

## THE REWOVEN SAVANNA At Snyder Heritage near Elkhart in central lowa, the oak savanna is making a comeback. (Photo by Brian Abeling) ON THE COVER Students enjoy spring underneath the Iowa State University Campanile. See ISU-related articles on pages 44 and 56. (Photo by Brian Abeling)

### THE IOWAN

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#### features

THE REWOVEN SAVANNA

by Keygan Sands and Brian Abeling
More than 150 acres of retired farmland, now in the hands of the Iowa Natural Heritage Foundation, is on its way to becoming what it once was—an oak savanna that was home to wildlife and a diverse mix of native plants and trees.

O CELEBRATING OUR ORIGINS

by Ira Lacher

Heritage centers and museums around lowa provide connections with the places we or our ancestors once called home.

26 NO STRINGS ATTACHED

by Jay Gilliam

There are five species of kites (a type of bird) that can be found in North America. The Mississippi Kite (Ictinia mississippiensis) is the smallest member of the kite family and can be found right here in Iowa.

RETHINKING THE GRID

by Avery Gregurich
Amid the major power dis

Amid the major power disruptions caused by severe storms in recent years, research from Iowa State University highlights the potential benefits of a national macrogrid.

MALNUT WEEKEND

by Erich Gaukel

Every June, antique dealers and thousands of shoppers from around the Midwest head to western lowa for the Walnut Antique Show, now in its 39th year.

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# THEREWOVEN SAVANNA

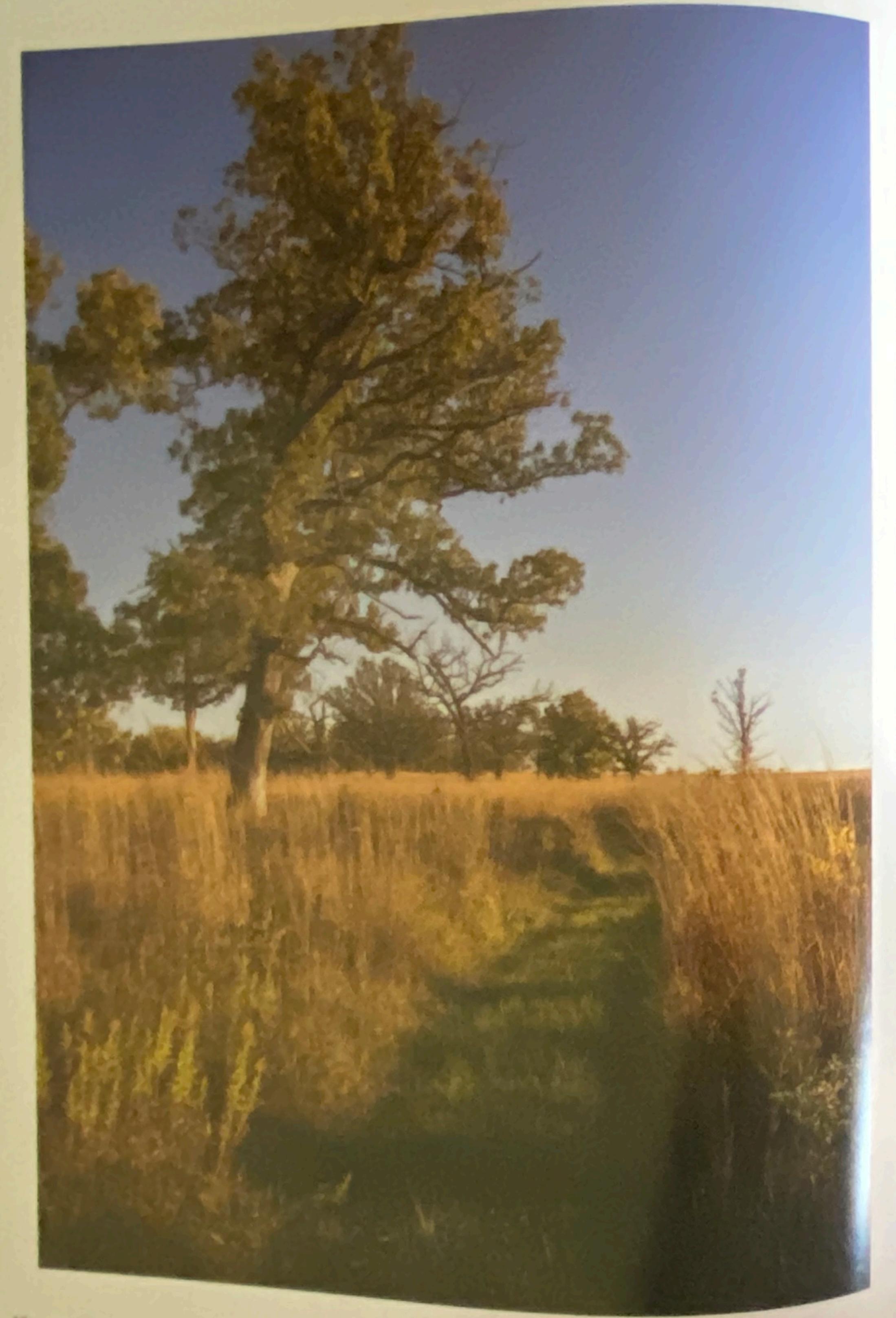
How Snyder Heritage Farm near Elkhart shows us the possibility of reconnection

Essay by Keygan Sands

Photography by Brian Abeti

Natural areas in lowa are mostly small, and always precious; much of our landscape is disjointed from itself. We can see the disconnect in the wast tracts of croplands that enclose and shatter streams, in our fragmented parks, and in the isolated stands of woodland and prairie. There are also ways we can't directly see it: interruptions in the flow of water, a chronic loss of displaced soil, and the absence of fire.

But, through the eyes and words of others, and through explorations by our own feet, we can find places.





Opposite: Oak savanna, once a common landscape feature of lowa, is being restored at Snyder Heritage Farm.

Above: Ryan Schmidt, Central Iowan Land Stewardshi Director for the Iowan Natural Heritage Foundation, guides visitors during a fall hike at the farm.

where the land has been reconnected: rewoven into the forces of water and fire, into the tapestry of living species which breathe and bloom just beyond our skin. It is the self-appointed rask of the Iowa Natural Heritage Foundation (INHF) to protect and restore such places, and to connect the hickories. people of Iowa to them.

Snyder Heritage Farm was named for the family that owned and worked that pocket of land since the 19th century. The family, like all farmers, were entrusted with caretaking of the land even as Des Moines and all its

satellites burgeoned just southwest, and industrial agriculturalists channelized the Skunk River to the northeast. Like other farmers, they installed drainage tile beneath their fields, denied fire, and sent cattle to graze beneath centuries-old oaks and

By the 1980s, the Snyders were aging beyond their ability to farm and, according to Ryan Schmidt, INHF's Central Iowa Land Srewardship Director, "wondering what the next step was for the property they cared so much about." They wanted to

somehow ensure its protection in furure years. Through conversation, they discovered INHF, an organization which safeguards natural landscapes, and in 1991, decided to free the land from the pressures of farming and donate their 154 acres.

In the golden hours before sunset on October 14, Ryan, acting as a guide, waited at Snyder Heritage Farm. INHF was holding a Fall Foliage Hike to appreciate the "autumn glory" of the savanna and prairie.

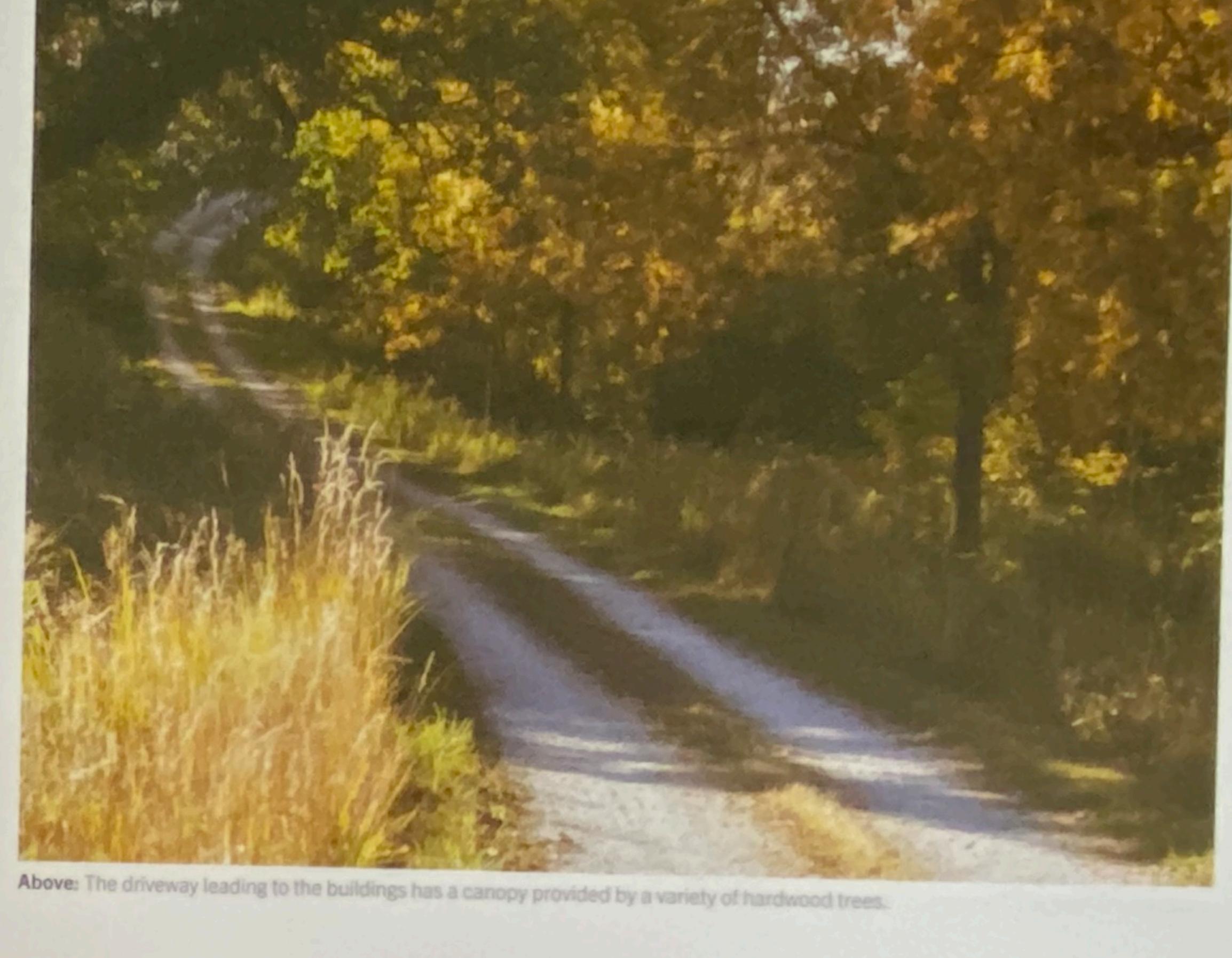


The visitors—a group of eventy to volunteem, photographer Brian embusiants—began their walk under oak, bur oak, red oak, and shagbark the bronzed, gliszening leaves of the hickory, and a young boy asked how coales and hickories. Invisible to chem, old one of the trees was, Although

awayed around them, a shoulder-high property was first donated, plenty of sen of regression readying medi for the big trees still lived on the land, many

their boots. Ryan guided the visitors into the savanna, talking to them as they traveled. They wound between dark, columnar trunks of white of time and muscle opens on restoring discussed how it might be calculated without removing the tree and made Photis amber seed-beads glisterned and was in a degraded state when the an estimate. Although the savanna seasons of discensions. Leaves and day of them probably over two hundred

According to the Savanna Oak Foundation, "intact oak savannas are now one of the rarest plant communities on earth." They once covered over fifty million acres of Midwestern land, but were also at first, was the tremendous amount. Ryan didn't know the exact answer, he settlers to develop. In a savanna, one of the most attractive places for the tree canopy is sparser than a forest, covering only 10-50 percent of the area. Individual trees sprawl in majestic, bushy plumes, with branches stretching from the trunk all directions, some almost brushing the ground. Such "open-grown" tree are actually quite familiar: this is the



shape most city trees form. Savannas allow more light to hit the ground beneath and between each stately tree, so more grasses and wildflowers sprout than in a dense forest. A diverse array of plants, from sunloving prairie species to shade-tolerant woodland species and even some savanna specialists, can be found in these communities.

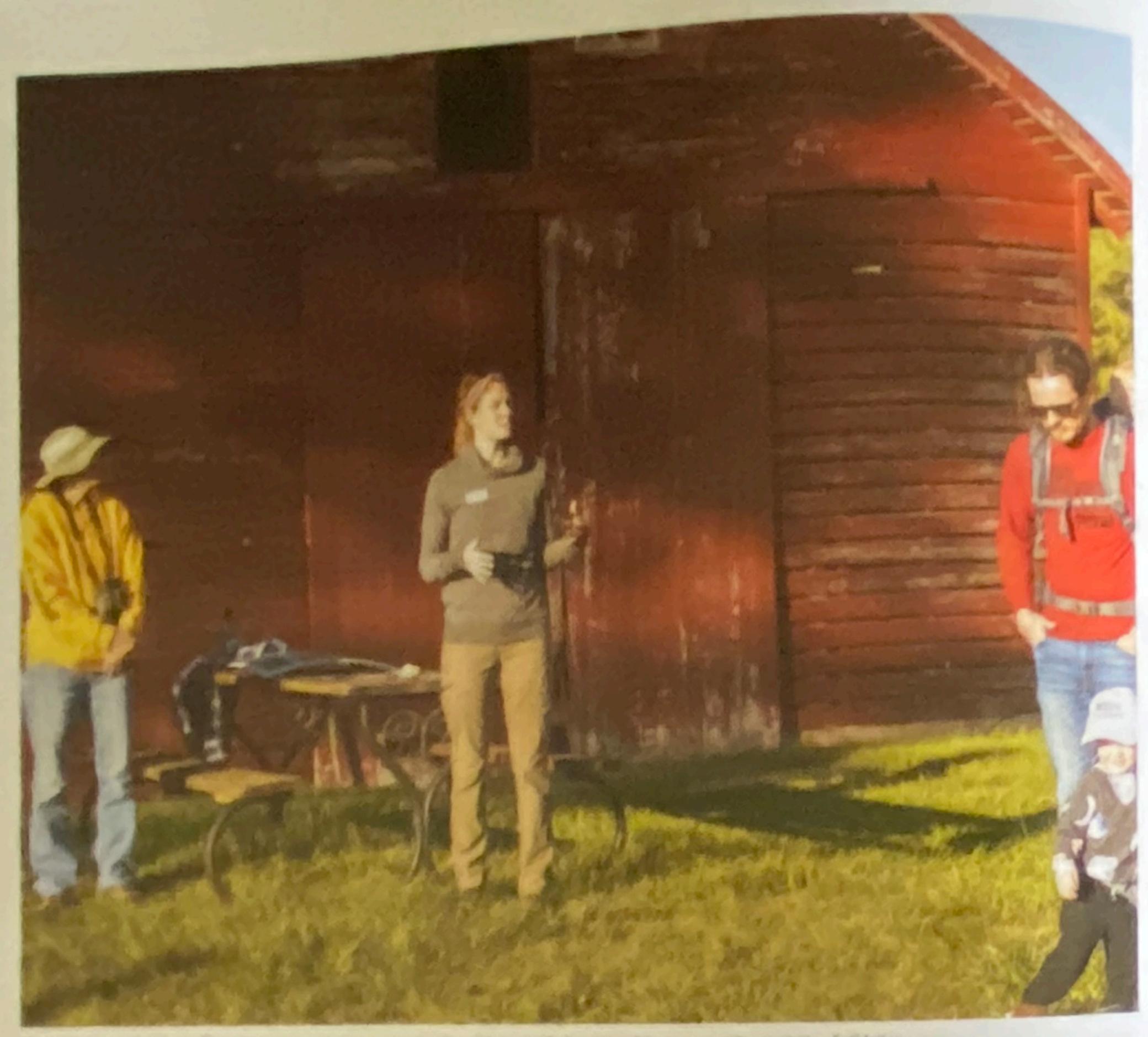
Mowed paths like green ribbons led the visitors through the prairiesavanna edge. Occasionally, the paths wound around an object-Ryan informed everyone this helped to

identify invasive species. Some of the invasives were easy to identify: greener and lusher than many of the other plants despite the lateness of the year. Many of the native plants had already browned, dry and crumbling under fingers.

The evening light and gentle rustling of the trees and grasses settled a mask of peacefulness over the place, broken by voices and footsteps, curious gazes. People just like these visitors have been instrumental in restoring Snyder Heritage Farm to a more complete, diverse state. In the thirty years since

the land's donation. INHF workers and volunteers have removed invasive and undesirable woody species from the understory through cutting and mowing, straining by hand to cull tough stems and shadow-spilling bushes. They also reintroduced a crucial renewing force to the savanna ecosystem: fire.

Savanna trees have coevolved with fire, their tough bark protecting them from quick burns that flashed through the land, fed by their own curling leaves. Fire removes smaller woody species from the savanna, keeping the



habitua open and preventing a roug usugle of shrubs from raking over. Like lower's Indigenous Peoples did for thousands of years, INHF and

little bluettern, butterfly milkweed, prairie blazing mar, enlver's mon, pale purple coneflower, and purple milkwend, among many others. The deep roots of these plants plunge into consider committed burns in savanuss the earth, enhancing the sail, and their send and nectar and segetable bodies nourish wildlife.

Eventually, Snyder Heritage Farm was has also removed exercise plants to the enriched with greenery enough that me. They collect weed from other — it could begin giving back to other control bows forcations and spread it to places INHF now conducts yearly depresed or depresed storp, wranteg — east harveen from a couple areas on penden of landscape cognition with the property, cycling, and spreading openies like Indiangram, big blumours. the plant species back into their

network of protected lands. They call for volunteers for seed harvesting and invasive species removal. Ryan has seen more and more people getting involved with time; volunteer events now attract between 30-50 workers, "People are interested in lending a hand and making a difference," he explains. We have an ingrained need to tie ourselves to our landscapes—we, too, are part of the nerwork of life.

The October visitors weren't alon They saw the scuffling hurry of





Above: An old fonce on the farm is adomed with antiers.

Lefts The lowe Natural Heritage Foundation's

pheasants. Far above them, turkey vultures circled. Somewhere amidst the trees, another bird screeched. Ryan identified it from the sound as a red-tailed hawk, a warchful presence beyond their sight. He had made many such identifications for the visitors, pointing out plant species and readily discussing their values and uses.

They walked at a laid-back pace, breathing in the crisp air, stopping and learning about what they were seeing. In Ryan's words, he wanted to "let what we're observing be the

teacher." He knows of many more wildlife species that frequent Snyder Heritage Farm: deer, turkeys, coyotes, foxes, bobcats, snakes and other reptiles. In the wetter areas, they've seen turtles, amphibians, waterfowl, and sandhill cranes.

Though the hikers stuck mostly to the savanna, Snyder Heritage Farm hosts another endangered lowa ecosystem: the prairie pothole wetland. Restoring this habitat took just as much work as in the savanna. Prairie pothole wetlands, wealthy in fertile soil, were arreactive to row-

crop agriculture, and thus the flow of water across much of the state has been fundamentally altered. INHF had to excavate sections of the land to remove the subsurface drainage tile and halt the underground flow. Just as they restored fire, they also restored water, allowing the natural hydrology of the land to resum. Now the land regularly sings with frog chirps and the warbling calls of cranes, wer and alive, echoing into the trees.

Modern agriculture is measured in seasons, with a rapid furnaround. year-by-year, of planting and harvest.

reads to be spread to future parches of earth. Fading sunlight slanted into the med-mained wood a small and

INFIF will comminue to observe and snow or which were denated by province landowners. Roan and his coworkers will continue to invite people to care for matural areas with them and to vinit and enjoy

By reconnecting ourselves with nonhuman communities, spaces, and nomes, we can enrich ourselves and

in a special little place just outside Des Mounes, the trees sleep, and the weeds of grasses and wildflowers wait

Learn more about the Smider Natural Mercusy Farm and other efforts by the Total Natural Hardway Franciscop at

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