coalition Series
1:00 to 4:00 pm



Join us for the first of four exciting workdays with the Bird Hills Coalition Group (other dates are 5/11, 5/25, and 6/1). This series will be focused on giving the Newport entrance some loving attention. Meet at the Newport entrance to the park.

May

May 3, Saturday
Greenview Stewardship Workday
9:00 am to 12:00 noon



The neighbors will be out planting bulbs and spreading woodchips. Come join us! Meet at the Greenview Park sign, on Greenview Drive, across from Barnard Road.

May 3, Saturday
10th! Annual Garlic Mustard
Weed-Out 10:00 am to 1:00 pm
Barbeque 2:00 to 4:00pm, LSNC



Join NAP as we pull garlic mustard city wide! Please see the NAP website at www.a2gov.org/nap to find a location near you. Afterwards, we'll have a BBQ potluck at LSNC. Please bring a dish to share. We'll provide food made from garlic mustard! All are welcome. Please RSVP if you plan to attend the potluck (996.3266).

May 10, Saturday
Mary Beth Doyle
Stewardship Series
9:00 am to 12:00 noon



This is your second chance to join us for this 4-part series of workdays transforming the Packard entrance to this park (formerly Brown). Today we will be setting out native plants. Meet us at the parking lot off Packard Road, across from Easy Street.

May 11, 2008
Bird Hills Nature Area
Coalition Series
1:00 to 4:00 pm



Join us on Mother's Day for the second in a series of four workdays at Bird Hills. See April 27 for description and details.

May 13, Tuesday
Huron Arbor Stewards Circle
Brueggers Bagels on N University Ave.
7:30 to 8:30am



Pollinators are an essential component of ecosystem health. Do we consider their importance often enough? How can our management decisions help to ensure their vitality?

May 15, Thursday
Huron Arbor Stewards' Circle
NEW Center, 1100 N Main
12:00 noon to 1:00 pm



See May 13 Stewards' Circle for topic.

May 17, Saturday
Furstenberg Native Plant
Garden Stewardship Workday
9:00 am to 12:00 noon



Join Park Steward and Master Gardener, Aunita Erskine, to learn about native gardening while planting baby natives and placing name markers in the garden. Meet in the Furstenberg parking lot off Fuller Road, across from Huron High School. A nature walk will be held at the end of the workday.

May 17, Saturday
Downtown Cleanup
9:00 am to 12:00 noon



Help plant flowers throughout the downtown area. Volunteers meet at Liberty Plaza, corner of Division and Liberty. Free pizza and pop lunch. Pre-register by calling 994.4176.

May 17, Saturday
Spring Adopt-A-Park Kickoff
Various times at Various Parks
Adopt-A-Park
Would you like to help clean up your neighborhood park? Maybe plant a tree or some flowers? For more information contact the Adopt-A-Park coordinators at 994.3029 or check out www.a2gov.org/adopt-a-park



May 25, Sunday
Bird Hills Nature Area
Coalition Group
1:00 to 4:00 pm



See April 27 for description and details. This park just keeps getting better!

May 30, Friday
Gallup Park Evening Bird Watching Walk
6:00 to 8:00 pm

Free for all ages. Join City Ornithologist Dea Armstrong as she leads a walk to look for birds in the evening at Gallup Park and Furstenberg Nature Area. Bring binoculars if you have them. Meet at the paddleboat dock in Gallup, near the canoe livery.



Sylvan Park's Frogs Populate Ann Arbor

by Susan Bryan, NAP volunteer

"We've got tadpoles" Caleb crowed! He is the kid from a few doors down, and is always running back and forth on the sidewalk in front of my house. "We'll, let's see them." I followed him to his back yard. Out around the side of his house, we peered into a big white bucket. His dad joined us. He pointed the tadpoles out to me, and told me the story of where they came from.

Out at Sylvan Park, there is a new hollow in the ground – a hole some might call it – where the water ponds in the spring. This past spring, it filled up with water, and drew down slowly, allowing a population of tadpoles to hatch, which filled the water with swimmers. Kids from the playground, the neighborhood – the whole world it seemed – came to see the tadpoles and watch them grow.

As spring progressed, the water started to dry up. It was drying up faster than the tadpoles were developing. They needed to grow from little swimmers, to strange fish-with-legs-creatures, and eventually to frogs or toads. It didn't seem like they would win the race to grow up into frogs or toads before the pond was dry. So kids started taking the tadpoles home in buckets. All over Ann Arbor, buckets were appearing on back porches with the Sylvan Park tadpoles.

The tadpoles in Caleb's bucket eventually grew up into Green Frogs or American Toads. One day I visited my neighbor to see the tadpoles and all that was left was an empty bucket. All 4 of the creatures had disappeared when they had enough gumption to trust their legs. The other tadpoles, on the other back porches must have grown up too, spreading those Sylvan Park frogs and toads all over Ann Arbor.

The hollow depression where the tadpoles hatched at Sylvan is actually a rainwater garden that Jeff Dehring and I designed as part of the playground improvements at Sylvan Park. It provides a spot for rainwater and groundwater to pool, instead of sitting on the new asphalt pathway. This past fall, Catherine Reiff, the new Lansdowne Park Adopter, led a group of volunteers to plant native flowers & grasses in this low spot, to create a rainwater garden out of a muddy hole.

This spring we'll see if the rainwater garden, with its new plants and mulch, attracts as many frogs as the plain muddy hole did last spring. Or as many kids.

Editor's Note: If you're interested in projects to improve your local park, like a rainwater garden, contact the Adopt-A-Park staff at 994.3029 or adopt-a-park@a2gov.org

Park Focus: Camphilltop

Continued from page 1

very same marvels they enjoyed in their youth. As the world and life changes, time for many stood still at Camp Hilltop. This stillness allowed mothers and daughters to connect through shared experiences over decades; and to environmentalists, conservationists, and naturalists alike, through nature. How then can the past of Camp Hilltop be kept alive? It would be a shame to have such a wonderful marker of the cultural history of Ann Arbor erased.

Perhaps the act of restoring these cultural footprints can be viewed as our way of paying homage to this land. Where a building once stood, native grasses and wildflowers have been seeded. The Girl Scouts' stewardship, their teachings, and their collective memories will live on at Camp Hilltop. Myths and legends will grow as the oaks grow. Stories will weave their way into the wildflowers that blanket "Unicorn Valley." Animals will graze where young ladies told tales and ate s'mores. Where a building once stood a young prairie will bloom, wildflowers budding through the freshly burned thatch. Some day, a grandmother will take her granddaughter by the hand to walk these trails and share the same stories she was told as a Girl Scout. "When I was your age..."

Staff Updates

hello...

Matt Demmon - I started out by volunteering with NAP 5 years ago, and have come around again to work on the crew. I spent the intervening years working for various local landscaping and restoration businesses, most of which were owned by ex-NAPers. I look forward to continuing where I left off getting to know the city parks.



NAP Calendar Corrections:

- Opps! We forgot to add the **Furstenberg Native Plant Garden Stewardship Workday Series**: March 29 (9:00 am to Noon), May 17 (9:00 am to Noon), June 21 (9:00 am to Noon), July 26 (9:00 am to Noon), and Sept. 14 (Noon - 3:00 pm).
- **Huron River Day** (July 13) begins at 8:00 am with a 5K run and one-mile fun run. From 12:00 noon until 4:00 pm there are **FREE** festivities for the whole family.
- December's photograph was taken by Harold Eyster.

NAPpenings

Thank you...

- ♥Dorothy Lenz, Betty McLean, and neighbors for their generous donation to the Adopt-A-Park Program in memory of John McLean
- ♥Pittsfield Elementary School for woodchipping trails at Redbud Nature Area
- ♥Students of Greenhill School for their work at Kuebler Langford Nature Area
- ♥APO and Keyclub for removing buckthorn at Redbud
- ♥UM Community Scholars Program for clearing shrubs at Black Pond Woods
- ♥The Pioneer Key Club for volunteering at Huron Parkway Nature Area
- ♥The Girl Scouts for spreading native seeds at Kuebler Langford

Conference Updates

NAP's own David Mifsud, Herpetologist, and Jason Frenzel, Outreach Coordinator, presented at **The Stewardship Network's Science, Practice, and Art of Restoring Native Ecosystems Conference** this past January.

The **Wildflowers Association of Michigan Conference** will take place March 2 & 3 at the Kellogg Center in Lansing. This year's theme is "Saving and Spreading the Wild." For more information, please check out their website at www.wildflowersmich.org/. Don't miss the opportunity to hear NAP's own David Borneman present on prescribed fire.

The **3rd Annual Fire in Eastern Oak Forests Conference** is scheduled for May 20-22 in Carbondale, IL. This year's theme is "Learning from Experience." The key emphasis will be placed on exchanging practical knowledge gained by practitioners as well as researchers. Please visit www.dce.siu.edu for more information.

a little help...

NAP is looking for someone to do some video-documentation at various events we will have this spring and summer. We're hoping to put these materials on CTN later in the year. If you're interested in volunteering, please give us a call at 996.3266.



The Stewardship Network

Pulling together for nature

Using native plants in your yard adds a great deal of beauty and helps the environment. Learn how to plan well for the easiest installation; about all the wonderful choices you have with native plants; how rainwater gardening can be beautiful, ecological, and economical; and what maintenance you will need to plan for and how to keep your new gardens beautiful! Join five local experts for one or all four parts in this series on native gardening.

What: Native Landscaping Workshop Series
Where: Leslie Science and Nature Center
Dates: March 5, 12, 19, 26
Time: 7:00- 9:00 pm
Topics: Design and Installation
Plant Section Options
Rainwater Gardens
Maintenance

Presenters: David Mindell
Aunita Erskine
Harry Sheehan
Jason Frenzel
Bill Schneider

Preregistration: www.stewardshipnetwork.org

Cost: SN Member \$10/ Non-member \$15 per topic

Visit our website at www.stewardshipnetwork.org or call 734.996.3190 for more info.

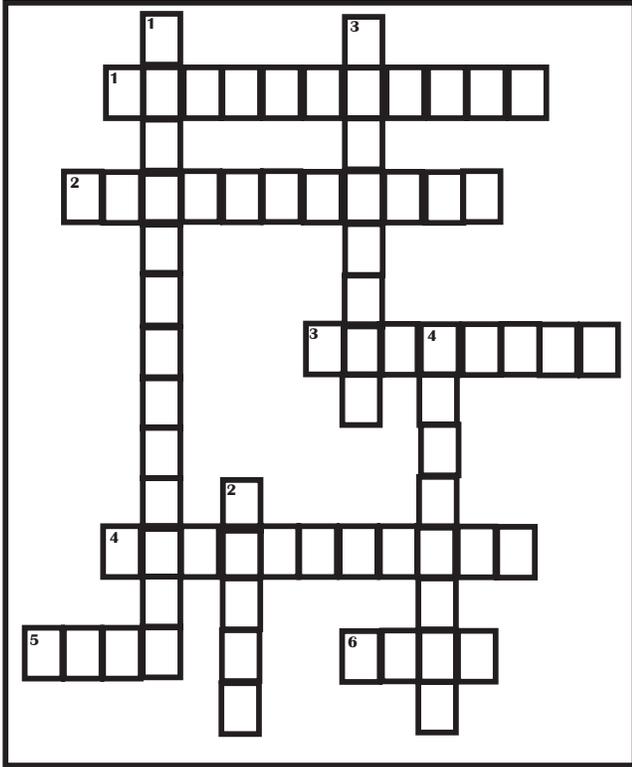
Natural Area Preservation's 10th Annual
Garlic Mustard Weed Out Day!
Saturday, May 3rd
Weedout: 10:00 am to 1:00 pm
Barbeque: 2:00 to 4:00 pm

Choose from these locations to pull garlic mustard:

- Argo Nature Area - Meet in parking lot north of Argo Canoe Livery, off Longshore Drive
- Bird Hills Nature Area - Meet at the park entrance on Bird Road, west of Huron River Drive
- Black Pond Woods Nature Area - Meet at LSNC parking lot (1831 Traver Rd.)
- Cedar Bend Nature Area - Meet at the Island Park parking lot at end of Island Drive
- Hannah Nature Area - Meet at the end of Bath St., west of 7th (between Miller and Huron)
- Huron Hills Golf Course Woods - Meet on Hunting Valley off Provincial Drive
- Huron Parkway Nature Area - Meet at the Park Steward's house: 3470 Woodland Rd., off East Huron River Drive
- Lakewood Nature Area - Meet at the Lakewood Elementary School parking lot off Gralake Avenue (3 blocks south of Jackson Ave.)
- Leslie Science and Nature Center - Meet at the LSNC parking lot (1831 Traver Rd.)
- Redbud Nature Area - Meet at park entrance at intersection of Parkwood Ave. and Jeanne St.
- Sunset Brooks Nature Area - Meet at park entrance on Sunset Rd., at the end of Brooks St.

THE NAP PUZZLER!

For answers, see page 3



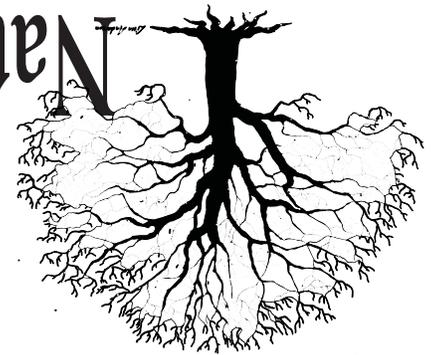
Across:

- 1) Check out this Native _____ Workshop held on March 5, 12, 19, and 26!
- 2) The news of CCD highlights the importance of this.
- 3) What creatures are commonly found in rainwater gardens in the spring?
- 4) A picture of this natural area was featured as the winter edition puzzler.
- 5) Be sure to check out NAP's 3 Survey Kick-Off's this March and April: Frog and Toad, Salamander, and Breeding _____.
- 6) Be sure to preregister by March 2 for NAP's Prescribed Burn _____ Training!

Down:

- 1) This spring invasive is edible! Come try recipes made from it at our May 3rd barbeque.
- 2) "...fire _____ new growth." (hint: read the Park Focus Article)
- 3) What festival is April 19?
- 4) The FYI on CCD article states "we do not rely on honeybees for pollination of" this common crop.

Natural Area Preservation News



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